

| Pred | | Obs | INPUT | VARS | | | | | | NEW | STATE | |
|---------------------------------|------|---------------------------------|---------------------------------|--------------------|-------------------------|-------------------------|-------------------------|-------------------------|----|----------|----------------------------|---------------------|
| $\lambda(\epsilon_{ij})$ new | p1 | $\lambda(\epsilon_{ij})$ new | $\lambda(\epsilon_{ij})$ ref | $\Delta\chi_{seq}$ | $\Delta\Delta\chi_{ho}$ | $\Delta\Delta\chi_{so}$ | $\Delta\Delta\chi_{pt}$ | $\Delta\Delta\chi_{tq}$ | CV | IDEi_new | Sequence | ho |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.017 | 0.012 | t | 115153 | MKGVVCT RIYEKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.018 | 0 | 0.002 | t | 52124 | QQQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.043 | 0.04 | t | 3639 | APLGVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.033 | -0.04 | t | 135959 | LTRAYAKD VKFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.011 | t | 108075 | PREPQVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.02 | t | 25113 | HVVDLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.021 | 0.021 | t | 48780 | PPFSPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.006 | 0.019 | 0.02 | t | 40988 | LYVVAYQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.039 | 0.04 | t | 50439 | QDAYNAA G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.053 | -0.04 | -0.051 | t | 98849 | KIPAVFKID A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.008 | 0.017 | 0.009 | t | 116171 | TQDQDPB BHFFKNIV TPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.017 | -0.022 | t | 123442 | LLKDLRKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.005 | 0.013 | 0.009 | t | 47858 | PHVVDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.019 | 0.029 | 0.03 | t | 61783 | STNKAVVS LS | Bos taurus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.05 | 0.057 | 0.048 | t | 118210 | VMLYQISE E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.011 | 0.012 | t | 130944 | LFKHS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | -0.002 | t | 23028 | GVKYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.018 | 0.029 | 0.03 | t | 51199 | QKKAIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.033 | 0.029 | t | 144783 | SHVVTML DNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 134343 | DLYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.022 | -0.01 | -0.011 | t | 38321 | LNQLAGR M | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.013 | 0.027 | 0.022 | t | 144657 | GQITVDM MYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.013 | 0.03 | 0.032 | t | 21084 | GLQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.027 | 0.04 | 0.041 | t | 98453 | SGFSGSVQ FV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.027 | 0.04 | 0.041 | t | 98453 | SGFSGSVQ FV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.053 | 0.05 | t | 107107 | EAIQP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.017 | 0.003 | 0.003 | t | 110857 | FTGEAYSY WSAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.011 | 0.009 | t | 36315 | LGSAYP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.009 | t | 122034 | WNPAD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.014 | -0.001 | 0 | t | 25013 | HVADIDKLID | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.007 | 0 | -0.001 | t | 36162 | LGIHE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.021 | -0.021 | t | 67253 | TWEVLH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.021 | -0.021 | t | 67253 | TWEVLH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.007 | 0.008 | t | 50990 | QGYRVSSYLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.018 | 0.03 | 0.03 | t | 100458 | RDVLQLYAPE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.02 | 0.033 | 0.03 | t | 111036 | TESTFTGEAYSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 117919 | IFIEME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.003 | 0.009 | 0.01 | t | 7127 | CTDSDKLF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 112253 | PGQSPKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | -0.001 | t | 122034 | WNPAD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.037 | 0.033 | t | 131878 | FLMLVGGSTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.05 | 0.05 | t | 70664 | VQVVYDYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.032 | 0.043 | 0.042 | t | 71545 | VTV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.006 | t | 127856 | TDVRYKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 112149 | GVGWIRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.011 | t | 119581 | FSCSVMHE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.003 | -0.008 | t | 144657 | GQITVDM MYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.014 | -0.001 | 0 | t | 25013 | HVADIDKLID | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.013 | -0.02 | t | 144652 | GMRGMK GLVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.053 | -0.04 | -0.041 | t | 104515 | HDCRPKKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.043 | -0.023 | -0.018 | t | 7367 | CYGDWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.043 | -0.023 | -0.018 | t | 7367 | CYGDWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.018 | -0.01 | -0.012 | t | 144610 | DFFTYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.057 | 0.05 | t | 112047 | ASTRESG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.013 | 0.009 | t | 36136 | LGGVFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | 0 | -0.009 | t | 115256 | FRELKDLKGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.03 | t | 129024 | KADQLYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0 | -0.002 | t | 148481 | YTRDLVYK | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.043 | 0.039 | t | 150850 | GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.031 | t | 107366 | FPPKPKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.035 | 0.037 | 0.038 | t | 114859 | ICGTDGVT YT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.012 | -0.013 | -0.021 | t | 62149 | SVHLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.027 | 0.04 | 0.041 | t | 98455 | SGSVQFVP IQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.029 | 0.037 | 0.039 | t | 61783 | STNKAVVS LS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.012 | 0 | 0 | t | 100318 | NAPKTFQF IN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.041 | -0.036 | -0.041 | t | 118947 | PFSAPPPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.013 | 0.01 | t | 78323 | YSFRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.043 | t | 145831 | IPLGTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.009 | t | 119592 | HTFPAVLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.014 | -0.009 | -0.013 | t | 58780 | SKAANLSII K | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.013 | 0.01 | t | 115153 | MKGVVCT RIYEKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.021 | -0.01 | -0.01 | t | 133629 | LPLRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.082 | 0.078 | 0.087 | 0.08 | t | 96215 | EEEEAEDK ED | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------|----------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.001 | 0.007 | 0.009 | t | 39782 | LTAASV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 107479 | KFNWYVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.036 | 0.041 | 0.049 | 0.05 | t | 63569 | TETVNSDI | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.05 | 0.05 | 0.048 | t | 134028 | DDTIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.003 | t | 23028 | GVKYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.02 | -0.029 | t | 115293 | IMCVKKILDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.003 | 0.01 | 0.01 | t | 65105 | TLTPENTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.02 | 0.016 | t | 134471 | PKPEQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.071 | 0.073 | 0.07 | t | 142228 | LYCYEQLNDSSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.031 | 0.03 | t | 21549 | GNYDFWYQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.021 | 0.031 | 0.03 | t | 21549 | GNYDFWYQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.059 | 0.063 | 0.06 | t | 34908 | LAPLGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.011 | 0.007 | t | 130454 | CLFPNNSYC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.009 | -0.01 | t | 19644 | GFVPSM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 20678 | GKRPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.02 | -0.025 | t | 123278 | GYLKDLPT T | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.056 | t | 141067 | PLSLEPDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.026 | 0.03 | 0.03 | t | 139248 | SFAGTVIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.073 | -0.06 | -0.061 | t | 104515 | HDCRPKKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.019 | t | 113517 | HLYADGLT D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.01 | t | 156970 | VERHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.018 | t | 78252 | PVQNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.004 | 0.01 | 0.008 | t | 6068 | CCPDKNKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.037 | -0.023 | -0.02 | t | 53109 | RAGVCY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.047 | 0.057 | 0.06 | t | 147041 | IPEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.041 | 0.049 | 0.05 | t | 70664 | VQVVYDY Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 134343 | DLYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 131365 | ATLVCLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.007 | 0.001 | t | 112119 | FYNTVLK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.015 | t | 107378 | GELP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 119461 | GVQGGMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.04 | 0.03 | t | 114757 | CLLCAYSIEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.051 | -0.043 | -0.051 | t | 117526 | HGIIKECT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.007 | 0 | t | 121117 | ADGKKIDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.038 | 0.05 | 0.05 | t | 100451 | QYTHQDEIYE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.017 | 0.003 | 0.002 | t | 96967 | TKEKPTPVK | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.051 | 0.047 | t | 116085 | EPANPSEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.012 | 0.008 | t | 117973 | LCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.015 | -0.007 | -0.01 | t | 97169 | ADPVATKPL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.037 | -0.041 | t | 115658 | VGWYRPPFSRVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.002 | t | 127196 | TEVPFRLM | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.004 | -0.011 | t | 157292 | GAIIGLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.014 | 0.003 | 0.002 | t | 64769 | TLEEFSAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.023 | 0.03 | 0.029 | t | 138040 | SLGQNVLS | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.016 | 0.023 | 0.03 | 0.029 | t | 138040 | SLGQNVLS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.028 | -0.021 | -0.02 | t | 27416 | ILYAVFK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.047 | 0.057 | 0.06 | t | 147041 | IPEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.028 | 0.037 | 0.04 | t | 115060 | GYLEQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.03 | 0.02 | t | 98740 | EALEKFDKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.003 | 0 | t | 144783 | SHVVTMLDNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.039 | -0.043 | t | 111055 | VYDFAFQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.039 | -0.043 | t | 111055 | VYDFAFQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.019 | -0.021 | t | 73889 | YFRTLEDAAH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.019 | -0.021 | t | 73889 | YFRTLEDAAH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.11 | 0.113 | 0.103 | 0.11 | 0.11 | t | 140014 | DSDVGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.028 | 0.027 | 0.017 | t | 124205 | GPLQLGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.078 | 0.066 | 0.079 | 0.081 | t | 46777 | PAEGEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.037 | 0.03 | t | 141673 | IDEYCVQQLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 22669 | GTGP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.008 | t | 126903 | QVINVREG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.02 | t | 30799 | KFNPDLAG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.04 | -0.03 | -0.031 | t | 156553 | YSTCYFIM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.01 | -0.018 | t | 116732 | GLGFYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.03 | -0.039 | t | 115197 | CVKKILDK VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.003 | t | 134783 | RKLQKSTH LLIRKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.057 | t | 120082 | LPTDSGEK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.011 | t | 131166 | YSCRHGYE LQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0.001 | t | 112283 | RDGAWFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.037 | 0.029 | t | 112414 | YLSSFTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.011 | 0.007 | t | 103297 | IWKLIKDM LILPYLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.05 | 0.061 | 0.062 | t | 30265 | KDTTSDYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.01 | -0.012 | t | 20453 | GITDVF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.038 | t | 139524 | ISSQT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.041 | -0.03 | -0.03 | t | 60039 | SPFART | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.032 | 0.019 | 0.019 | 0.018 | t | 41126 | MASLIYRQ LL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.022 | 0.041 | 0.042 | t | 60798 | SRSESSIEN F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | -0.005 | 0.013 | 0.012 | t | 97065 | VPKVTKEK PT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.058 | 0.07 | 0.071 | t | 122569 | SFQDENFV FEEF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.028 | 0.03 | 0.027 | t | 1448 | AGAPDRA RGQYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.015 | -0.003 | 0.002 | t | 39217 | LRSVYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.019 | t | 119632 | QYNSTYRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.007 | t | 94685 | SICSNNPT CWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.02 | t | 19644 | GFVPSM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.018 | 0 | 0.003 | t | 52124 | QQQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.028 | t | 48876 | PPPQAPY QGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.03 | 0.041 | 0.041 | t | 58963 | SKVPEDTL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.033 | -0.02 | -0.02 | t | 41982 | MLKSLDNL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.013 | -0.022 | t | 40340 | LVFKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.011 | t | 115661 | VVHLYRN GKDQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.027 | -0.007 | -0.007 | t | 110932 | LNLKIDGL KISV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.029 | t | 107702 | YVDGVQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 14702 | EVGKVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.006 | 0.001 | 0 | t | 71545 | VTV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.008 | t | 107421 | GPSVFLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.071 | -0.06 | -0.062 | t | 102784 | RWWS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.019 | t | 119593 | HYTQKSLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.013 | 0.001 | 0 | t | 34082 | KVKVEYQK TMGSM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.007 | 0.007 | 0.01 | t | 33936 | KTYSQYKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.033 | 0.03 | t | 110964 | PNLKLNN GTDYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.02 | -0.007 | -0.01 | t | 110839 | ETTSQMIV KDIK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 48620 | PNDPPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 48620 | PNDPPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 101053 | MASPGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.036 | 0.039 | 0.038 | t | 3698 | APPQA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.039 | -0.027 | -0.03 | t | 77929 | KFHRVIKDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.022 | t | 137425 | KFP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 107784 | DGSFFLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.029 | t | 119576 | EYKCKVSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.013 | 0.031 | 0.032 | t | 96940 | TAPTKPTYET | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.045 | -0.027 | -0.028 | t | 53548 | REKMITEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.009 | t | 119619 | NNYKTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.084 | 0.08 | 0.087 | 0.078 | t | 129058 | KEESEEDMGFGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.026 | -0.012 | -0.01 | t | 45679 | NRGFDART | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.017 | -0.01 | -0.013 | t | 75222 | YNSSRSYWT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.036 | t | 141067 | PLSLEPDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.011 | t | 131580 | PDRFSGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.003 | 0.009 | 0.01 | t | 73973 | YFYVGLDY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.009 | 0.01 | t | 73973 | YFYVGLDY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.14 | 0.14 | 0.125 | 0.14 | 0.143 | t | 144880 | EE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.067 | 0.064 | 0.07 | 0.068 | t | 50396 | QAYQQGV TVD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.035 | 0.037 | 0.038 | t | 115901 | PQSVLSLS QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | 0.003 | 0 | t | 159063 | RKAADTFN FKTFFHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.09 | -0.069 | -0.068 | t | 96386 | IFDVTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.014 | 0.02 | 0.018 | t | 9591 | DPAKAAF D | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 63832 | TGGAGYFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.075 | 0.083 | 0.08 | t | 65604 | TPIDTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.013 | -0.023 | t | 158587 | EFGTFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.033 | 0.043 | 0.051 | t | 110768 | ANPENYFT | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.033 | 0.043 | 0.051 | t | 110768 | ANPENYFT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.013 | 0.01 | t | 97167 | AANYTTAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | -0.001 | t | 157178 | EASNCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.03 | t | 133552 | ECAYCLTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.021 | 0.017 | t | 130457 | CRQPGNNYC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.009 | 0.008 | t | 43330 | NAVFHFDQNG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.06 | -0.051 | -0.052 | t | 12992 | ELDLQARR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.01 | -0.012 | t | 127196 | TEVPFRLM | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.037 | 0.029 | t | 112058 | AYWGQGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.011 | 0.007 | 0.012 | t | 10164 | DSLKEKLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.046 | 0.029 | 0.04 | 0.04 | t | 92873 | GVDTIYGN DG | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.013 | -0.023 | t | 120612 | IFNLFSTKDSSAAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.011 | 0.001 | 0 | t | 9982 | DRHFLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.033 | 0.03 | t | 3685 | APPLPP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.011 | 0.023 | 0.02 | t | 8143 | DEREECKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.018 | -0.01 | -0.011 | t | 144610 | DFFTYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.009 | -0.013 | 0 | 0.002 | t | 64561 | TKFLGKNK | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.03 | -0.041 | t | 98885 | LPMHIRLS FN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.001 | 0.007 | 0.008 | t | 10794 | DVYSFSLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.002 | 0.02 | 0.022 | t | 66303 | TSLLSNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 122564 | RTAGFDIK LIDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.006 | 0.001 | -0.002 | t | 17998 | FTKWTWE TKGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.049 | -0.04 | -0.041 | t | 118764 | CYGSFARP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.029 | 0.039 | 0.04 | t | 96854 | SAPSISTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.025 | -0.02 | -0.022 | t | 126828 | PKYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.003 | 0.01 | 0.01 | t | 1445 | AGAKSAIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0.001 | t | 112314 | SGVPDRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | -0.003 | t | 116039 | YPSYGLNY YQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | -0.003 | t | 116039 | YPSYGLNY YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.019 | t | 138057 | TPGTEYTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.01 | 0.013 | 0.021 | 0.019 | t | 138057 | TPGTEYTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.02 | t | 49295 | PSAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.02 | t | 49295 | PSAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0 | t | 112814 | PEQPPIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.045 | 0.05 | 0.048 | t | 49408 | PSISEGPSY EFS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.04 | t | 95692 | PTTSDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.004 | -0.01 | t | 96762 | PVKPTAPT KP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.008 | t | 115900 | PQRDMPI QAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.034 | 0.03 | 0.025 | t | 122917 | TKVYSTDIF FILEITDNP Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.033 | t | 134707 | KLPFSRLA REICVKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | t | 114757 | CLLCAYSIE F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | 0.003 | 0 | t | 159063 | RKAADTFN FKTFFHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.007 | 0.007 | 0.01 | t | 45052 | NNAYNMS I | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.017 | t | 48778 | PPFSLSPV PTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.019 | -0.023 | t | 75686 | YRYDSRPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.019 | -0.023 | t | 75686 | YRYDSRPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | t | 137759 | NQEDAEAI THLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | t | 137759 | NQEDAEAI THLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 45629 | NQSTVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.003 | -0.01 | t | 112151 | GWIRQRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.01 | -0.012 | t | 67524 | VAALNRRI QLLEEDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.033 | -0.021 | -0.02 | t | 41982 | MLKSLDNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.014 | -0.009 | -0.012 | t | 30294 | KEAIVTK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.016 | 0.027 | 0.03 | t | 147041 | IPEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.02 | -0.021 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.02 | -0.021 | t | 73889 | YFRTLEDA AH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.01 | t | 144589 | ALKHLPND PM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.084 | 0.073 | 0.087 | 0.083 | t | 140020 | ENTNIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.035 | 0.047 | 0.041 | t | 122282 | AYLVGLFE DTNLCAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.02 | 0.019 | t | 126982 | RREFEFYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.057 | -0.043 | -0.051 | t | 115633 | PPFSRVVH LYRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.029 | 0.047 | 0.042 | t | 133921 | QLELTEG MRFDKGYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.059 | 0.05 | 0.06 | 0.06 | t | 21504 | GNQSLLET | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.009 | t | 130919 | KFPEDFES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.032 | 0.019 | 0.019 | 0.018 | t | 41126 | MASLIYRQ LL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.044 | 0.05 | 0.049 | t | 105979 | NIEADVNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.007 | t | 135566 | KCSRLYTA CVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.028 | t | 132766 | YRAYATEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.009 | t | 113800 | QYTPTTQP YPRVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.055 | 0.057 | 0.048 | t | 122607 | TEAFLAEM EK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.004 | 0.01 | 0.007 | t | 43548 | NDYEDRYY RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.03 | t | 6205 | CETEFSKLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.03 | t | 6205 | CETEFSKLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.021 | 0.029 | 0.03 | t | 70665 | VQVVYDY QHK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 119639 | SCSVMHE A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.02 | -0.02 | t | 49975 | PVSSLTML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.039 | 0.036 | t | 62289 | SVPSSSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.007 | 0.01 | t | 147225 | QLQPFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.011 | t | 115661 | VVHLYRN GKDQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.03 | t | 58275 | SGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.017 | 0.024 | 0.028 | t | 70439 | VPPVIKQV SA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.007 | 0.008 | t | 50666 | QEPIVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.032 | 0.03 | t | 110964 | PNLKLNN GTDYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.02 | 0.017 | t | 134471 | PKPEQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.019 | 0.017 | t | 157702 | NKFAVETL | Chlorocebus aethiops |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.013 | -0.01 | t | 54340 | RKEVMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.005 | 0.018 | 0.021 | t | 98780 | FPQPQLPY SQPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.02 | -0.021 | -0.025 | t | 131294 | DWGLPIPS PSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.011 | 0.017 | 0.018 | t | 114823 | FNPVCGT DGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.014 | -0.021 | t | 107218 | PAGGPGFP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.012 | t | 107296 | APIEKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.023 | 0.022 | t | 70038 | VMYASSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 120839 | NLTEFQHA FS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.014 | 0.03 | 0.031 | t | 120867 | PFDQDLSK KH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.024 | 0.02 | t | 135900 | ATCRFYTL DSIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.035 | 0.037 | 0.037 | t | 115827 | KKNQDKT EIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.035 | 0.037 | 0.037 | t | 115827 | KKNQDKT EIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.008 | 0.02 | 0.02 | t | 61945 | STTNKDK | Cavia porcellus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.02 | t | 61945 | STTNKDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.01 | -0.019 | t | 115197 | CVKKILDK VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.07 | 0.069 | 0.07 | t | 61741 | STLPETTV V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0 | 0.011 | 0.01 | t | 155473 | PSTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.013 | -0.011 | t | 109349 | IPVDLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.011 | -0.002 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.028 | 0.034 | 0.04 | 0.038 | t | 63252 | TDVFSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.032 | -0.029 | -0.032 | t | 29755 | KAANLSIIK | MD |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.032 | -0.029 | -0.032 | t | 29755 | KAANLSIIK | MD |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.066 | t | 141004 | EPDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.039 | 0.04 | 0.038 | t | 122113 | IIASTEKLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.048 | -0.041 | -0.04 | t | 27416 | ILYAVFK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.048 | -0.041 | -0.04 | t | 27416 | ILYAVFK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.023 | 0.019 | t | 107166 | GPPGPQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.035 | 0.041 | 0.039 | t | 14173 | ESIQQC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.007 | t | 134702 | KEKKYS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.14 | 0.138 | 0.125 | 0.139 | 0.143 | t | 144880 | EE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.02 | -0.022 | t | 56075 | RTHRQLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.014 | -0.001 | 0 | t | 10580 | DVENSMLQAN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.037 | t | 122913 | TGEPVELK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.031 | 0.039 | 0.04 | t | 65098 | TLTKTSLE | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 107479 | KFNWYVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.003 | 0.02 | 0.023 | t | 110951 | NDGYFWE DGTNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.02 | -0.017 | -0.023 | t | 48839 | PPNKPNN DFHFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 107368 | FSSAP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | 0 | -0.01 | t | 106429 | FVLPWRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.026 | 0.033 | 0.028 | t | 48308 | PLENRVLT | MD |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.026 | 0.033 | 0.028 | t | 48308 | PLENRVLT | MD |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.025 | t | 122932 | VCTPKSDE FNPCE DIM GYK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.003 | 0.01 | 0.011 | t | 65105 | TLTPENTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.029 | 0.029 | t | 138040 | SLGQNVLS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.027 | 0.03 | t | 53270 | RCFDST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.007 | -0.001 | t | 119648 | SWNSGALT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.051 | -0.043 | -0.05 | t | 117526 | HGIIKECT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.065 | 0.051 | 0.061 | 0.06 | t | 3572 | APGITTAIEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.013 | -0.022 | t | 120464 | EDSILAVRKYFQRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.01 | -0.001 | 0 | t | 8599 | DIDFDSVPQI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.03 | 0.03 | t | 12459 | EIIEQLDVT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.027 | 0.03 | t | 53984 | RGSQGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.001 | t | 139840 | PAAFAFL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.018 | 0.031 | 0.03 | t | 30140 | KDEPNGRASDT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.019 | 0.03 | 0.03 | t | 25013 | HVADIDKLID | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.018 | t | 79524 | CHTTATIPS SAVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.018 | t | 79524 | CHTTATIPS SAVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.007 | 0 | t | 119671 | WLNGKEY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.022 | t | 79215 | FNPVYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.02 | 0.019 | t | 104014 | KPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.007 | -0.01 | t | 24722 | HSAPLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | -0.01 | t | 24722 | HSAPLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.009 | 0.02 | 0.02 | t | 92864 | GSKFNDAF NG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.014 | -0.001 | 0 | t | 133543 | DKAFAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0 | 0.017 | 0.022 | t | 17261 | FPAYGGM QQILA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.025 | 0.04 | 0.042 | t | 38606 | LPNVGITQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.025 | 0.04 | 0.042 | t | 38606 | LPNVGITQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | -0.002 | t | 94484 | DDYRQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.007 | 0.008 | t | 6314 | CGLRAPQ RCDLDVES | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|----------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.003 | -0.01 | t | 112038 | ARMRDGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.033 | 0.032 | t | 131878 | FLMLVGG STL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 45630 | NQSTVKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.013 | t | 130454 | CLFPNN SYC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.027 | -0.017 | -0.01 | t | 67605 | VAGLEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 35341 | LDYSPAFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.013 | 0.02 | 0.02 | t | 35341 | LDYSPAFS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 120942 | SGVATKGL NE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | -0.001 | -0.002 | t | 7768 | DDEIYGND GHP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.014 | -0.016 | t | 23174 | GVTRPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.017 | 0.009 | t | 125027 | EHIEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | t | 114885 | LCAYSIEFG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | -0.001 | t | 38662 | LPQVVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.022 | 0.02 | 0.016 | t | 146067 | VPSTSLSG Y | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.017 | 0.01 | t | 123259 | GQPPYMP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | t | 114752 | AYSIEFGT NI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.007 | 0 | 0 | t | 36162 | LGIHE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.026 | 0.043 | 0.042 | t | 25277 | IAGAGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.027 | t | 9588 | DPAFSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.04 | -0.03 | -0.03 | t | 156553 | YSTCYFIM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.03 | 0.041 | 0.04 | t | 19202 | GEAGPGV A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 131365 | ATLVCLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.043 | 0.039 | t | 114207 | FLGELTSSE VATEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | t | 108595 | PVSSTRGN M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.024 | -0.03 | t | 109310 | IAGAPGFP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.034 | -0.03 | -0.033 | t | 47859 | PHWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.006 | 0.013 | 0.02 | 0.019 | t | 138057 | TPGTEYTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.019 | t | 138057 | TPGTEYTV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0 | 0.013 | 0.01 | t | 4849 | ASYKVMTRSSHQSLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0.006 | 0 | t | 112841 | SSKRGRQTPVLYAMLDH | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.027 | -0.01 | -0.007 | t | 110954 | NNKYTVTLKATP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.068 | t | 159283 | EGP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | -0.003 | 0 | t | 146918 | FFQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.1 | 0.098 | 0.1 | 0.1 | t | 117195 | DT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.007 | -0.01 | t | 6906 | CRAAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.04 | -0.049 | t | 115209 | DKVGINYWLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.057 | 0.065 | 0.06 | t | 10692 | DVPDYASL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.007 | 0.002 | t | 108944 | FFLYSKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.049 | 0.06 | 0.052 | t | 106428 | FVEIYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0 | t | 112769 | EPLYGPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.027 | 0.019 | t | 119561 | DWLNGKEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.027 | 0.019 | t | 119561 | DWLNGKEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.035 | -0.02 | -0.018 | t | 34895 | LAPDNISL | Macaca mulatta |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.029 | -0.035 | -0.02 | -0.018 | t | 34895 | LAPDNISL | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.029 | -0.035 | -0.02 | -0.018 | t | 34895 | LAPDNISL | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.04 | 0.047 | 0.039 | t | 119660 | VEWESNGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | t | 26046 | IFDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 122579 | SLIFVTISSEWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.087 | 0.08 | t | 133692 | SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.019 | t | 76633 | YYV NKQEGKSLYVKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.028 | -0.011 | -0.009 | t | 98697 | AMCNVYI PPYCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.017 | t | 48778 | PPFSLSPV PTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.021 | -0.01 | -0.009 | t | 133629 | LPLRF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.04 | 0.051 | 0.05 | t | 19202 | GEAGPGV A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.019 | 0.03 | 0.029 | t | 113504 | GYIPANTTI PF GGAYNI PLV | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.028 | t | 107378 | GELP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.013 | -0.022 | t | 127927 | AKPAPPKP EPKPKKA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | t | 71091 | VSQKNGGY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.016 | 0.03 | 0.032 | t | 45625 | NQSFEEDTEK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.036 | 0.04 | 0.038 | t | 94484 | DDYRQK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.011 | t | 107700 | YRVVSVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.007 | -0.011 | t | 10529 | DTYRYI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.01 | 0.001 | t | 115256 | FRELKDLKGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.003 | 0 | t | 3382 | ANPPDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.015 | 0.027 | 0.03 | t | 13084 | ELGVRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.029 | -0.031 | t | 119275 | MPMMGPPPPGMMPVGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.017 | 0.01 | t | 123259 | GQPPYMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.005 | 0.018 | 0.021 | t | 98783 | FQQPLQQYPLGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.028 | -0.019 | -0.02 | t | 1373 | AFPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.027 | -0.031 | t | 48828 | PPLPPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.01 | 0.021 | 0.02 | t | 136749 | WMLRAAEYSMNLGF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | 0.003 | 0.001 | t | 1477 | AGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.008 | -0.003 | -0.012 | t | 3985 | AQKKIAEKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.016 | 0.003 | 0.002 | t | 27379 | ILTGGKSKQTEGLLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.011 | 0.009 | t | 36136 | LGGVFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.079 | -0.057 | -0.058 | t | 96062 | ADTIQKGFYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.013 | 0.001 | 0 | t | 48676 | PNM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.003 | t | 119272 | MGPPIGLPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.02 | 0.02 | t | 14398 | ETHPLYQS | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 153865 | PETTDLYCY | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.02 | 0.03 | 0.03 | t | 132754 | YER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.002 | t | 134783 | RKLQKSTHLLIRKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.03 | t | 97539 | NYTTAVDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 139524 | ISSQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.039 | 0.04 | t | 66143 | TSAEDK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.047 | 0.042 | t | 109983 | TLPPSRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.024 | t | 48819 | PPLGNWFG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.028 | 0.04 | 0.04 | t | 25831 | IEHYADTYEEVL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.011 | 0.023 | 0.022 | t | 70038 | VMYASSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0.01 | -0.003 | t | 69265 | VKLSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.032 | t | 126922 | REWIKFAAACRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.051 | 0.06 | 0.06 | t | 81983 | FDTTTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.051 | 0.06 | 0.06 | t | 81983 | FDTTTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.011 | -0.007 | -0.013 | t | 48844 | PPNRQDPRFTDTLVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.032 | -0.017 | -0.02 | t | 107219 | PAGGPFGPG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.027 | 0.018 | t | 131955 | LPHGNALVRYSSKEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.035 | -0.02 | -0.02 | t | 98575 | VGKPGSDVYY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.012 | 0 | 0 | t | 100385 | PKTFQFINDQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 22460 | GSQGFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.005 | 0.009 | 0.012 | t | 49119 | PQRPQQPFPQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.003 | 0.02 | 0.022 | t | 15984 | FGGHNSV DFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.001 | 0.01 | 0.01 | t | 113346 | DTSTTPVP SV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.009 | 0.009 | t | 10588 | DVFGANY YYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.016 | -0.021 | t | 118548 | PAPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.046 | 0.04 | t | 142150 | EYMLDLQ PETTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.029 | 0.031 | 0.029 | t | 78972 | FGGDTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.027 | 0.027 | t | 61155 | SSLFQLWK SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.002 | t | 119633 | QYTGHIT WTPPAIFK S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0.001 | t | 35852 | LFIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.03 | -0.023 | -0.031 | t | 144311 | GNLTAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.019 | -0.02 | t | 33888 | KTTLLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.017 | 0.009 | t | 119676 | WQQGNV FS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.004 | -0.011 | t | 157292 | GAIIGLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.008 | 0 | -0.005 | t | 125211 | QHWSYGL RPG | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.02 | 0.018 | t | 52249 | QRQYGDV FKGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.031 | 0.029 | t | 11862 | EERPPETT | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.017 | -0.02 | t | 123442 | LLKDLRKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.021 | 0.019 | t | 45033 | NMTVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.017 | 0.027 | 0.03 | t | 147218 | QGSFQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | 0.001 | 0 | t | 142381 | AAEFATEV KKAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.01 | 0.001 | t | 115317 | KKILDKVG IN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.037 | 0.03 | t | 104756 | DTTFEYQD LC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.02 | 0.001 | 0.002 | t | 43582 | NEDQRVGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.051 | -0.047 | -0.051 | t | 99204 | EISKFL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.003 | 0.009 | 0.011 | t | 65105 | TLTPENTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.018 | 0.03 | 0.03 | t | 12550 | EIPQPQW T | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.003 | -0.01 | t | 144823 | YWEGSGI GAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.018 | 0.03 | 0.03 | t | 100477 | RNKTQEE HLK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.004 | 0.011 | 0.011 | t | 58683 | SIQTKFAP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.023 | t | 75686 | YRYDSRPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.021 | -0.02 | -0.023 | t | 75686 | YRYDSRPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.021 | -0.02 | -0.023 | t | 75686 | YRYDSRPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.02 | -0.023 | t | 75686 | YRYDSRPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 68763 | VGPQSVG PL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.02 | -0.01 | -0.009 | t | 111038 | TGALSKIY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.006 | 0.01 | 0.012 | t | 46087 | NTFINNAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | -0.017 | 0 | 0.003 | t | 110857 | FTGEAYSY WSAK | Macaca |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.004 | 0.01 | 0.007 | t | 43549 | NDYEDRY REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.03 | 0.03 | t | 137402 | FIDSYICQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 120694 | KLLLDYTG KI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.039 | 0.04 | 0.038 | t | 122113 | IIASTEKLP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 133371 | SPSPTPTP GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.022 | t | 128494 | EDKINALIK AAGVNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | -0.004 | t | 146066 | VPKVSGLQ Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | 0.001 | -0.004 | t | 85032 | LCVYGKLQ KN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.016 | 0.033 | 0.032 | t | 60527 | SQPQQPF PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.043 | 0.04 | t | 67990 | VDIVLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.013 | 0.01 | t | 59112 | SLFTPGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.008 | t | 74008 | YGGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.01 | 0.008 | t | 74008 | YGGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.008 | 0.01 | 0.008 | t | 74008 | YGGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.037 | -0.027 | -0.03 | t | 60780 | SRRFAPAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 134769 | QIFNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.014 | 0.023 | 0.019 | t | 53240 | RAVVAPD KEVLYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.02 | -0.029 | t | 115239 | EVFRELKD LK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 50104 | PYIEQGM QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0 | 0.017 | 0.022 | t | 75541 | YQQYPQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.023 | -0.023 | t | 116037 | YIPIQYVLS R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.032 | -0.023 | -0.02 | t | 130621 | TFYTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.032 | -0.023 | -0.02 | t | 130621 | TFYTK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.04 | 0.038 | t | 130741 | ATGFVKKD Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.031 | 0.029 | t | 20722 | GKVTNGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.021 | 0.031 | 0.029 | t | 20722 | GKVTNGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.015 | -0.003 | 0 | t | 27693 | INNEWC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.011 | 0.007 | 0.02 | 0.021 | t | 34576 | KYQAWNA G | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 2179 | AKEVLKGY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.069 | -0.053 | -0.05 | t | 47240 | PEAVLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.04 | -0.03 | -0.03 | t | 156553 | YSTCYFIM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.007 | -0.01 | t | 110971 | PVSDLNLKI DGL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.042 | -0.033 | -0.03 | t | 130620 | TFYLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.012 | t | 108966 | FLYSKLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.003 | t | 3242 | ANDPPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.004 | 0.009 | 0.01 | t | 37001 | LKQPGDG N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.041 | 0.039 | t | 36955 | LKLYFEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.001 | 0.01 | 0.01 | t | 113734 | PVAPSDPS IV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.019 | t | 65653 | TPLQCTM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.01 | t | 122943 | WDPAQPP RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.019 | 0.029 | 0.03 | t | 120406 | APDMFEY MNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.002 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 117208 | GLSLSRFS WGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.03 | -0.04 | t | 98885 | LPMHIRLS FN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.031 | t | 119661 | VFSCSV MH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.033 | 0.043 | 0.051 | t | 110767 | AKEEISFVA TFS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.006 | 0.011 | 0.019 | 0.02 | t | 54982 | RNEYPINK | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0 | 0.01 | 0.01 | t | 121081 | YIPFDQDL SK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.011 | t | 133549 | DVNGKLFL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.009 | t | 117333 | MVTSTITE KLLKNLVKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.014 | 0.001 | 0.002 | t | 64769 | TLEEFSAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.005 | 0.01 | 0.008 | t | 65027 | TLQNQGA WP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.033 | 0.031 | t | 144783 | SHVVTML DNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.021 | 0.02 | t | 58883 | SKLLTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.037 | t | 140593 | PYQFFTAS E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 135893 | AFLQDVM NILLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.017 | 0.009 | t | 119675 | WNSGALT S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.011 | t | 112898 | AAVKQSY AAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.02 | 0.03 | 0.03 | t | 120919 | RLNEAVKY TG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.01 | t | 134058 | GDKVSFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.01 | t | 134058 | GDKVSFF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.001 | t | 55115 | RPAPPKPT PQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.01 | -0.01 | t | 41461 | MEVTPSG TWLTYHG AIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0 | 0.01 | 0.009 | t | 127847 | SYNSTADE WLPV | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.013 | 0.001 | 0.001 | t | 45589 | NQMHML SNKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 25217 | IAADQLPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.013 | -0.02 | t | 144600 | CQREFALK HL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.003 | 0.007 | 0.009 | t | 65983 | TQYTDAPS FS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.003 | 0.023 | 0.023 | t | 110926 | KSEKDSTN NNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.008 | -0.01 | t | 110932 | LNLKIDGL KISV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 119621 | NVFSCSV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.035 | 0.027 | 0.019 | t | 103843 | DF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50104 | PYIEQGM QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.018 | t | 35611 | LEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.029 | 0.028 | t | 21475 | GNMVETE DTKEPGVL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.007 | 0.009 | t | 49450 | PSNQDSF QWQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 117344 | PPGMRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0 | t | 69942 | VMENFVA F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.037 | 0.03 | t | 141604 | APPDDGP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.052 | 0.06 | 0.05 | t | 105993 | PAEGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.084 | 0.073 | 0.083 | 0.08 | t | 61994 | STVSEEAS AEDVVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.033 | 0.039 | 0.038 | t | 104235 | SDIDFLIEEI ERLGQDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.046 | -0.05 | -0.055 | t | 123280 | GYWKIRGL Q | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.018 | t | 106690 | NSDHFLQP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.027 | 0.021 | t | 112130 | GKGLEWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.007 | -0.003 | t | 122525 | PRFLRLLDL AQEGLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.003 | -0.01 | t | 144823 | YWEGSGI GAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.02 | -0.006 | -0.01 | t | 30041 | KCAFATTP VCQF | Myodes glareolu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.011 | 0.001 | 0 | t | 9983 | DRHFLNN VC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | t | 136749 | WMLRAAE EYSMNLG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | t | 136749 | WMLRAAE EYSMNLG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.028 | t | 19375 | GENK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.031 | 0.037 | 0.038 | t | 114814 | ESNGTLTL SH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.025 | 0.03 | 0.03 | t | 65 | AAAVLNLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.11 | 0.11 | 0.11 | 0.11 | 0.107 | t | 143682 | EEIEKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.042 | 0.047 | 0.039 | t | 119646 | SNGQPEN N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.005 | 0.009 | 0.012 | t | 49118 | PQRPFAQ QPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.02 | -0.03 | t | 107087 | ARGLTGRP GDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0.002 | t | 107396 | GKEYKCK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.031 | -0.01 | -0.008 | t | 65909 | TQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.054 | -0.056 | -0.06 | -0.065 | t | 123281 | GYWKLRG LA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.007 | 0.008 | t | 47969 | PIQPQQPF PQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.034 | 0.051 | 0.052 | t | 67562 | VAEEHVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.025 | 0.037 | 0.03 | t | 117543 | KFKGKATLTSDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.037 | 0.03 | t | 117543 | KFKGKATLTSDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.021 | 0.01 | t | 104115 | MILSLQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.014 | 0.01 | t | 135900 | ATCRFYTLDSIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.063 | -0.049 | -0.051 | t | 55639 | RRLGAALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.018 | t | 1022 | AEKQKAAEATKVAE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 119671 | WLNGKEYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | 0.003 | -0.003 | t | 69946 | VMFDFASG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.024 | t | 48819 | PPLGNWFG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.043 | 0.057 | 0.052 | t | 110029 | VEWGSND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.008 | 0.02 | 0.021 | t | 61945 | STTNKDK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.008 | 0.02 | 0.021 | t | 61945 | STTNKDK | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.021 | t | 61945 | STTNKDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.068 | 0.073 | 0.071 | t | 99274 | GGFSEV | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.047 | t | 67323 | TYDNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.031 | 0.03 | t | 25538 | IDANDCLVTPSVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.05 | 0.059 | 0.06 | t | 44163 | NHPQNTSD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.016 | 0.027 | 0.03 | t | 47316 | PEKAFRELAND | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.029 | 0.02 | t | 107814 | EGLHNNHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.011 | 0.01 | t | 36315 | LGSAYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.033 | -0.043 | t | 137456 | TAIASRSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0 | 0.01 | 0.01 | t | 121079 | YFTDIDLVEH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | -0.001 | t | 109841 | RPGEAGLP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.009 | t | 48279 | PLATQPPV LAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0 | 0.01 | 0.012 | t | 95111 | KTVDH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.04 | t | 119573 | EWEDTYGIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.012 | t | 69828 | VLVLFGFF TLSPWY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.02 | -0.021 | t | 48926 | PPSSPPQW | Anas platyrhynchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 76268 | YVFDKSEL TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.02 | 0.02 | t | 76268 | YVFDKSEL TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.024 | -0.01 | -0.01 | t | 47751 | PGSQHI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.074 | 0.07 | 0.077 | 0.07 | t | 125610 | YYVFEEQ EDEIIGFG QELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.049 | -0.04 | -0.04 | t | 118764 | CYGSFARP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.049 | -0.04 | -0.04 | t | 118764 | CYGSFARP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | -0.002 | t | 113321 | DENPVVH FFKNIVTP RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.021 | 0.029 | 0.03 | t | 70665 | VQVVYDY QHK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.045 | -0.037 | -0.042 | t | 134183 | PLIFRNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.009 | 0.01 | t | 34132 | KVNDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.029 | 0.028 | t | 10336 | DTFNPVYP YDTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0 | 0.017 | 0.021 | 0.018 | t | 111523 | LTADVK | Cricetina e |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.027 | t | 134696 | ITLYLTEK | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.003 | -0.009 | t | 115256 | FRELKDLK GY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.011 | 0.02 | 0.02 | t | 41449 | METMKL MMEKVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.02 | t | 41449 | METMKL MMEKVD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.016 | 0.03 | 0.032 | t | 47316 | PEKAFREL AD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.004 | 0 | 0.007 | 0.01 | t | 33770 | KTLTKTSL | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.042 | 0.047 | 0.04 | t | 119670 | WESNGQP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.019 | 0 | 0.002 | t | 4032 | AQPKSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.058 | 0.06 | 0.059 | t | 137209 | ITANVTDE SYLY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.015 | 0.03 | 0.032 | t | 43506 | NDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | 0 | 0 | t | 16569 | FLEGAAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.013 | 0.012 | t | 115153 | MKGVVCT RIYEKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.001 | 0.004 | -0.003 | t | 30041 | KCAFATTP VCQF | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.037 | 0.047 | 0.04 | t | 107800 | DSRGNPT VE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.005 | 0.007 | 0.01 | t | 52023 | QQFHQQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.014 | 0.03 | 0.032 | t | 120867 | PFDQDLSK KH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 131249 | LVVGLC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.019 | 0.019 | t | 56788 | SAFVFPTK D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.01 | -0.01 | t | 98321 | PAYYTKNT NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.009 | 0.01 | 0.009 | t | 105828 | GKDLESIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.057 | 0.049 | t | 119574 | EWESNGQ P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.002 | t | 117689 | VSMNTHL KAVKMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.037 | -0.04 | t | 135959 | LTRAYAKD VKFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.032 | t | 129249 | LKARVDEL ERIRRSIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.017 | 0.009 | t | 119676 | WQQGNV FS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.01 | t | 120532 | FKDSINNL VK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.04 | 0.047 | 0.05 | t | 13894 | EQNVDP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.011 | t | 119602 | KGQPREP Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.021 | 0.02 | t | 62329 | SVSLVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.037 | t | 143362 | ETPLMKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.005 | 0.007 | 0.01 | t | 7698 | DCCQQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50104 | PYIEQGM QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.01 | -0.02 | t | 98858 | LACQCLVR TP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.031 | 0.03 | t | 22044 | GRGGIYRF VTPGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.011 | -0.012 | t | 78711 | KQYDPDR P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 115376 | LTKCEVFR EL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | 0.001 | 0 | t | 39626 | LSREM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.02 | 0.003 | 0.003 | t | 141689 | KMDKKYS AHKMKCT EV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.02 | 0.003 | 0.003 | t | 141689 | KMDKKYS AHKMKCT EV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.042 | 0.047 | 0.039 | t | 96828 | RLKEEEED KK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.01 | t | 48827 | PPLPHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.023 | 0.02 | t | 15246 | FAPALPV W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.014 | 0.009 | t | 130448 | AYAKDVKF GADA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.01 | t | 112672 | TAEFQMT FHLFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.013 | 0.009 | t | 135899 | ASLYHVYE VNLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.009 | 0.02 | 0.02 | t | 99226 | ERQLKSA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | 0 | -0.01 | t | 98973 | QSLACQCL VR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.002 | t | 117512 | GRGRGRG RGGPRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.01 | 0 | t | 114885 | LCAYSIEFG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.014 | 0.02 | 0.02 | t | 41644 | MGVIGFSF FVKDWS | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.042 | -0.03 | -0.03 | t | 23641 | HDRHFLN NV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.02 | t | 45303 | NPASTTNK DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.05 | 0.04 | t | 114965 | TSEDGKV MVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.037 | 0.05 | 0.05 | t | 142218 | LDLPETT DLYC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.008 | t | 126069 | FVFEEFAR QNLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.02 | 0.019 | t | 95146 | SESPNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.023 | 0.018 | t | 19906 | GGLEPINF QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.007 | 0.01 | t | 108900 | EIPVDLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | -0.001 | t | 94553 | IFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.012 | -0.01 | -0.011 | t | 55263 | RPPAPCL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.03 | -0.023 | -0.031 | t | 131293 | AGRAREYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.001 | 0.007 | 0.008 | t | 114790 | EGKDVLVC NK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | 0.001 | -0.001 | t | 20724 | GKVVLP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.001 | -0.001 | t | 20724 | GKVVLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.001 | -0.001 | t | 20724 | GKVVLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.024 | t | 141726 | PTAPPLLP HS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.027 | 0.021 | t | 3516 | APDTRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.011 | 0.02 | 0.02 | t | 41449 | METMKL MMEKVD | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.027 | 0.037 | 0.03 | t | 120167 | RFQSSAV MALQEAC EAYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.003 | 0.017 | 0.012 | t | 156970 | VERHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.02 | t | 78252 | PVQNLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.048 | t | 98725 | DDEALEKFDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.047 | 0.049 | 0.05 | t | 50512 | QDPV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.023 | 0.02 | t | 107166 | GPPGPQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.003 | -0.01 | t | 123787 | TPATKKAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.039 | -0.033 | -0.042 | t | 40340 | LVFKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.011 | 0.019 | 0.02 | t | 39465 | LSKSFLEAGGVSK | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.007 | 0 | t | 119669 | VSWNSGAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.004 | 0.01 | 0.01 | t | 6068 | CCPDKNKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 119673 | WNPDDYGVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0 | t | 112813 | PEFAPWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.023 | -0.023 | t | 116025 | VYPFPGPIPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | -0.003 | t | 130449 | CFFPNLSYC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.023 | 0.02 | t | 55469 | RQQEPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.037 | 0.039 | t | 144641 | FFENKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 137401 | FEDVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 134769 | QIFNL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | -0.002 | t | 113321 | DENPVVHFFKNIVTPRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.04 | 0.047 | 0.04 | t | 138230 | QQFNSTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.045 | 0.051 | 0.05 | t | 66295 | TSLFTPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.045 | 0.051 | 0.05 | t | 66295 | TSLFTPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.032 | 0.04 | 0.04 | t | 48073 | PKGTLTWS | Anas platyrhynchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.037 | 0.041 | 0.041 | t | 19965 | GGPLTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.034 | 0.04 | 0.042 | t | 25080 | HVQTMEEI | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.011 | 0.023 | 0.022 | t | 57654 | SETQKSQNY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.028 | t | 126903 | QVINVREG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 127899 | YFKEQFLDGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.04 | 0.039 | t | 36955 | LKLYFEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.019 | 0.019 | t | 138057 | TPGTEYTV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.055 | -0.047 | -0.051 | t | 72326 | WDQMWKCLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.007 | 0.02 | 0.02 | t | 15462 | FDSSKQSF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.007 | 0.02 | 0.02 | t | 15462 | FDSSKQSF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.034 | 0.04 | 0.038 | t | 57766 | SFFSYGEI | MD |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.042 | 0.033 | 0.043 | 0.05 | t | 110769 | ANPENYFTNGEA | Macaca |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.042 | 0.033 | 0.043 | 0.05 | t | 110769 | ANPENYFTNGEA | Macaca |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.042 | 0.033 | 0.043 | 0.05 | t | 110769 | ANPENYFT NGEA | Macaca |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.022 | 0.031 | 0.03 | t | 33478 | KSQDADY H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.027 | 0.028 | t | 114854 | HKVEQGA SVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.025 | 0.04 | 0.042 | t | 28268 | IRDFMEKE SP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.048 | t | 159282 | EENW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.013 | 0.01 | t | 48452 | PLPPVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.033 | 0.04 | 0.039 | t | 139689 | APDPSVITL ENS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.04 | 0.039 | t | 36955 | LKLYFEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.04 | 0.039 | t | 36955 | LKLYFEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | 0.007 | 0 | t | 118824 | GRRPFFHP VGEADYFE YHQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.027 | 0.03 | 0.029 | t | 11862 | EERPPETT | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.021 | 0.02 | t | 112837 | SGYIPANT TIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.038 | t | 122913 | TGEPVELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.026 | -0.01 | -0.009 | t | 109325 | IDGVNH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.024 | 0.006 | 0.006 | t | 113013 | GSLPQKSQ RSQDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.047 | 0.042 | t | 109227 | GQPREPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | -0.001 | t | 8473 | DGQPAGD R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.013 | -0.013 | t | 116040 | YQQKPVA LIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.07 | -0.063 | -0.073 | t | 134650 | CRYTPRRN IP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.007 | 0.001 | t | 112129 | GIGVGWI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.034 | 0.04 | 0.038 | t | 155744 | SAHSTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.024 | 0.031 | 0.028 | t | 6721 | CNPPDCP GVGTG | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | 0 | 0.001 | t | 45589 | NQMHML SNKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.013 | 0.01 | t | 29342 | IVLGGGCA LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.01 | t | 25217 | IAADQLPN | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.021 | -0.01 | -0.011 | t | 94196 | VVDNYELL KH | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.053 | -0.033 | -0.029 | t | 67859 | VCKVPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.012 | -0.007 | -0.013 | t | 14899 | EVVLQNR RGLDLL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.012 | -0.007 | -0.013 | t | 14899 | EVVLQNR RGLDLL | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.006 | 0.01 | 0.012 | t | 98061 | GFSGSVQF VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.027 | -0.014 | -0.01 | t | 10106 | DSEPFPRQ KHKKVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.007 | 0.007 | t | 115828 | KPAAVRSP AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.007 | 0.007 | t | 115828 | KPAAVRSP AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.021 | 0.02 | t | 142408 | DQVTKKEK KTIKKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.032 | -0.023 | -0.02 | t | 130621 | TFYTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.032 | -0.023 | -0.02 | t | 130621 | TFYTK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | t | 9980 | DRGYISQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 101258 | SQNALPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.008 | 0.017 | 0.011 | t | 116171 | TQDQDPB BHFFKNIV TPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.009 | 0.019 | 0.02 | t | 8510 | DGVFNNPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.01 | 0 | -0.002 | t | 48715 | PNVDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | t | 115293 | IMCVKKIL DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.009 | t | 117238 | TKDTNNN L | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.018 | t | 45303 | NPASTTNK DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.036 | -0.017 | -0.019 | t | 119301 | PEVVVLGS QEGAMHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.017 | t | 4330 | ASARGDLA HLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.019 | t | 138257 | VLTVLHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.028 | 0.041 | 0.04 | t | 142383 | AEQIQAEL QKVKTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.025 | -0.01 | -0.01 | t | 141763 | TGKGIDDA NKKACCAI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.003 | 0.017 | 0.021 | t | 2777 | ALNELNSF GDLINP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.063 | 0.06 | t | 149108 | SLPNLTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.003 | -0.01 | t | 42633 | MSPVNKS FEIEVTCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.017 | 0.009 | t | 119675 | WNSGALT S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 139840 | PAAFAFL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 7849 | DDPPATVY RYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 7849 | DDPPATVY RYD | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 117456 | DGQFCH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.014 | 0 | 0 | t | 120951 | SLDPEFLNLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.006 | 0.009 | 0.012 | t | 35241 | LDNLGGNG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.027 | -0.01 | -0.007 | t | 110795 | CDLIPNLKLNNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.031 | 0.029 | t | 76192 | YTTSEYPSQPPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.031 | 0.029 | t | 76192 | YTTSEYPSQPPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.017 | 0.008 | t | 127923 | AIQVGTSWKQVDQFLGVPYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.022 | -0.01 | -0.01 | t | 42251 | MNYLLFCLFFAF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.032 | 0.029 | t | 8259 | DFELIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.037 | 0.03 | t | 140681 | GPEYWEQQTRIAKEWEQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | 0.007 | 0.003 | t | 131874 | EVFISAPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.029 | t | 48876 | PPPQAPYQGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0.007 | -0.002 | t | 125478 | LHQEYEENLGDSIVGYKEKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.02 | -0.009 | -0.01 | t | 49993 | PVVAESPKKP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.031 | t | 97539 | NYTTAVDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.03 | -0.031 | t | 114223 | PFSRVVHL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.026 | -0.031 | t | 118822 | GPPRPGM MPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0 | t | 53186 | RAQEGAFL TG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.001 | 0 | t | 34297 | KWGVTTLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.063 | -0.05 | -0.051 | t | 55639 | RRLGAALL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.024 | 0.028 | 0.03 | 0.028 | t | 10277 | DSYGRDPY SPSQDPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.049 | -0.029 | -0.028 | t | 49459 | PSPFGQAA AGDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.033 | 0.03 | t | 117919 | IFIEME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0.001 | 0 | t | 70839 | VRVCEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0.001 | 0 | t | 70839 | VRVCEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.007 | 0 | 0.001 | t | 36162 | LGIHE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.032 | -0.023 | -0.031 | t | 119554 | CNVNHKPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.019 | 0.033 | 0.031 | t | 142150 | EYMLDLQ PETTD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.054 | 0.05 | 0.05 | t | 23207 | GVVTLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.004 | -0.003 | t | 15293 | FATTPVCQ FDGN | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 130919 | KFPEDFES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.059 | 0.067 | 0.06 | t | 144320 | GSEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.043 | 0.051 | 0.05 | t | 150971 | CDNTCME SVKNGTYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.009 | 0 | 0 | t | 93522 | NVTNSLDK LI | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.011 | -0.01 | t | 27014 | ILDTSNPV K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.011 | 0 | -0.001 | t | 93328 | LSKVVDNY EL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.02 | 0.033 | 0.03 | t | 51077 | QIHTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.02 | 0.001 | 0.002 | t | 66666 | TTIVHDKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0 | 0.01 | 0.009 | t | 59972 | SPAFTKGE KVDLN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.007 | 0.003 | 0 | t | 13728 | EPPVVHGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 108074 | PQVYTLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.03 | 0.03 | t | 25538 | IDANDCLV TPSVK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 115397 | NLLSICKTAEF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.024 | 0.042 | 0.043 | t | 99057 | WQIPEQSQCQAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.018 | -0.02 | -0.025 | t | 156974 | WGTHTSYPWRLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 800 | ADYHRVMY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.009 | t | 48279 | PLATQPPVLAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.069 | t | 159283 | EGP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.024 | 0.031 | 0.028 | t | 6721 | CNPPDCPGVGTG | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.04 | t | 48115 | PKPKVASEAFMST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.023 | -0.032 | t | 134803 | THLLIRKLPSRLAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.02 | 0.031 | 0.029 | t | 44613 | NKVDAAVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | -0.001 | t | 79111 | VNKGYTG Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.017 | 0.01 | t | 125027 | EHIEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 140462 | FNTKHDMQGDTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.014 | -0.01 | -0.013 | t | 50177 | PYTSTLLP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.001 | -0.001 | t | 43106 | MYYLKNT NF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.033 | t | 115530 | VAGTWYS LAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.065 | -0.051 | -0.05 | t | 50350 | QAQYNQ MHML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.027 | 0.037 | 0.03 | t | 120167 | RFQSSAV MALQEAC EAYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.01 | -0.012 | t | 60267 | SPSQDPYS PSQDPDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.007 | 0.007 | 0 | t | 128038 | KSPKKAKA AKPKKAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.038 | t | 102816 | SPVPQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.001 | 0.003 | -0.001 | t | 99260 | FVDRL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.05 | 0.05 | t | 50871 | QGGNIVDI DF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.001 | 0.01 | 0.01 | t | 62907 | TALDTSNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.037 | 0.03 | t | 108080 | QGKVGPS GAPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.008 | t | 78024 | SYTRLFLIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 78365 | DSWDHEQ A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.019 | t | 30180 | KDKDKDN TDE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.033 | 0.04 | 0.04 | t | 37325 | LLGEATAL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.001 | 0.01 | 0.009 | t | 93326 | LSFSDSNLKD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.011 | 0.006 | t | 89854 | VAKLTVMVYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.033 | 0.047 | 0.042 | t | 136704 | VEALAFPD TDFPGLITLTIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.028 | t | 19375 | GENK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.017 | -0.02 | t | 144652 | GMRGMKGLVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.036 | t | 6457 | CITQYQRE SQAYYQRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.029 | t | 119576 | EYKCKVSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.009 | t | 78461 | LYVCLNET | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.04 | 0.057 | 0.052 | t | 125229 | RDSEGDLV AEKLGPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.027 | 0.022 | t | 109530 | LTKNQVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 7058 | CSQAAPYIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.02 | -0.021 | t | 48926 | PPSSPPQW | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.027 | -0.013 | 0 | -0.002 | t | 61827 | STPPLPWP WSPAAL | Mustela |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.027 | -0.013 | 0 | -0.002 | t | 61827 | STPPLPWP WSPAAL | Mustela |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.056 | 0.061 | 0.06 | t | 144925 | NETIYNTTL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.005 | t | 59975 | SPAIFQSS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.03 | 0.022 | t | 106235 | AGFNVPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.001 | 0 | t | 98438 | SAVGKTVK VY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 64004 | TGYGTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.049 | t | 118864 | KIPPTPFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 134200 | PVVNSLDP PLLTRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.01 | 0.023 | 0.02 | t | 1595 | AGLFLTTE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.027 | 0.02 | t | 135953 | LLQYVVKS FDRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.027 | t | 134696 | ITLYLTEK | MD |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.007 | 0 | t | 123314 | IGTFKAFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.014 | 0.02 | 0.018 | t | 29567 | IYDKLTVQ TTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.028 | 0.04 | 0.04 | t | 144538 | VVDAEVV DDDRESK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.03 | 0.04 | 0.04 | t | 9669 | DPLLGNQS | Anas platyrhy nchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.013 | 0.009 | t | 119466 | IRGERA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.047 | 0.05 | 0.05 | t | 61997 | STVTEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.03 | 0.028 | t | 30561 | KEPGVLM GGQSESVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.027 | 0.021 | t | 3517 | APDTRPAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.042 | -0.033 | -0.032 | t | 25664 | IDRSLPIV K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.002 | 0.009 | 0.01 | t | 141559 | SDEALPLG SPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.003 | -0.008 | t | 144700 | KEWAKRA ALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.04 | t | 157130 | CIIEEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0 | 0.004 | t | 32802 | KPNDKSLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.023 | -0.03 | t | 112295 | RMRDGA W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.027 | -0.01 | -0.007 | t | 110932 | LNLKIDGL KISV | Macaca |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.048 | 0.049 | 0.05 | t | 65193 | TMEEINTL | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 48409 | PLLRTQF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.025 | -0.02 | -0.02 | t | 48409 | PLLRTQF | Oryctolagus cuniculus |

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|---|------|---|---|------|-------|--------|-------|-------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.004 | 0.01 | 0.01 | t | 6068 | CCPDKNKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.009 | 0.01 | t | 39251 | LRYGNVLDVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.073 | 0.07 | t | 149106 | SITNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.066 | 0.073 | 0.072 | t | 105721 | DQISTVQA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.023 | 0.037 | 0.03 | t | 20097 | GGYGDGGAHGGGYGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.06 | 0.067 | 0.06 | t | 118373 | GIEADDDR LNKVISE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.038 | 0.04 | 0.039 | t | 89661 | TQLTSSYEDYML | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 3639 | APLGVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 21566 | GPAFHER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.073 | 0.058 | 0.07 | 0.07 | t | 97667 | STTDSFSD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.031 | 0.03 | t | 63805 | TGDLRAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.031 | 0.03 | t | 63805 | TGDLRAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.029 | t | 110941 | MHGDTPTLHEYMLDLQPE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.007 | t | 32089 | KLPTPIELPK | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.009 | -0.01 | t | 20082 | GGVYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.004 | t | 59374 | SLNTGWL AGLFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | 0.003 | -0.001 | t | 47014 | PAYYTKDT NNNLTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.021 | 0.02 | t | 38404 | LPALSTGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 78433 | KLYVCLNE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 78433 | KLYVCLNE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.022 | t | 40922 | LYREFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.027 | 0.02 | t | 112801 | LATPNPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.022 | 0.022 | 0.029 | 0.03 | t | 110964 | PNLKLNN GTDYK | Macaca |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.01 | -0.01 | t | 96849 | SAETIF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.01 | -0.01 | t | 96849 | SAETIF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.037 | 0.03 | t | 135974 | PSNSASVP ALTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 117600 | PKKAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.017 | -0.02 | t | 110913 | KDIKANPE NYFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 128955 | ILFSVFD | MD |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.003 | 0.02 | 0.022 | t | 141763 | TGKGIDDA NKKACCAI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.003 | 0.02 | 0.022 | t | 141763 | TGKGIDDA NKKACCAI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.027 | t | 134696 | ITLYLTEK | MD |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.028 | -0.019 | -0.019 | t | 1373 | AFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.008 | t | 108075 | PREPQVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.034 | -0.041 | t | 10987 | EAAGIGILT V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | -0.002 | t | 125552 | RRFEYDDP RFLRLDLA QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.012 | 0.01 | t | 383 | AAPYIEQA QVIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.007 | 0.008 | t | 73334 | YAATVAA APEVKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.027 | 0.019 | t | 125284 | TYICEVED QKEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.02 | -0.01 | -0.01 | t | 110839 | ETTSQMIV KDIK | Macaca |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.02 | 0.033 | 0.033 | t | 78256 | QYPALTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.008 | t | 75370 | YPNQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.008 | t | 75370 | YPNQV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.033 | 0.049 | 0.051 | t | 78148 | ENQANPT TAET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | -0.001 | t | 26339 | IGVKGSSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.027 | 0.02 | t | 126227 | HNNAHY VFEEQED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.017 | -0.003 | 0.003 | t | 111038 | TGALSKIY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.006 | t | 21407 | GNDYEDR YYREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.059 | 0.057 | 0.058 | t | 118991 | RAEDNAD TLALVFEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 8972 | DKPSYQFG GH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.031 | 0.032 | t | 40649 | LVYQTEKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.037 | -0.027 | -0.03 | t | 72236 | WAKH MW NFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.023 | -0.023 | t | 30115 | KDASIQV V SA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.016 | 0.02 | t | 30799 | KFNPD LAP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.011 | 0.01 | t | 47426 | PESPFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.007 | -0.009 | t | 115483 | SFFDIGGS VSAGFSN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.02 | 0.03 | 0.031 | t | 132754 | YER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0 | 0.01 | 0.01 | t | 127782 | QAAELTLG PSAC | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.037 | -0.037 | -0.023 | -0.028 | t | 156885 | GYRAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.008 | t | 22357 | GSGVRGD FG | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.043 | 0.042 | t | 95723 | QNDPTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.017 | 0 | 0.001 | t | 68833 | VHASFFDIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0 | 0.001 | t | 68833 | VHASFFDIG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | 0 | -0.002 | t | 99914 | CGQGIDC GPIQP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.033 | 0.032 | t | 71203 | VSVPAEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | 0 | -0.01 | t | 33732 | KTKIPAVFK I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 119622 | NVNHKPS N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 10124 | DSGCVVSWK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.016 | 0.012 | t | 8473 | DGQPAGD R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.023 | 0.02 | t | 47674 | PGHLAP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.027 | -0.031 | -0.032 | t | 122138 | LKKDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.009 | t | 15807 | FFFDIDLLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.058 | t | 156756 | SGPSYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.021 | -0.022 | t | 74476 | YKLPDHVR T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.027 | -0.028 | -0.033 | t | 157292 | GAIGLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.017 | -0.021 | t | 47983 | PISLERLDV GTNLGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.043 | -0.04 | t | 46987 | PAVFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | -0.001 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.043 | -0.04 | -0.04 | t | 139898 | SLPWFPF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.02 | 0.019 | t | 134471 | PKPEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0 | t | 21422 | GNFERISG DLKTQID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.003 | -0.008 | t | 144816 | WSHNFTN MLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.013 | -0.02 | t | 117281 | DVVYALKR QGRTLYGF GG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.013 | -0.02 | t | 117281 | DVVYALKR QGRTLYGF GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.016 | -0.02 | t | 118548 | PAPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.02 | -0.019 | -0.024 | t | 50965 | QGTDYKH W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.001 | -0.002 | t | 33244 | KRVVIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.02 | -0.021 | t | 27085 | ILGWPLAE RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.02 | t | 65852 | TQGIVEFY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.008 | 0.008 | t | 96598 | LPPKKIKDP D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.037 | 0.028 | t | 121347 | GPLTVAQK KAQNIME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.037 | 0.028 | t | 121347 | GPLTVAQK KAQNIME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | 0.004 | -0.029 | -0.02 | -0.02 | t | 113597 | LCLPLAPQ GLL | Rattus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.047 | 0.049 | 0.05 | t | 4771 | ASSGIGPE KA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | -0.002 | t | 115690 | AQTQSLVY PF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.09 | 0.09 | 0.097 | 0.091 | t | 133692 | SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.043 | -0.041 | t | 51431 | QLRLKKY KV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.003 | -0.009 | t | 144823 | YWEGSGI GAI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.022 | 0.031 | 0.03 | t | 61824 | STPLLYPSL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.022 | 0.031 | 0.03 | t | 61824 | STPLLYPSL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.021 | -0.017 | -0.021 | t | 99260 | FVDRLL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.04 | 0.031 | t | 117383 | TLHKAFKG SIFVVFDSE SA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.033 | 0.03 | t | 30877 | KFVKEQRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.004 | 0 | -0.002 | t | 19532 | GFGHIGVT VDDVHKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.004 | 0 | -0.002 | t | 19532 | GFGHIGVT VDDVHKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.004 | 0 | -0.002 | t | 19532 | GFGHIGVT VDDVHKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 | t | 155334 | PADSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.027 | 0.019 | t | 119855 | FAESRIRRE TIAAED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.027 | 0.019 | t | 119855 | FAESRIRRE TIAAED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.004 | 0.011 | 0.009 | t | 72616 | WIGNGYR Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 140461 | EVSLHDM NLATH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.023 | 0.02 | t | 107247 | TFGSGTRL TV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.003 | 0.01 | 0.008 | t | 56768 | SAEYEKSK VNKYLKTI MPF | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 136063 | FIRFDKRIE AEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.069 | 0.071 | 0.069 | t | 69624 | VLLQME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.011 | 0.009 | t | 130454 | CLFPNNSY C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.011 | -0.01 | t | 39085 | LRFSGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.03 | t | 42984 | MVQVVYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.01 | -0.01 | t | 31787 | KLDLYGKV H | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.073 | 0.07 | t | 149106 | SITNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | -0.001 | -0.002 | t | 40159 | LTSAILGL DGTWV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.033 | -0.041 | t | 136007 | VKEKGMA ALPRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.038 | -0.033 | -0.032 | t | 14380 | ETFTNKLK EKHTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 123612 | PPGMIPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.061 | 0.073 | 0.072 | t | 34908 | LAPLGE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.05 | 0.061 | 0.061 | t | 89745 | TTELTAE NQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.003 | 0.017 | 0.023 | t | 110952 | NDLQTVL G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.02 | 0.003 | 0.003 | t | 141618 | DLMNEVL NKMDKKY SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.02 | 0.003 | 0.003 | t | 141618 | DLMNEVL NKMDKKY SA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.009 | -0.01 | t | 72413 | WFLDLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.034 | 0.03 | t | 135908 | DINTVTTV AQSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.034 | 0.039 | 0.038 | t | 155744 | SAHSTPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | t | 3985 | AQKKIIAEK T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.067 | 0.064 | 0.07 | 0.07 | t | 50396 | QAYQQGV TVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.006 | 0.013 | 0.012 | t | 105412 | NQTKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.027 | 0.04 | 0.042 | t | 75479 | YQELGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.001 | 0.003 | -0.001 | t | 99779 | YACRDI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.031 | t | 107702 | YVDGVQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.04 | 0.051 | 0.051 | t | 89745 | TTELTAE NQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.002 | 0.009 | 0.01 | t | 141560 | SDEALPPG SPR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135506 | VTFPGA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.04 | -0.03 | -0.029 | t | 156553 | YSTCYFIM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.039 | t | 119670 | WESNGQP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.01 | -0.02 | t | 114948 | SIEFGTNIS K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0.001 | -0.003 | t | 103143 | EMIEAVGY RSWPRYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.053 | 0.059 | 0.06 | t | 96067 | AETIFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.055 | 0.053 | 0.059 | 0.06 | t | 96067 | AETIFD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.053 | 0.059 | 0.06 | t | 96067 | AETIFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0 | 0.01 | 0.01 | t | 26047 | IFDVTTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.01 | t | 38700 | LPSAVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.041 | 0.043 | 0.05 | t | 110845 | EYMLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.041 | 0.043 | 0.05 | t | 110845 | EYMLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.041 | 0.043 | 0.05 | t | 110845 | EYMLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.041 | 0.043 | 0.05 | t | 110845 | EYMLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.041 | 0.043 | 0.05 | t | 110845 | EYMLD | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.011 | 0.01 | t | 142383 | AEQIQAE LQKVKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.041 | 0.037 | 0.039 | t | 19607 | GFQYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.04 | -0.027 | -0.031 | t | 20663 | GKPVVQTI LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.014 | 0.02 | 0.02 | t | 9591 | DPAKA AFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.051 | 0.051 | t | 130643 | YSLLEPYT FDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 45004 | NMMKYIS PPIFL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.03 | -0.007 | -0.007 | t | 141771 | VAEREAY LWKQYNP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.013 | t | 130457 | CRQPGNN YC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.022 | 0.02 | 0.018 | t | 99985 | EFRHDSGY EV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 29126 | ITTYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.011 | t | 157292 | GAIIGLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.009 | t | 52273 | QRVEFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.024 | 0.006 | 0.006 | t | 113013 | GSLPQKSQ RSQDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.007 | -0.001 | t | 109251 | GSFFLYS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.064 | -0.047 | -0.05 | t | 19108 | GDRRKAM FEDIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 76586 | YYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.07 | -0.063 | -0.073 | t | 134650 | CRYTPRRN IP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.03 | 0.029 | t | 21631 | GPGEVWV T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.01 | t | 3382 | ANPPDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.034 | 0.04 | 0.038 | t | 133540 | DALVAKA QEVs | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.07 | 0.077 | 0.07 | t | 117547 | KLEVQATD REENKQIA LGTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | 0.001 | -0.002 | t | 79026 | MSDGAVQ PDGGQPA V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.01 | t | 144594 | ARGISRTK YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.033 | 0.03 | t | 38631 | LPPVAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.034 | 0.041 | 0.039 | t | 59869 | SNNPE | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.007 | -0.01 | t | 105717 | DPSIMAKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.011 | 0.027 | 0.031 | t | 39789 | LTAENTAI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.013 | -0.012 | t | 67524 | VAALNRRI QLLEEDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.02 | -0.03 | t | 98845 | KFDKALKA LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.067 | -0.05 | -0.05 | t | 66075 | TRPHGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.009 | 0.01 | t | 120419 | AVKYTGYT GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | -0.003 | t | 27650 | INHVVLLV GY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 49993 | PVVAESPK KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.021 | 0.031 | 0.03 | t | 47483 | PFCGESTL YT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 73384 | YALADASL KMAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 25622 | IDLTKNA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.042 | -0.03 | -0.03 | t | 78452 | LNVAHQL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 25623 | IDLTKNA AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.04 | t | 119478 | KNDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.042 | -0.03 | -0.03 | t | 100250 | LDVRKQYK RD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 118038 | NLNEIKKK D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.045 | t | 134669 | FGFPQE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|----------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.03 | 0.03 | t | 48990 | PQEIPQPQ | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.013 | 0.031 | 0.032 | t | 68745 | VGNYDFWYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.009 | -0.01 | t | 49993 | PVVAESPKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.031 | 0.03 | t | 38956 | LQQATRQAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.031 | 0.03 | t | 38970 | LQRATQQQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.005 | 0.013 | 0.012 | t | 39626 | LSREM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 131818 | AKEERRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 134781 | RGDGPFRLLGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.039 | 0.04 | t | 110962 | PIDVVDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.016 | 0.03 | 0.03 | t | 140080 | YEKEPTPTRTPDQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.016 | 0.03 | 0.03 | t | 140080 | YEKEPTPTRTPDQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.078 | 0.07 | 0.07 | 0.067 | t | 136365 | IDSNHVYKDFLT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.004 | -0.01 | t | 109241 | GRTGPAGAA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.045 | 0.057 | 0.051 | t | 119749 | ALQEACEAYLVGLF | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0.003 | 0 | t | 4024 | AQPGYPW PLYGNEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.057 | 0.059 | 0.06 | t | 61727 | STLLPELS ETPNAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.06 | 0.058 | t | 121775 | RAPVSQA AKFDPSTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.023 | 0.02 | t | 52010 | QQEGAQQ PAPATA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.016 | 0.02 | 0.02 | t | 102818 | SPYTDRYK F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.045 | -0.027 | -0.028 | t | 136080 | RAGTDEGF G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.047 | 0.04 | t | 125201 | PPQTEHIE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.03 | t | 131365 | ATLVCLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.019 | t | 10496 | DTTIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.016 | 0.001 | 0.002 | t | 27379 | ILTGGKSK QTEGLLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.01 | t | 107659 | VKFNWYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.01 | t | 800 | ADYHRVM Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.033 | 0.03 | t | 125565 | STDDYASF SRAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.035 | 0.04 | 0.04 | t | 47096 | PDFYGDPL E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.042 | 0.032 | 0.03 | 0.027 | t | 4702 | ASQKIQLV | Pan troglody tes |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.05 | t | 10320 | DTDSGYD VPDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.026 | -0.007 | -0.008 | t | 38946 | LQPGKTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.007 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.033 | 0.032 | t | 111661 | QAEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.063 | 0.066 | 0.06 | t | 142225 | LNDSSEEE DEID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.001 | -0.001 | t | 56788 | SAFVFPTK D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.003 | t | 57648 | SETLKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 49703 | PTLLGEAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.019 | t | 95047 | VEVPGSQ HIDSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.019 | t | 95047 | VEVPGSQ HIDSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.002 | -0.002 | t | 100085 | GSWCVPK PGVSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.001 | -0.002 | t | 122138 | LKKDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127906 | YVKLF PNS LD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.002 | 0.01 | 0.009 | t | 140594 | RELVLAGTI | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.017 | -0.007 | 0 | t | 67606 | VAGLQND PT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.01 | t | 62907 | TALDTSNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.043 | 0.04 | t | 62458 | SWGSPKV TKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.022 | t | 49295 | PSAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.041 | t | 78276 | TEVPVEKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.02 | t | 121875 | SRERSKDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.04 | 0.037 | t | 28250 | IQWDGYA RQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.013 | 0.012 | t | 70039 | VMYASSGI GP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.013 | 0.011 | t | 107126 | GAPGTPG PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 119669 | VSWNSGA L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.019 | 0.02 | t | 35994 | LFTGHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.038 | -0.03 | -0.03 | -0.029 | t | 110126 | YIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.043 | -0.03 | -0.031 | t | 65779 | TPTAWKP N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.069 | 0.069 | 0.071 | 0.07 | t | 66316 | TSLSVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.013 | -0.019 | t | 144600 | CQREFALK HL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.027 | 0.028 | t | 75761 | YSIEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.065 | 0.071 | 0.07 | t | 19057 | GDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.007 | -0.011 | t | 115631 | NVRFSDG GFTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.011 | 0.02 | 0.019 | t | 110733 | VGENVPD DLYIKGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.02 | t | 11882 | EESPLGFS PE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.013 | 0.01 | t | 80018 | RQTDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.013 | 0.01 | t | 80018 | RQTDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.014 | -0.01 | -0.013 | t | 50177 | PYTSTLLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 25094 | HVSPTHYV P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.007 | t | 47045 | PCSICSNN PTCWAICK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.025 | 0.017 | 0.01 | t | 103843 | DF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.014 | 0.027 | 0.031 | t | 915 | AEGDDPA KA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | -0.002 | t | 130289 | VSAAPGSA APAAGSA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|--------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.025 | -0.011 | -0.01 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.033 | 0.03 | 0.029 | t | 49878 | PVGTPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.028 | 0.029 | 0.028 | t | 9819 | DPYSPSQD PDRRDY | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.056 | 0.06 | 0.06 | t | 144925 | NETIYNTTL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.012 | t | 66668 | TTKAPTQA AK | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.006 | 0.009 | 0.011 | t | 99057 | WQIPEQS QCQAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.015 | -0.01 | -0.012 | t | 100032 | FEPNTVKA HAAY | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.017 | 0.027 | 0.03 | t | 25525 | ICSISPSQG CQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.017 | 0.027 | 0.03 | t | 25525 | ICSISPSQG CQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.017 | 0.027 | 0.03 | t | 25525 | ICSISPSQG CQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.04 | 0.033 | 0.037 | t | 122872 | PLTLEL | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.022 | t | 49295 | PSAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.022 | t | 49295 | PSAPPL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.011 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.049 | 0.05 | t | 96286 | FDVTTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.049 | 0.05 | t | 96286 | FDVTTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.043 | 0.042 | t | 95416 | GLQNDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.019 | t | 144682 | HLVGSALS DP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 70387 | VPNLRGDL QV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.03 | t | 72544 | WHLKSIG QLVIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.018 | 0.03 | 0.03 | t | 72544 | WHLKSIG QLVIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.033 | 0.03 | t | 62458 | SWGSPKV TKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.017 | -0.02 | t | 50016 | PVWARPD Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.01 | 0.01 | t | 102943 | YGCYCGLG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.046 | -0.029 | -0.029 | t | 23455 | GYSDRVRS ITLGNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.08 | 0.078 | t | 135570 | LFDASDSS S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 1477 | AGDR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.03 | 0.039 | 0.04 | t | 9669 | DPLLGNQS | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | -0.003 | t | 134694 | ISPFSCCLK | MD |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.025 | 0.037 | 0.03 | t | 122956 | YYVFFEEQ EDEIIGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.039 | 0.04 | 0.039 | t | 122113 | IIASTEKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.011 | t | 112897 | AATGAAT AAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.007 | -0.01 | t | 66101 | TRSQSGLT FA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.005 | 0.021 | 0.022 | t | 97069 | VQPQVNK EIR | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.023 | 0.022 | t | 111176 | CTSICKYPD YIKMVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.017 | -0.01 | -0.01 | t | 63832 | TGGAGYFY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.031 | 0.04 | 0.04 | t | 99934 | DFLSTEEKE F | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.008 | t | 30697 | KFAENVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.01 | t | 57215 | SDIEKKVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.003 | -0.009 | t | 144823 | YWEGSGI GAI | Homo sapiens |

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|---|------|---|---|------|-------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0 | 0.01 | 0.009 | t | 3863 | APTIEAIR PIQVA | Anas platyrh nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.02 | t | 123618 | PPPGLAPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.009 | t | 137401 | FEDVW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.053 | 0.06 | 0.058 | t | 142486 | YNQYTEEE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.019 | t | 58129 | SGLTSLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.003 | 0 | t | 159063 | RKAADTFN FKTFFHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.02 | 0.03 | 0.03 | t | 127786 | QEPGNPSE FEAD | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.023 | 0.02 | t | 6067 | CCNLEPEA RKVISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.034 | 0.037 | 0.03 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.005 | t | 105206 | GAIIGLMV GGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.022 | 0.019 | 0.03 | 0.03 | t | 53011 | QYNQLST GLQEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.01 | t | 156799 | VYATRSSA VRLRSSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.021 | 0.02 | t | 142382 | AEDAAEEA KEAAKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 118535 | NGNLQLR NKEVT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.001 | -0.001 | t | 21883 | GQHPAKSM | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0.007 | 0 | t | 122956 | YYVFFEEQ EDEIIGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.007 | 0 | t | 106634 | LVGPRGER GFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.027 | 0.021 | t | 122328 | EEYHLYKD GHLPISEFALLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 118536 | NITDHGSLI YSFSECAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.034 | 0.041 | 0.039 | t | 133540 | DALVAKA QEVs | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.048 | 0.053 | 0.051 | t | 99737 | TVKVGd | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.01 | 0.001 | 0.002 | t | 81048 | DIKLTITGP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | 0 | -0.008 | t | 52184 | QRAKEALD KYELENH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.021 | 0.02 | t | 68272 | VELKIKIAS GFGPLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.003 | 0.01 | 0.008 | t | 56768 | SAEYEKSK VNKYLKTI MPF | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.007 | 0.01 | t | 49450 | PSNQDSF QWQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.053 | -0.05 | t | 46987 | PAVFK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.023 | 0.021 | 0.02 | t | 25694 | IDTTIM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.002 | 0.016 | 0.012 | t | 125209 | QFQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.02 | 0.02 | t | 117344 | PPGMRPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117344 | PPGMRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.011 | 0.01 | t | 142391 | DAANIAH QKWLKAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74415 | YIWPRND YDG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 131314 | TFLTVPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.045 | 0.053 | 0.048 | t | 118133 | SESQTLDK VYQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.011 | 0.017 | 0.018 | t | 79622 | NYARTGG QVTAG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.009 | 0.01 | t | 133546 | DSARAAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.021 | 0.014 | t | 5249 | AVAEAEG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 121823 | RTVLVSM NY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.036 | 0.031 | 0.029 | t | 8259 | DFELIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.031 | 0.029 | t | 8259 | DFELIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0 | t | 36834 | LKEYKDK | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.069 | t | 107107 | EAIQP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.003 | 0 | t | 131580 | PDRFSGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.022 | 0.022 | 0.029 | 0.03 | t | 110964 | PNLKLNN GTDYK | Macaca |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.036 | 0.029 | t | 13986 | EREVSVPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.036 | -0.041 | t | 119607 | KTHTCPPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.011 | -0.01 | t | 58402 | SHRELWAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.024 | -0.021 | -0.011 | -0.01 | t | 58402 | SHRELWAK | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0.01 | 0.003 | t | 106738 | QKRAAYD QYGHAAFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.002 | t | 156946 | QLLYGS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.008 | -0.01 | -0.013 | t | 5109 | ATPYHPPA TP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.04 | t | 135959 | LTRAYAKD VKFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.029 | -0.032 | t | 46713 | NYTIFKIRM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.002 | t | 133664 | PPPPPPPP PP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.007 | 0.017 | 0.021 | t | 75541 | YQQYPQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.024 | -0.019 | -0.022 | t | 30294 | KEAIVTK | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0.003 | 0 | t | 36463 | LIANCASIL CKCYTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.01 | t | 105937 | LPNIEADV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 153425 | MQIFVKTL TGKTITL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.017 | 0.029 | 0.03 | t | 63089 | TCPDKKST A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | t | 63238 | TDSQDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.01 | t | 97167 | AANYTTAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.01 | t | 97167 | AANYTTAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.067 | -0.053 | -0.061 | t | 107828 | ERGLKGHR GFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | -0.002 | t | 868 | AEEAFDL WNECAKA CV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.03 | t | 8646 | DIGDIVRG KDLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.022 | -0.009 | -0.01 | t | 12422 | EIDLTNKN AAKLRGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.006 | 0.01 | 0.01 | t | 29103 | ITTATGY | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.02 | -0.007 | -0.01 | t | 11313 | EDERTLTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.007 | 0 | t | 123570 | PATKKAV Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 107315 | DGKEYKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.016 | -0.021 | t | 55577 | RRGPRLGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.025 | 0.037 | 0.031 | t | 117543 | KFKGKATL TSDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.01 | 0.021 | 0.021 | t | 88952 | SNYTPKNK IE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.007 | -0.01 | t | 38836 | LQFGYTSM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.038 | 0.03 | 0.03 | 0.027 | t | 136648 | SPLNNFYK TQLR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.01 | t | 43212 | NALSFTNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.019 | t | 119660 | VEWESNG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.015 | 0.017 | 0.009 | t | 115608 | GRTELLKD AIGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.015 | 0.017 | 0.009 | t | 115608 | GRTELLKD AIGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.023 | 0.02 | t | 105850 | GTAPFEIH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.016 | 0.003 | 0.001 | t | 119379 | VGNETQG VTAEITPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.019 | t | 46786 | PAEVTQLK GLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.017 | 0.01 | t | 141916 | HSLRYNLT VLSW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.019 | 0.01 | t | 122116 | IPDSRLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 134200 | PVVNSLDP PLLTRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.02 | t | 81782 | EQVEYPLK PI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | -0.014 | 0.001 | 0 | t | 120928 | RRSNVIWP VSKDQLLR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.027 | t | 134696 | ITLYLTEK | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.005 | 0.01 | 0.01 | t | 52476 | QTASGLVS MF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.008 | t | 30863 | KFTEPVKDI M | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.027 | -0.014 | -0.01 | t | 111025 | SKIYDTKT GTDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.027 | -0.014 | -0.01 | t | 111025 | SKIYDTKT GTDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.004 | t | 10124 | DSGCVVS WK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.039 | 0.05 | 0.05 | t | 111309 | GDTPTLHE YMLDLQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.03 | t | 8475 | DGQPAGD RADGQPA GDRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78400 | GLLNDY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.003 | -0.011 | t | 119647 | SRWQQG NV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.029 | 0.02 | t | 133795 | DFTYDQV AFNGLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 49825 | PVADLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.021 | -0.009 | -0.009 | t | 66410 | TSRVEHAV VYYVYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | 0.007 | -0.003 | t | 69265 | VKLSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.04 | -0.029 | -0.03 | t | 36890 | LKIKIASGF GPLITH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.029 | 0.021 | t | 107814 | EGLHNHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 108874 | DPISGHVS LF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.03 | 0.033 | 0.028 | t | 156965 | SVQERYYA FWST | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.033 | 0.028 | t | 156965 | SVQERYYA FWST | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.01 | t | 63730 | TFPQPQQ TYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.009 | 0.01 | t | 80508 | ATAIFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.009 | 0.01 | t | 80508 | ATAIFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.057 | 0.049 | t | 117613 | QEKLQVAL GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.01 | 0.013 | 0.021 | 0.019 | t | 137891 | HETHYGYA TLSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.019 | t | 137891 | HETHYGYA TLSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.029 | 0.028 | t | 88388 | SAWNSDS EKPFDHL | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.029 | 0.028 | t | 88388 | SAWNSDS EKPFDHDL | MD |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.023 | -0.03 | t | 127643 | ERPLELRV RVLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.013 | 0.027 | 0.022 | t | 156970 | VERHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.067 | 0.08 | 0.082 | t | 141957 | MEKIAEED I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.052 | -0.036 | -0.038 | t | 96487 | KPTAPTKP TY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.02 | 0.03 | 0.03 | t | 51943 | QPQWTPE E | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.014 | 0.021 | 0.019 | t | 53240 | RAVVAPD KEVLYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.059 | 0.053 | 0.06 | 0.062 | t | 14576 | ETTTIPPS | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.033 | 0.03 | t | 105715 | DLESIKGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.019 | t | 131700 | TGVTTQG VKSLTSM YVKEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.039 | -0.023 | -0.018 | t | 47350 | PELPYPQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.028 | -0.019 | -0.02 | t | 53112 | RAHYNIVT F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.03 | 0.037 | 0.04 | t | 64062 | THPLYQSE | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.007 | 0.01 | 0.013 | t | 110819 | DTKTGTDR ETTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.019 | -0.011 | -0.011 | t | 29803 | KAFRELAD AL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.049 | -0.04 | -0.039 | t | 118764 | CYGSFARP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.056 | -0.043 | -0.04 | t | 43791 | NEWCRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.013 | -0.021 | t | 144700 | KEWAKRA ALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.082 | 0.078 | 0.079 | 0.078 | t | 96215 | EEEEAEDK ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.016 | 0 | 0.001 | t | 41169 | MAVPAFS DIAKSAND LLNKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.013 | t | 130461 | CWNYCLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | 0 | 0 | t | 94517 | FNENMAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.011 | 0 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.023 | 0.02 | t | 2610 | ALHQSM LNSQAIDNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.042 | -0.03 | -0.031 | t | 30062 | KCKNDGW AGYWR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.042 | -0.03 | -0.031 | t | 30062 | KCKNDGW AGYWR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.019 | t | 116681 | CFEGQEKA HNQDLGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.014 | 0.001 | 0 | t | 21353 | GMTFRAQ EGAFLTG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | 0 | -0.008 | t | 106235 | AGFNVPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78400 | GLNDY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | 0.001 | -0.01 | t | 118432 | ISIGYHYPP ICLGRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.009 | -0.011 | t | 74217 | YIGGPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.03 | 0.033 | 0.041 | 0.039 | t | 137867 | GEIKFEAV EGAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.041 | 0.039 | t | 137867 | GEIKFEAV EGAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 107451 | ISKAKGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.003 | -0.001 | t | 46951 | PASSHTILV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.003 | -0.001 | t | 46951 | PASSHTILV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.039 | 0.053 | 0.051 | t | 70502 | VPVPDFSQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.01 | t | 112814 | PEQPPIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.039 | -0.029 | -0.03 | t | 58346 | SHDRHFLN N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.037 | 0.05 | 0.052 | t | 87834 | REGVEEEK TSEE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.018 | -0.001 | 0.001 | t | 98697 | AMCNVYI PPYCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.033 | 0.031 | t | 142474 | SSTTGVA M | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.014 | -0.01 | -0.011 | t | 29160 | ITYGACPR YVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.014 | -0.01 | -0.011 | t | 29160 | ITYGACPR YVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.014 | -0.01 | -0.011 | t | 29160 | ITYGACPR YVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.074 | -0.063 | -0.072 | t | 127779 | PSRRRRRR KATLAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.022 | -0.013 | -0.01 | t | 75445 | YPYLKDGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.006 | t | 74794 | YLLPAIVHI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.011 | 0.007 | t | 103550 | RIFYKDAF AKHQELF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.007 | 0 | t | 119641 | SEHETRLV AKLFKDYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.006 | 0.02 | 0.022 | t | 109349 | IPVDLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.013 | 0.01 | t | 986 | AEIERMVR EAAKYEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.043 | 0.04 | t | 149116 | SYAAVAS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.028 | 0.039 | 0.04 | t | 65 | AAAVLNLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.017 | 0.027 | 0.03 | t | 115060 | GYLEQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.02 | t | 32494 | KNFNFEVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 131358 | APSVTLF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | -0.001 | -0.002 | t | 70134 | VNNKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.02 | 0.02 | t | 71449 | VTPLGPPA AEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.029 | 0.041 | 0.04 | t | 133687 | SAEALLRL QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.012 | 0 | 0 | t | 64644 | TKPTDPTG IE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.003 | 0.009 | 0.01 | t | 43039 | MYASSGIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0.001 | 0 | t | 65428 | TNSKGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.02 | -0.01 | -0.011 | t | 73074 | WSGKFPTL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61394 | SSTKNLIY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.006 | -0.002 | t | 3274 | ANETIYNT TLKYGDV | MD |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.003 | 0.02 | 0.022 | t | 120414 | ATNLIKSG VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.009 | t | 138258 | VMHEALH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.04 | -0.05 | t | 98681 | AEKTKIPA VF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.004 | 0.017 | 0.02 | t | 74475 | YKLNIFYD LLRAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.002 | t | 107479 | KFNWYVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.043 | 0.04 | t | 68017 | VDLPQL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.01 | 0.01 | t | 49745 | PTPQEIPQ | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.019 | -0.02 | t | 60626 | SRCEQIRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.007 | t | 57618 | SERVQLLH SQNTSLIN QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.013 | -0.019 | t | 144600 | CQREFALK HL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 79528 | CPSKKPYE EVTC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 79528 | CPSKKPYE EVTC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 79528 | CPSKKPYE EVTC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.01 | -0.009 | t | 133533 | CKCGKCNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.053 | -0.05 | t | 46987 | PAVFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.028 | t | 95717 | QLDTDGK GYE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.049 | 0.04 | t | 119506 | PIVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 29126 | ITTYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.01 | t | 133787 | CQALVRM LAKKPGW K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.001 | -0.011 | t | 131293 | AGRAREYV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.044 | -0.031 | -0.03 | t | 42576 | MSIRRSMA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.049 | 0.039 | 0.049 | 0.05 | t | 69289 | VKPGTPAQEI | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 114196 | CKPISGHN SLFQWYR QT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.019 | -0.017 | -0.02 | t | 73741 | YEPPVVHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.017 | -0.02 | t | 73741 | YEPPVVHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 107758 | AWNCCVK QTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 107758 | AWNCCVK QTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.009 | t | 107878 | GWVAMH PQGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.027 | t | 22620 | GTDGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.027 | 0.02 | t | 136003 | TRKDINTV TTVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.02 | t | 137425 | KFP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.011 | 0.021 | 0.02 | t | 46867 | PAN | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | -0.006 | t | 15968 | FGDSYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.021 | 0.02 | t | 55967 | RSSSGCVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.029 | 0.04 | 0.04 | t | 43157 | NAGTSL | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.045 | 0.053 | 0.061 | t | 102880 | VDELD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.023 | 0.02 | t | 76350 | YVLLSEKKI S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.007 | -0.012 | t | 95979 | VPQPPVS QFHIQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.019 | t | 69883 | VLYQEFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.011 | t | 112672 | TAEFQMT FHLFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.01 | -0.02 | t | 114752 | AYSIEFGT NI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.026 | 0.037 | 0.04 | t | 62354 | SVTEEVVE EEGPVDEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | -0.003 | t | 47033 | PCNTRKTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 112898 | AAVKQSY AAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.034 | 0.041 | 0.039 | t | 133540 | DALVAKA QEVs | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.014 | 0.02 | 0.02 | t | 105954 | MAKFTQF A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.05 | 0.06 | 0.06 | t | 34138 | KVNIKPLE DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.007 | -0.01 | t | 10529 | DTYRYI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.01 | 0.009 | t | 74008 | YGGL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.009 | t | 74008 | YGGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.008 | 0.01 | 0.009 | t | 74008 | YGGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.009 | 0.011 | t | 133683 | RQRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.017 | 0.021 | 0.019 | t | 20725 | GKVVLPEN | MD |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.017 | 0.021 | 0.019 | t | 20725 | GKVVLPEN | MD |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.017 | 0.021 | 0.019 | t | 20725 | GKVVLPEN | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.009 | -0.011 | t | 138027 | SADFTPGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.011 | 0.01 | t | 142385 | AKTAATN AEKKKTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.007 | 0.008 | t | 115700 | CEKDERFF SD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.003 | 0.013 | 0.012 | t | 111049 | TVTLKATP NDGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | -0.001 | t | 157178 | EASNCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.006 | 0.003 | 0.01 | t | 98081 | GSVQFVPI QN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.017 | 0 | 0.001 | t | 45325 | NPDNPNN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | 0 | -0.002 | t | 100538 | SWNCDFS QTATL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.027 | 0.028 | t | 50901 | QGLRGEE MEEMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.018 | t | 117695 | YITTIAGV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.018 | 0 | 0.001 | t | 56599 | RYNLVFSG DSDRICSN RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65555 | TPEMDIPG QV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.019 | 0.02 | t | 104312 | TNMWDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.002 | 0.02 | 0.022 | t | 1187 | AETHLFTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.043 | 0.057 | 0.052 | t | 142448 | NKYRGTA GNALMDG ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.017 | -0.002 | 0 | t | 45009 | NMNLVD WLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.006 | 0.02 | 0.022 | t | 109348 | IPVDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.008 | 0.01 | t | 63420 | TEKFBKEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.03 | -0.02 | -0.021 | t | 66743 | TTNRFAKY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.038 | 0.048 | 0.05 | t | 28907 | ITGEYVQIL DAHAAY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.001 | 0.02 | 0.022 | t | 30289 | KEAESVCA PIMSKIYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 118189 | TYYIKEQKL GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.02 | 0.011 | t | 117383 | TLHKAFKG SIFVVFSI ESA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.027 | 0.03 | 0.029 | t | 74760 | YLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.054 | 0.05 | t | 10991 | EAAKYEAE DKDQVRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.012 | t | 133570 | FLPKYALS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.051 | 0.049 | 0.053 | 0.049 | t | 99176 | EDTLEEKM YACRDIG | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.008 | 0.02 | 0.02 | t | 134794 | SEATVAES DSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.02 | t | 60792 | SRRYPFVK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.003 | -0.001 | t | 64093 | THVTGGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | 0 | t | 5380 | AVILLMCA VHPTLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 133537 | CLTINTTVC A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.053 | -0.05 | t | 46987 | PAVFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.006 | 0.01 | 0.008 | t | 29159 | ITYGACPK YVKQNTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.014 | -0.022 | t | 33915 | KTWGQY WQV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.028 | -0.02 | -0.02 | t | 68182 | VEFPLDITAG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.02 | t | 68182 | VEFPLDITAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.002 | 0.009 | 0.008 | t | 51463 | QLPFPQQPQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.029 | 0.04 | 0.04 | t | 66707 | TTLPKGIFYAEGSRGG | Macaca cyclopis |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.029 | 0.04 | 0.04 | t | 66707 | TTLPKGIFYAEGSRGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0 | 0.003 | 0.011 | 0.009 | t | 137867 | GEIKFEAVEGAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.023 | 0.03 | 0.031 | t | 138862 | KFPED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.02 | t | 113091 | MESALDQLKQFTTVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.03 | 0.032 | t | 22639 | GTEKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 94553 | IFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.01 | 0 | 0 | t | 48714 | PNVDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 15355 | FCVQPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.021 | -0.001 | 0.002 | t | 153174 | YTVDVKNKRTFLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.018 | 0.033 | 0.031 | t | 107242 | SQTTANPSCPEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.029 | 0.04 | 0.04 | t | 94473 | CNPACGPKYS | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0.003 | 0.002 | t | 38654 | LPQLGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.014 | t | 159204 | VYNDVEK WKSDYKY FP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.023 | 0.021 | t | 107166 | GPPGPQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.023 | 0.018 | t | 55048 | RNQE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.023 | 0.03 | 0.028 | t | 122906 | SRPSESNG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.033 | 0.047 | 0.041 | t | 104569 | MASPGSG FWSFGSE DGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.017 | -0.021 | t | 138807 | RLQGISPKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.033 | 0.03 | t | 32683 | KPDYEPPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0.001 | 0 | t | 58742 | SIVTAPFQ VK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.007 | 0 | -0.002 | t | 125246 | RRQPHVM S | Macaca fascicularis |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.037 | 0.03 | t | 126227 | HNNAHY VFEEQED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.05 | 0.04 | t | 114987 | YANTTSED GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.026 | -0.008 | -0.007 | t | 98930 | PFRPQQPY PQPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.043 | 0.051 | 0.05 | t | 150964 | AIDEITNKV NSVIEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 159282 | EENW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.039 | 0.04 | t | 123441 | LLEYLGEEY | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.033 | 0.04 | 0.039 | t | 55248 | RPPETTTI | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 48819 | PPLGNWFG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 48819 | PPLGNWFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.02 | 0.029 | 0.029 | t | 78687 | IRVRKRKGSNKKAEDTLED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | 0.003 | 0.001 | t | 99137 | DDTFTV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 153865 | PETTDLYCY | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.014 | 0.009 | t | 47593 | PFVQWFVGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 72087 | VYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | 0 | -0.009 | t | 117383 | TLHKAFKGSIFVVFDSIESA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.01 | 0.008 | t | 70388 | VPNLRGDLQVLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.028 | 0.041 | 0.04 | t | 142415 | EVAKAEVLNAEVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 121966 | VFRFSFVPV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.01 | t | 117333 | MVTSTITEKLLKNLVKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.032 | 0.03 | t | 17531 | FQSFPSPGEPNSKLSGFFQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.011 | t | 107758 | AWNCCVKQTP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.011 | -0.01 | t | 8880 | DKHIEQYL KK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.03 | 0.04 | 0.04 | t | 55248 | RPPETTTI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.01 | 0.01 | t | 95663 | PKYVKQNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.013 | 0.009 | t | 158947 | LDIDIDPKV KVATLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.011 | 0.023 | 0.023 | t | 57654 | SETQKSQN Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.017 | 0.009 | t | 96808 | QVKSGTIF DN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 138257 | VLTVLHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.03 | 0.039 | 0.04 | t | 14358 | ETEFSKLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | 0.003 | 0.001 | t | 107062 | AEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.022 | t | 77841 | AYDFLYNY L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 68399 | VEVPGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.009 | 0.011 | t | 56699 | SAAFYYRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.007 | 0.021 | 0.02 | t | 67167 | TVSSNGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.007 | t | 111966 | YKSNNIAR MRLYDPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | -0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.01 | t | 156799 | VYATRSSA VRLRSSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.02 | t | 132715 | VEEFSPSIA REIYEMY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.037 | -0.023 | -0.02 | t | 55935 | RSQRQLLQ W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.01 | 0.019 | 0.02 | t | 7817 | DDLDDKC KNDGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.008 | 0.01 | t | 36315 | LGSAYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.027 | 0.02 | t | 131955 | LPHGNALV RYSSKEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.019 | -0.032 | t | 14013 | ERKRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.033 | 0.03 | t | 149116 | SYAAVAS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 18039 | FTPGPSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 25624 | IDLTKNA AKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.019 | t | 95047 | VEVPGSQ HIDSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.019 | t | 95047 | VEVPGSQ HIDSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.035 | 0.03 | 0.03 | t | 41573 | MGFSYD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.03 | t | 41573 | MGFSYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.013 | 0.001 | 0 | t | 21606 | GPEKAFRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.032 | -0.023 | -0.022 | t | 105044 | YQFVDCG DSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.038 | 0.049 | 0.05 | t | 9108 | DLGTTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.011 | 0.01 | t | 142407 | DKTIAAAK KAKKARE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.021 | 0.019 | t | 130457 | CRQPGNN YC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | t | 119575 | EWESTYSIL G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.026 | 0.037 | 0.03 | t | 123851 | WTEVSEV ATEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 31521 | KKEFLNSY EDEFSSSE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.017 | -0.021 | t | 144600 | CQREFALK HL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 69828 | VLVLFGFF TLSPWY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.018 | -0.011 | -0.01 | t | 110932 | LNLKIDGL KISV | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0.002 | 0 | t | 135941 | ITTQECAN VVVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.065 | -0.052 | -0.05 | t | 50350 | QAQYNQ MHML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.018 | 0.029 | 0.03 | t | 72544 | WHLKSIG QLVIE | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.021 | 0.02 | t | 142385 | AKTAATN AEKKKTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 104254 | SPFLKAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.02 | t | 150200 | FGEHKQEK DLEYGAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.001 | 0.011 | 0.01 | t | 67444 | TYRATYQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.018 | 0.03 | 0.03 | t | 144611 | DFNGSFD MNGTITA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.013 | -0.01 | t | 53152 | RALLGLAV CLFLMALC T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.039 | 0.053 | 0.053 | t | 45571 | NQITSALS TQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 75202 | YNPLLKET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 159283 | EGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.02 | 0.03 | 0.03 | t | 13354 | EMDKID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.015 | t | 19264 | GEFMFDF DGDEIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.007 | 0.01 | t | 34132 | KVNDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0 | 0.01 | 0.01 | t | 120402 | ALKASGLV PE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 120402 | ALKASGLV PE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.012 | t | 135970 | PPGMRPP MGPMGIP P | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | t | 9980 | DRGYISQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 62830 | TAEGRAIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0.002 | 0.003 | t | 98930 | PFRPQQPY PQPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.075 | 0.077 | 0.068 | t | 118289 | DEKKEESE ESDDDMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.016 | 0.024 | 0.029 | t | 38294 | LNPDLQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.019 | -0.01 | -0.01 | t | 113993 | VHTGFGA MDFTTLQ | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.019 | -0.01 | -0.01 | t | 113993 | VHTGFGA MDFTTLQ | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.019 | -0.01 | -0.01 | t | 113993 | VHTGFGA MDFTTLQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.022 | t | 79748 | AIFTKPKA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.022 | t | 79748 | AIFTKPKA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.013 | -0.012 | t | 50833 | QGASVDK R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.013 | -0.021 | t | 144700 | KEWAKRA ALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.02 | 0.022 | t | 48774 | PPFFLVQE KGI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.01 | -0.01 | t | 29802 | KAFRELAD | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 11481 | EDYPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.029 | 0.033 | 0.029 | t | 99264 | GAKEPY | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.01 | t | 30704 | KDFDKSK VKENSY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.013 | 0.011 | t | 107109 | EFRHDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 27421 | ILYEA FDEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.02 | 0.033 | 0.03 | t | 51078 | QIHTLN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.019 | t | 69883 | VLYQEFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.003 | 0.023 | 0.022 | t | 96537 | LDQAAKD AKSAGVN VVQDA | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.011 | 0.021 | 0.021 | t | 110808 | DLYCYEQL NDSSEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23221 | GVYLLPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.024 | t | 108382 | GGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.031 | 0.04 | 0.04 | t | 100555 | THQDEIYE QV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.033 | 0.03 | t | 39472 | LSKYTINP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.008 | 0.01 | 0.009 | t | 105805 | GAGIGWG ID | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.035 | -0.02 | -0.02 | t | 102912 | VPKVTKEK PTPPVKPT APTK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.018 | -0.01 | -0.012 | t | 153392 | GNTLQCI MLVYCFLG YCC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.041 | 0.038 | t | 106633 | LVFFAED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.041 | 0.038 | t | 106633 | LVFFAED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 138257 | VLTVLHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 107378 | GELP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.035 | -0.02 | -0.02 | t | 53864 | RGFLGRM LF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.028 | t | 22494 | GSRYPGQ GSPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.013 | 0.01 | t | 117653 | TLESLPAPE TSVYFCA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.021 | t | 69883 | VLYQEFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 110996 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.034 | 0.052 | 0.053 | t | 99042 | VLQQSTY QLLQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.017 | -0.023 | t | 120612 | IFNLFSTKD SSAAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.02 | -0.028 | t | 96211 | EDKKRKEE EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105855 | GVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.052 | 0.048 | t | 118133 | SESQTLDK VYQM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.01 | 0.023 | 0.03 | t | 65421 | TNSGINNS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | -0.002 | t | 11819 | EENVEHDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.02 | t | 105078 | AFNHFGIQLVQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.01 | t | 111722 | RGLPRYFNVTLRKRWV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.016 | 0.027 | 0.03 | t | 30212 | KDLVFTKE NTIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.038 | 0.051 | 0.05 | t | 142440 | LDISPESAD NITSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.033 | -0.033 | -0.032 | t | 111212 | DQIKVSTAI DLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.033 | -0.033 | -0.032 | t | 111212 | DQIKVSTAI DLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.003 | t | 45013 | NMPASMK RVRIE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.003 | t | 33215 | KRRLRPSR VRIE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.018 | 0.018 | t | 106595 | LDGETKTG PQRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.009 | 0.001 | 0 | t | 7355 | CYDLSCNQ TVCQ | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.009 | 0.001 | 0 | t | 7355 | CYDLSCNQ TVCQ | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.004 | -0.026 | -0.021 | -0.031 | t | 106906 | THWQGVY WVGATPKA | Maccullochella macquariensis |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.027 | 0.06 | 0.067 | t | 102093 | STGSSDV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 58742 | SIVTAPFQ VK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.048 | t | 118864 | KIPPTPFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.014 | 0 | 0 | t | 51942 | QPQRPFQ QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.041 | t | 131762 | YAASSYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.022 | 0.02 | 0.018 | t | 100034 | FFAEDVGS NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 146019 | TCPPDIIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.023 | -0.013 | -0.01 | t | 31638 | KKMSQFID KKFIPLVFI TLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.034 | 0.052 | 0.053 | t | 98941 | PQYSQPQ QPISQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | -0.003 | -0.002 | t | 14109 | ESAFNKAL NECT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.019 | 0.02 | t | 125400 | ELLKLLIEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.01 | 0.003 | 0 | t | 6073 | CCRGRCN KKGEQVG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.017 | 0.01 | t | 115619 | IRALVGDE VELP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.02 | -0.009 | -0.01 | t | 30041 | KCAFATTP VCQF | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 63236 | TDSPGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.05 | 0.05 | t | 135990 | SASVPALT AVET | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0 | 0.013 | 0.02 | t | 128146 | WSVCVGL TTYVNDYV LPYLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.049 | 0.048 | t | 42277 | MPHKLEK ADLLKAIQ EQLIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.03 | t | 48876 | PPPQAPY QGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.01 | t | 123612 | PPGMIPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.022 | -0.01 | -0.01 | t | 37626 | LLNQLAGR | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.028 | 0.037 | 0.04 | t | 82932 | GTNVELG GRLSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.013 | 0.012 | t | 134185 | PLQKTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.033 | 0.03 | t | 72466 | WGENDTD VFVLNNTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 159294 | QPLWLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.003 | -0.002 | t | 106691 | NTFWASD LMH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.039 | 0.03 | 0.024 | t | 46084 | NTEPSQLP PTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.046 | 0.041 | 0.039 | t | 8329 | DFVEGV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.063 | -0.05 | -0.05 | t | 55639 | RRLGAALL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.037 | -0.023 | -0.028 | t | 144594 | ARGISRTK YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.005 | 0.008 | 0.017 | 0.02 | t | 42655 | MSRSER | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.039 | 0.04 | 0.04 | t | 122113 | IIASTEKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.061 | 0.05 | t | 118289 | DEKKEESE ESDDDMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.042 | -0.03 | -0.03 | t | 100667 | YMKPKHV RVWCPRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 30180 | KDKDKDN TDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.007 | 0.01 | 0.013 | t | 97020 | TVTRGTIS DP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0 | t | 26328 | IGTLKKILD ETVKDKLA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.013 | 0.01 | t | 30863 | KFTEPVKDI M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 108074 | PQVYTLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 108074 | PQVYTLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 108074 | PQVYTLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.06 | 0.06 | t | 119524 | SKEQV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.002 | 0.007 | 0.009 | t | 67707 | VAPFPEVF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.041 | -0.027 | -0.03 | t | 110468 | YYVLHLCL AATKYPLL KLLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 153865 | PETTDLYC Y | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.013 | 0.012 | t | 48940 | PPVADL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 1022 | AEKQKAAE ATKVAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.013 | -0.023 | t | 134679 | GGSGPQR RGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.027 | -0.032 | t | 134076 | GWLGFNK ERGHQLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.062 | -0.046 | -0.048 | t | 96239 | EKPTPPVK PT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.028 | 0.04 | 0.041 | t | 132838 | HSDLKIQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.007 | -0.01 | t | 6073 | CCRGRCN KKGEQVG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.021 | 0.019 | t | 17557 | FQYSPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.05 | 0.047 | 0.047 | t | 67323 | TYDNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.033 | 0.03 | t | 105853 | GVTHDQL N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.02 | -0.01 | -0.01 | t | 98434 | RYMDQPS RD | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 98434 | RYMDQPS RD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.024 | t | 141760 | TAPPLLPH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.021 | 0.03 | 0.03 | t | 55802 | RSASAAAI LEEDDSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 120082 | LPTDSGEK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.06 | 0.06 | 0.06 | t | 120082 | LPTDSGEK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.009 | 0 | 0 | t | 100407 | QDLLFTNQ LK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.016 | 0.02 | 0.02 | t | 71568 | VTVVTTSG S | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.02 | 0.031 | 0.03 | t | 44613 | NKVDAAV A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.02 | 0.031 | 0.03 | t | 44613 | NKVDAAV A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.009 | t | 107478 | KEYKCKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.009 | t | 107478 | KEYKCKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.033 | -0.08 | -0.07 | -0.074 | t | 12792 | EKLCVWN NKTPHAIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.001 | 0 | t | 150965 | AKSFYKNLI WLVKKG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | -0.003 | 0.005 | 0.01 | 0.009 | t | 19096 | GDRADGQ PA | Aotus griseime mbra |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.045 | -0.067 | -0.05 | -0.05 | t | 21334 | GMRFDGRG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.013 | 0.03 | 0.031 | t | 114142 | PQKSQRS QDEN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.028 | 0.04 | 0.04 | t | 140674 | ESQDPKP DELHKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.022 | -0.007 | -0.01 | t | 107092 | AVDAVIAE LKKQSKP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.053 | 0.05 | t | 149054 | GSPNFTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.057 | 0.06 | t | 42678 | MSTLQEL QENITA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.037 | 0.047 | 0.05 | t | 5206 | ATVSSQSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 104343 | VSGGPFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.006 | 0.01 | 0.012 | t | 10801 | DWEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.015 | t | 133536 | CKPVENRA C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 114224 | PQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.02 | t | 114224 | PQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.039 | -0.027 | -0.029 | t | 115483 | SFFDIGGS VSAGFSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.015 | -0.003 | 0 | t | 61760 | STLTITVNS KKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 119508 | QFIGYPI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.041 | t | 134764 | PTPGPSRR GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.02 | t | 53281 | RCIPALDSL T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 122944 | WEGVGVV PDV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.009 | 0.02 | 0.02 | t | 94178 | VSAFTSSN DS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.005 | 0.013 | 0.013 | t | 56142 | RTNPSDNS SDSNIKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.06 | 0.058 | t | 102309 | ANQTEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | 0.007 | -0.003 | t | 69265 | VKLSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.023 | 0.02 | t | 4091 | AQVIAEH QF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | 0.003 | 0 | t | 158834 | IGFASKSA DDVKKAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.013 | 0.001 | 0 | t | 19014 | GDKPSLFG QAAAGDK PSLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.011 | 0.009 | t | 103297 | IWKLIKDM LILPYLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | t | 114910 | NTTSEDGK VM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.033 | 0.028 | t | 51262 | QKTTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.04 | t | 117229 | RHGFLPRH RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.013 | 0.027 | 0.032 | t | 71199 | VSVNDPFI DLEYM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.01 | -0.011 | t | 14210 | ESMAGKR EMV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.05 | -0.036 | -0.03 | t | 49372 | PSGDRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.033 | 0.04 | 0.039 | t | 137867 | GEIKFEAV EGAV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.024 | 0.03 | 0.028 | t | 9592 | DPAKAAF DSLQASAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.01 | t | 3394 | ANQPGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.004 | 0.013 | 0.02 | t | 98122 | IQNSKSAY TP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.004 | 0.013 | 0.02 | t | 98122 | IQNSKSAY TP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.021 | 0.03 | 0.03 | t | 100406 | QDEIYEQV HS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.03 | t | 60792 | SRRYPFVK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.011 | -0.01 | t | 31787 | KLDLYGKV H | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0.004 | 0.002 | t | 96450 | KEKPTPPV KP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.029 | -0.02 | -0.018 | t | 120790 | LVPEHADA FK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.034 | -0.029 | -0.017 | -0.02 | t | 34476 | KYKDKPLY | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.017 | -0.02 | t | 66792 | TTQTKPKS AF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.067 | -0.053 | -0.06 | t | 121983 | VKGWRPR R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.041 | 0.04 | t | 62975 | TAQSTMK AEEITP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.022 | -0.009 | -0.009 | t | 88446 | SDTVQTR HVVQHRS R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.021 | 0.029 | 0.03 | t | 49450 | PSNQDSF QWQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.04 | 0.057 | 0.053 | t | 125229 | RDSEGLV AEKLGPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | -0.002 | t | 868 | AEFAFDL WNECAKA CV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.009 | 0 | 0 | t | 112442 | ACQKH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.025 | 0.043 | 0.042 | t | 119313 | QGVTAET PQASTTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0.006 | 0.002 | t | 16031 | FGPLWILQ ASLLKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.04 | 0.04 | t | 36955 | LKLYFEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.009 | t | 135566 | KCSRLYTA CVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.03 | 0.04 | 0.04 | t | 57506 | SEKSKCEE NTMFQPY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0.003 | 0 | t | 110964 | PNLKLNN GTDYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.052 | t | 127818 | SDFGKFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.024 | -0.022 | t | 123442 | LLKDLRKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.021 | t | 51428 | QLLRIPQAI MDM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.01 | -0.011 | t | 120146 | QGARVYA YVF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.011 | t | 120146 | QGARVYA YVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.003 | t | 133372 | SPSPTPTP GPSRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.023 | -0.03 | t | 121667 | NTHLKAVK MTLKNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.047 | 0.041 | t | 136547 | PGGKHNM DFYVEALA FPDTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.021 | t | 119654 | TSGVHTFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.055 | 0.061 | 0.06 | t | 19621 | GFSYDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 112753 | ARWELNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.01 | 0.01 | 0.012 | t | 74475 | YKLNIFYD LLRAKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | -0.002 | t | 126922 | REWIKFAA ACRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.008 | 0.021 | 0.022 | t | 70384 | VPNLQGV PESPFSRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.019 | 0.018 | t | 67645 | VAKETSDK Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.017 | 0.009 | t | 144746 | PTEEQVS WLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.006 | 0.019 | 0.023 | t | 50815 | QFQTQQ | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.007 | 0 | t | 145657 | YRSYNDSDV DP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0.007 | 0.001 | t | 104895 | LVEALYLV CGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.051 | 0.052 | t | 130643 | YSLLEPYT FDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.051 | 0.052 | t | 130643 | YSLLEPYT FDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.027 | 0.021 | t | 112801 | LATPNPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.044 | -0.027 | -0.028 | t | 105 | AAEFTINK PK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.055 | -0.049 | -0.051 | t | 72326 | WDQMW KCLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.045 | -0.033 | -0.03 | t | 41862 | MKLTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.007 | t | 37310 | LLGACFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.002 | t | 76606 | YYSPAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.021 | t | 69883 | VLYQEFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.038 | t | 140507 | TKTWQSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.03 | 0.03 | 0.03 | t | 114008 | VSLVEETSF I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.018 | -0.007 | -0.01 | t | 6106 | CDICTNTM DVIKML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.04 | t | 135975 | PTLAFLQD VMNI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.01 | t | 39254 | LRYLEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.01 | t | 39254 | LRYLEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.035 | 0.047 | 0.05 | t | 51279 | QLADIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.059 | 0.052 | t | 130919 | KFPEDFES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 65846 | TQGCNCSI YP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.04 | -0.042 | t | 134017 | CFHQGKEY APG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0 | 0.002 | t | 7939 | DEDKRDG N | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | -0.003 | 0.017 | 0.022 | t | 62277 | SVPEVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.002 | 0.009 | 0.011 | t | 141559 | SDEALPLG SPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.022 | -0.02 | -0.021 | t | 95034 | PKPAKSP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.021 | t | 95034 | PKPAKSP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.057 | -0.047 | -0.051 | t | 115633 | PPFSRVVH LYRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.036 | -0.057 | -0.047 | -0.051 | t | 115633 | PPFSRVVH LYRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 107064 | AGAPGFP G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.026 | -0.011 | -0.007 | t | 98976 | QYPLGQG SFRPS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.023 | -0.033 | t | 126757 | NKPLITVT NSKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.011 | t | 107698 | YNSTYRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.007 | 0 | t | 119641 | SEHETRLV AKLFKDYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 75370 | YPNQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.009 | 0.009 | 0.01 | t | 78711 | KQYDPDR P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.011 | -0.012 | t | 70134 | VNNKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.011 | t | 116682 | CHGRGTC NYYANAYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.04 | t | 57504 | SEKSEEIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.04 | t | 57504 | SEKSEEIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.011 | t | 107660 | VLHQNWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.031 | -0.02 | -0.021 | t | 93332 | LSSLQFAR AA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.063 | 0.06 | t | 149106 | SITNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.038 | 0.05 | 0.051 | t | 101363 | VEPSYEAE PT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.056 | 0.057 | 0.057 | 0.048 | t | 127754 | NTPEEKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.059 | 0.057 | 0.059 | t | 118991 | RAEDNAD TLALVFEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.008 | -0.01 | -0.012 | t | 5109 | ATPYHPPA TP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.03 | 0.03 | 0.03 | t | 58743 | SIVYEAA | MD |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.017 | -0.02 | t | 73741 | YEPPVVHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0 | 0.01 | 0.01 | t | 132827 | FSQILPSFD DETMGR | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.014 | t | 16755 | FLLTRILTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.023 | 0.037 | 0.031 | t | 20097 | GGYGDGG AHGGGYG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.015 | -0.007 | -0.01 | t | 50887 | QGIVEFYT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.041 | t | 58728 | SITTPSQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.014 | 0 | 0 | t | 51942 | QPQRPFQ QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.03 | t | 123626 | PPYMPPG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.01 | t | 79898 | LDPLVTAL LGAFD | Mus musculus |

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|---|------|---|---|------|--------|--------|--------|--------|---|--------|-----------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.014 | 0.009 | t | 120060 | LGSSERR ALQDSQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.03 | 0.04 | 0.041 | t | 57542 | SELSQLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | -0.001 | t | 136080 | RAGTDEGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | -0.001 | t | 124604 | QIERDTER DRFLSAPE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.018 | t | 72911 | WNSTTFH QTLQDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.018 | t | 72911 | WNSTTFH QTLQDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 50823 | QFYQKFP QYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.049 | 0.059 | 0.06 | t | 66084 | TRQELANK QQESKENE KAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 117509 | GQIPPGAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.013 | 0.013 | t | 58582 | SIKEDVQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.028 | 0.039 | 0.04 | t | 30939 | KGGKGTEEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 134773 | QKSTHLLIR KLPSFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.009 | 0.008 | t | 2133 | AIYGAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.02 | 0.013 | t | 141638 | EIHSKTKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.003 | -0.002 | t | 18955 | GDDPLLGNQSL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.01 | 0 | 0 | t | 131874 | EVFISAPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.06 | 0.058 | t | 102310 | ANQTEVE M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 34278 | KVYVGNY DF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.053 | 0.05 | 0.047 | t | 78938 | CAPGQNL CY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 149049 | FTPQMVR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.076 | -0.084 | -0.077 | -0.08 | t | 134143 | LMPPKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.021 | 0.02 | t | 142413 | EIAAEVAK AKVAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.047 | 0.05 | 0.051 | t | 102880 | VDELD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 137407 | GPEYWDG ETRKVKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.007 | -0.003 | -0.001 | t | 130464 | DFRVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 125176 | NNSTGDFE L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.03 | 0.029 | t | 122876 | PSPDSKPT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.013 | -0.012 | t | 116040 | YQQKPVA LIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.023 | -0.031 | t | 121267 | ERMERKR REK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.043 | 0.053 | 0.05 | t | 131657 | SGLQAEDE ADYYCSSY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.029 | 0.03 | t | 55048 | RNQE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.027 | -0.023 | -0.03 | t | 119654 | TSGVHTFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.011 | t | 138027 | SADFTPGT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.033 | 0.03 | t | 11377 | EDLDGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.013 | 0.003 | 0.002 | t | 75392 | YPQPQPFRPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 143676 | DRVGLRNLRGYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.059 | t | 143362 | ETPLMKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.059 | t | 143362 | ETPLMKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.007 | t | 108075 | PREPQVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.034 | -0.04 | t | 10987 | EAAGIGILT V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.043 | 0.051 | 0.05 | t | 137858 | FTPGTEYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.012 | t | 76606 | YYSPAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.009 | -0.01 | -0.012 | t | 76606 | YYSPAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.012 | 0 | 0 | t | 141792 | YYLWKQY NPTGKGID D | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.007 | -0.006 | -0.002 | t | 148481 | YTRDLVYK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.027 | -0.01 | -0.009 | t | 69233 | VKGSSIAA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.027 | t | 138088 | WLDLSKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.045 | 0.043 | 0.039 | t | 138765 | EEIKMDISK LNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.086 | 0.087 | 0.09 | 0.09 | t | 141004 | EPDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.01 | 0.017 | 0.018 | t | 11190 | EASQAAD ESERMKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.02 | 0.011 | t | 117383 | TLHKAFKG SIFVVFDSI ESA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0 | 0.008 | 0.01 | 0.01 | t | 42655 | MSRSER | Marmota monax |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 26339 | IGVKGSSI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.023 | 0.027 | 0.028 | t | 50677 | QEQIKGEE VREL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0.001 | t | 132098 | TLLLEGVMA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.02 | t | 141638 | EIHSKTKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.006 | 0 | -0.001 | t | 105891 | KADPSIMA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.01 | 0.01 | t | 59376 | SLNVLFDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.009 | t | 134702 | KEKKYS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.027 | 0.018 | t | 132044 | RLRKWTT VDSISVNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.023 | -0.022 | t | 115694 | AVPYPQR DMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.008 | t | 59222 | SLKLESSCN FDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 119678 | YKCKVSNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.031 | 0.029 | t | 97598 | RDLLKKG VDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.031 | 0.029 | t | 97598 | RDLLKKG VDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.03 | -0.02 | -0.021 | t | 6762 | CPFIKPEVK PGTPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.029 | t | 69312 | VKSASPHG ESNSSEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.018 | -0.01 | -0.01 | t | 110971 | PVSDLNLKI DGL | Macaca |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.005 | 0.008 | 0.017 | 0.02 | t | 42655 | MSRSER | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.01 | 0.01 | t | 100244 | LANAYSHF YDGFAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 9278 | DLSLLGKA RKVVVTKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 95934 | TTVRIVDQ CS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 135912 | EALVLDTN GLMS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.042 | -0.026 | -0.028 | t | 96239 | EKPTPPVK PT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.011 | 0.01 | t | 61473 | SSWPKLEQ F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71343 | VTGSVVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.05 | -0.027 | -0.027 | t | 141713 | NGTDRKTI RQLVWDA M | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.028 | -0.02 | -0.022 | t | 2215 | AKKPAGK GSPSTLQT PG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.009 | t | 110872 | GSGSTANL ASSNYFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.027 | 0.02 | t | 127935 | ARLSAKPA PPKPEPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.022 | t | 48819 | PPLGNWF G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.05 | 0.05 | 0.051 | t | 134028 | DDTIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.037 | 0.029 | t | 51852 | QPHDLGK VGEVIVTK D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.007 | 0.001 | t | 114013 | VVHFFKNI VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0 | 0.013 | 0.02 | t | 128152 | YIFSEEAQ VKDVPVVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | -0.006 | t | 54707 | RLPRYMQ EV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 79524 | CHTTATIPS SAVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 79524 | CHTTATIPS SAVTC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 79524 | CHTTATIPS SAVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 79524 | CHTTATIPS SAVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | -0.001 | 0 | t | 133725 | TVCTYRDF MY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.019 | t | 46786 | PAEVTQLK GLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.011 | t | 135506 | VTFPGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.046 | 0.053 | 0.052 | t | 105753 | ELPNIEAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.04 | t | 115671 | AAMEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 141895 | FKYPEIEKY EVDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 141895 | FKYPEIEKY EVDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 134257 | VKSTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 64640 | TKPTDGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 64640 | TKPTDGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | 0 | t | 6317 | CGMFTGL FNQGAQQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.009 | t | 137402 | FIDSYICQV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | -0.004 | t | 133697 | SITTANPSS FNKY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.017 | -0.02 | t | 47983 | PISLERLDV GTNLGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.011 | t | 135905 | CLFDRRLC SHLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.015 | 0.027 | 0.02 | t | 136087 | VETDKATV GF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.046 | 0.047 | 0.047 | 0.04 | t | 127646 | EYNIMFGP DI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.023 | -0.022 | t | 114997 | YTNDCLLC AY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.059 | 0.063 | 0.058 | t | 47267 | PEEFEGAG DGEPPED DDSAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.011 | t | 12625 | EKAFREL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 138623 | SKFGGFDP QG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 21990 | GRAIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 67272 | TWKSKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.011 | 0.011 | 0.009 | t | 99208 | EKMYAC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.013 | -0.02 | -0.025 | t | 123014 | AIMRYIAD K | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.01 | t | 49405 | PSIPSRAAT L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.003 | 0.01 | 0.01 | t | 21720 | GPPAAEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.018 | 0.031 | 0.03 | t | 142472 | SATAAETA KNNAVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | -0.003 | -0.002 | t | 50696 | QESLLKAN IQLVEKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 107520 | LTVLHQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0 | 0.01 | 0.01 | t | 37354 | LLGNQSSL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.003 | -0.01 | t | 121034 | VHPDTGIS SKAMGIM N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.04 | 0.032 | t | 106647 | MHLTTNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.018 | 0.031 | 0.03 | t | 70384 | VPNLQGV PESPFRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.033 | 0.04 | 0.039 | t | 55248 | RPPETTTI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.013 | 0.01 | t | 63694 | TFKSGATF QV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.008 | 0.01 | t | 800 | ADYHRVM Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.042 | 0.04 | t | 142150 | EYMLDLQ PETTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.032 | t | 134782 | RGRGRGG PRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.01 | 0.01 | t | 75532 | YQPQQPF PQP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.021 | 0.021 | t | 29939 | KASAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.013 | -0.021 | t | 122392 | HARLRDSG RAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.007 | 0.008 | t | 106898 | TFWASDL MHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.03 | 0.03 | t | 8800 | DITKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.041 | 0.038 | t | 106941 | TVKQLYTL YPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.006 | -0.011 | t | 30945 | KGGRKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.01 | 0.011 | t | 41713 | MIHFGND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.008 | -0.01 | -0.012 | t | 122320 | DVTVGPLI FL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 58769 | SIYQCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.013 | 0 | 0 | t | 21606 | GPEKAFRE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.013 | 0 | 0 | t | 21606 | GPEKAFRE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.009 | 0.01 | t | 48107 | PKNTLTPL EELYPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.004 | 0.009 | 0.01 | t | 48107 | PKNTLTPL EELYPT | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.003 | 0.009 | 0.012 | t | 1445 | AGAKSAIL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.011 | 0.009 | t | 3127 | AMKPDLQ NTLMAVPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.001 | -0.005 | 0.01 | 0.012 | t | 95142 | RIKNTDGSI S | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.005 | 0.01 | 0.012 | t | 43509 | NDPNRNV D | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.065 | -0.053 | -0.05 | t | 50350 | QAQYNQ MHML | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.029 | 0.04 | 0.04 | t | 78937 | AYSDDFFV GRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105850 | GTAPFEIH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.063 | 0.06 | t | 149113 | STPNVTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.037 | -0.02 | -0.018 | t | 58906 | SKNLAPI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.019 | t | 3881 | APTYSWGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.005 | 0.003 | 0.008 | t | 104051 | LPSDPIGG KSNMHFM NTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.01 | t | 66004 | TRCFDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.013 | -0.022 | t | 124061 | ELERIRRSIL PYGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.018 | 0.01 | 0.006 | t | 141053 | LTPDTQYE FQVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 79215 | FNPVYP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.079 | -0.067 | -0.07 | t | 115540 | VKNKRTFL SPWISNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.005 | 0.01 | 0.01 | t | 65026 | TLQNQGA W | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | -0.001 | t | 118060 | PPPGMRP P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | -0.001 | t | 117245 | VTWEVLE GEVEKEAL KKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | -0.001 | t | 117302 | GSGKGKV QFQGKKT KFASDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | -0.001 | t | 117300 | GSGKGKV QFQGKKT KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.03 | -0.017 | -0.02 | t | 52107 | QQPQRPF AQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.05 | 0.061 | 0.06 | t | 80885 | DADIGNEY DQVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.007 | -0.01 | t | 6073 | CCRGRCN KKGEQVG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.01 | 0 | 0 | t | 132826 | FPEDLGNK SWQAYVV | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.006 | 0.012 | 0.012 | t | 98956 | QGSVQPQ QLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 110104 | WQEGNVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.011 | t | 120146 | QGARVYA YVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.01 | -0.011 | t | 120146 | QGARVYA YVF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | t | 115291 | ILDKVGINY W | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.015 | 0.027 | 0.02 | t | 136087 | VETDKATV GF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.017 | -0.02 | t | 137132 | DINCFRPH GVSA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.04 | 0.039 | t | 43575 | NEDNEKLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.009 | t | 144594 | ARGISRTK YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.052 | -0.047 | -0.051 | t | 7559 | DAKFRPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117614 | QGFPFYDK PMRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.017 | 0.01 | t | 2039 | AINPESDQ PDLSNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.03 | -0.04 | t | 115943 | RINKKIEKF Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.011 | 0.008 | t | 34639 | KYVTGIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.016 | 0.033 | 0.032 | t | 95611 | NDPTTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.011 | -0.012 | t | 151073 | YEDVNGIR K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | t | 23630 | HDKNNSDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.008 | t | 122094 | FLALDVPTI GLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.068 | 0.073 | 0.071 | t | 123731 | SEESAEVA TEEV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.009 | 0.02 | 0.02 | t | 20562 | GKFLEGA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 20562 | GKFLEGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.044 | 0.05 | 0.05 | t | 54504 | RLDGTTLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.011 | 0.02 | 0.02 | t | 90069 | VKASAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.011 | 0.019 | 0.02 | t | 41143 | MATAGVA AVVKRKEEN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.002 | 0.009 | 0.011 | t | 141560 | SDEALPPG SPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.044 | -0.03 | -0.029 | t | 94513 | FHPDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.022 | -0.007 | -0.01 | t | 47710 | PGNKPRIEM | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.005 | 0.01 | 0.008 | t | 65238 | TMPFSPDF SNVD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.013 | 0.009 | t | 63165 | TDHAGSN DNIALLVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.036 | 0.037 | 0.037 | t | 25997 | IETWNPN NQEFECAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.037 | -0.04 | t | 108976 | FPGARGPP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.012 | -0.009 | -0.011 | t | 38404 | LPALSTGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 130806 | EMDVVRF DD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.041 | -0.037 | -0.041 | t | 99389 | KMYACR | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.003 | -0.012 | t | 124198 | GLLFGLIAL AEEVRKLK AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.022 | t | 77842 | AYIDFEMK I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.039 | -0.03 | -0.03 | t | 25414 | IARLTDKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.039 | -0.03 | -0.03 | t | 25414 | IARLTDKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.057 | t | 118373 | GIEADDDR LNKWISE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.017 | 0.018 | t | 23562 | HASARQQ WEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 123522 | MTQAPRI M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.012 | -0.01 | -0.013 | t | 14899 | EVVLQNR RGLDLL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.013 | t | 14899 | EVVLQNR RGLDLL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.013 | t | 14899 | EVVLQNR RGLDLL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.013 | -0.02 | t | 117300 | GSGKGKV QFQGKKT KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.04 | -0.027 | -0.03 | t | 20663 | GKPVVQTI LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.014 | 0.02 | 0.021 | t | 9591 | DPAKAAF D | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.033 | 0.038 | t | 144641 | FFENKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0.004 | 0 | t | 35006 | LAVLLGAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.012 | t | 120646 | ITEHEGEIGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.035 | -0.02 | -0.02 | t | 52186 | QRANLGA FQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.021 | t | 120173 | RLMRYWA NFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 131100 | TDSEMDV VRFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.02 | 0.018 | t | 29567 | IYDKLTVQ TTG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.023 | -0.02 | -0.02 | t | 139855 | PSAFHFL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135507 | VVGAGP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.03 | 0.03 | t | 94621 | NPACGPK YSC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.029 | 0.03 | t | 22783 | GTPLDIDT ASESS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 134418 | KGAIIGLM VGGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 138194 | IIPKSSWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 99922 | DAEFRHDSGY | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 115652 | SSRISYWTIVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 115630 | NFDKLYIWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 99922 | DAEFRHDSGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 113193 | TGEIKALAGCDFLTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 8473 | DGQPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.003 | t | 34965 | LASLRKAFADTVPVRPSPNY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.003 | t | 28075 | IPSTAFTDI AWWRLPNHY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.001 | 0.01 | 0.009 | t | 123282 | HACQKKLLKFEALQQE EGEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.019 | 0.02 | t | 56788 | SAFVFPTKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.063 | 0.06 | t | 149103 | SGPNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | 0.003 | 0 | t | 95092 | GYQKTVDHTKVNSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.011 | t | 130454 | CLFPNNSYC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.006 | 0 | t | 109175 | GPEGAQGP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.037 | 0.031 | t | 136546 | PFGPVIINGRCCLEEKVCSLL | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.009 | t | 97331 | GFLKLNIG D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.02 | t | 105076 | AFNHFGE GLMQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.033 | 0.03 | t | 142316 | TTDLICYE QLND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.046 | 0.047 | 0.037 | t | 2039 | AINPESDQ PDLSNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 133156 | IRLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.011 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.056 | 0.053 | 0.05 | t | 67967 | VDGSDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.013 | 0.03 | 0.032 | t | 97023 | VATRSQTD TSEKDC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 151763 | WYRATHQ E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 143676 | DRVGLRNL RGYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 140701 | LNEDLRS WTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 140730 | QFAYDGK DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 143687 | FRVNLRTL RRYY | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 137866 | GDTRPRFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 140665 | DTAAQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 137962 | RDSPEDFV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133622 | KPGDPSAL HVVRCWI C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133528 | CADQKPG EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133535 | CKPGEVQ QC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133531 | CDTLKPGE C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133580 | GFLSSCNF RFCELV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133642 | MCPEMS FVAVHSCA R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133542 | DGRRDVV VRSATFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 122749 | EIIGFGQEL KNPQEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133536 | CKPVENRA C | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133538 | CNKPGERT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 117520 | GSFSDADL AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 117506 | GGAHFSVS SLAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 125136 | LGSISESRR ALQDSQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133623 | KPGEMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97287 | ETPLTETAL KWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97252 | DTPLTTAA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97594 | QTPLTETA LKWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97595 | QTPLTMA ALELF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 57542 | SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 57542 | SELSQLS | Mus musculu s |

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|---|------|---|---|------|--------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 30173 | KDILEDER AAVDTYC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 30200 | KDLLEQKR AAVDTYC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 28589 | ISLNFENYV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 10433 | DTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 10908 | DYKDDDD K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.004 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.013 | 0.01 | t | 78839 | SRNLGKVI DTLTCGFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.041 | 0.047 | 0.04 | t | 133822 | ERPLKQIA FNGGLEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.047 | 0.041 | t | 125201 | PPQTEHIE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | t | 10496 | DTTIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.026 | 0.02 | t | 41948 | MLGNAPS VVPNTTLG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.014 | 0.02 | 0.02 | t | 84184 | KASAEG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.014 | 0.02 | 0.02 | t | 84184 | KASAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9611 | DPDKDVDI MV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 48778 | PPFSLSPV PTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.01 | 0.01 | t | 133952 | WIFQNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.015 | -0.01 | -0.009 | t | 41665 | MHLPATIG DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.005 | t | 25140 | HWSYGLR PG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.029 | -0.032 | t | 79042 | PKSKPFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.029 | 0.033 | 0.029 | t | 99279 | GHPQEI | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.048 | -0.04 | -0.042 | t | 111052 | VKSEKDST NNNKYTV TLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.048 | -0.04 | -0.042 | t | 111052 | VKSEKDST NNNKYTV TLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.022 | 0.029 | 0.03 | t | 39708 | LSTLSYLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.078 | 0.068 | 0.073 | 0.08 | t | 134794 | SEATVAES DSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.011 | t | 55263 | RPPPAPCL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.09 | 0.092 | 0.083 | 0.097 | 0.091 | t | 136499 | LVNCDRD NLESSAM DCEDDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.033 | 0.029 | t | 130608 | SIDLKDKYK NIGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.045 | -0.03 | -0.029 | t | 136080 | RAGTDEGF G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.01 | -0.02 | t | 98869 | LEKFDKAL KA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.017 | -0.01 | -0.008 | t | 88382 | SATAIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.008 | t | 136081 | RTTLQSDQ EEIDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 107702 | YVDGVQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.033 | 0.043 | 0.04 | t | 71548 | VTVDDVH KACERFEQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 122465 | LKRDMKS AHLLEPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.004 | -0.011 | t | 55581 | RRGPRLGV RATRKTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.004 | -0.011 | t | 55581 | RRGPRLGV RATRKTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.027 | 0.03 | t | 25538 | IDANDCLV TPSVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.03 | 0.03 | t | 48990 | PQEIPQPQ | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 131772 | YPGAVTV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.019 | t | 138081 | VTENTNGL KTML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.006 | 0.013 | 0.02 | 0.019 | t | 138081 | VTENTNGL KTML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 94472 | CNPACGP KY | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 94472 | CNPACGP KY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.009 | 0.02 | 0.02 | t | 94472 | CNPACGP KY | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 40123 | LTPRPIIHA V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 118783 | EIIVTHFPF DEQNCSM K | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.021 | 0.029 | 0.029 | t | 61007 | SSFSSYGEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.023 | 0.02 | t | 125565 | STDDYASF SRAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.01 | -0.01 | t | 65252 | TMQYVD MI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.007 | 0.007 | 0.011 | t | 117451 | DDGFFYIP KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.012 | 0.019 | 0.02 | t | 57292 | SDSSFFSY GEIPFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.007 | 0.01 | t | 47969 | PIQPQQPF PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 119678 | YKCKVSNK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.01 | t | 119678 | YKCKVSNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 104771 | FA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.03 | t | 57766 | SFFSYGEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.01 | 0.001 | 0 | t | 155744 | SAHSTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.048 | 0.053 | 0.052 | t | 99737 | TVKVG D | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.01 | t | 133787 | CQALVRMLAKKPGWK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.011 | -0.001 | 0 | t | 26328 | IGTLKKILD ETVKDKLAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13525 | ENMYRYPNQVYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.006 | 0.003 | 0.017 | 0.021 | t | 115640 | QKSQRSQDEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.003 | 0.017 | 0.021 | t | 115640 | QKSQRSQDEN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.017 | 0.01 | t | 126201 | GYKEKSKFQDTHNNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.041 | 0.04 | t | 61157 | SSLGNGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0.005 | 0.007 | 0 | t | 108921 | EPQVYTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.027 | 0.032 | t | 623 | ADALLEKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.011 | -0.009 | -0.012 | t | 73770 | YETGWGCNPPDC | Myodes glareolus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.017 | -0.02 | t | 25094 | HVSPTHYV P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.041 | 0.04 | t | 49214 | PRLLYDEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.056 | 0.06 | 0.06 | t | 11927 | EEVVGEEK LVSEEIVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.022 | t | 108227 | YIHEGLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.024 | t | 28589 | ISLNFENYV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.054 | 0.05 | t | 133776 | AGDLSKVD AKQPGDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.01 | t | 136070 | KTNLIVNY LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.014 | -0.02 | t | 109751 | QGPRGEP G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.029 | 0.027 | t | 9585 | DPAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 108104 | RRLPFGSQ M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.033 | 0.03 | 0.03 | t | 49878 | PVGTPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.03 | 0.03 | t | 49878 | PVGTPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.051 | t | 10320 | DTDSGYD VPDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.023 | 0.03 | t | 107784 | DGSFFLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.016 | 0.019 | 0.02 | t | 71568 | VTVVTTSG S | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | 0.003 | 0 | t | 95087 | GPIKNKMS ESPNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.041 | 0.05 | 0.05 | t | 100635 | VTNYLVDG NG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.037 | -0.029 | -0.03 | t | 72236 | WAKHMW NFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.001 | t | 39980 | LTIVSGGP TLFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.001 | t | 39980 | LTIVSGGP TLFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.019 | 0.033 | 0.031 | t | 142141 | EIDGPAGQ AEPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | -0.003 | -0.002 | t | 102271 | YYNSLGFN IK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.01 | t | 78424 | IPRSRQIDL QIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.05 | 0.05 | t | 50872 | QGGNIVDI DFDSVP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.003 | 0.01 | 0.008 | t | 153904 | VVEQLGH ETQIHQIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.031 | 0.028 | t | 70946 | VSGDPRG RYEDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.034 | 0.03 | t | 120167 | RFQSSAV MALQEAC EAYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.022 | -0.009 | -0.01 | t | 1022 | AEKQKAAE ATKVAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.004 | -0.01 | t | 118384 | GMKFDRG YISPYF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.012 | 0.024 | 0.03 | t | 49046 | PQPELPYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.036 | 0.04 | 0.04 | t | 94484 | DDYRQK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.007 | -0.01 | t | 60752 | SRPGLKPD LTGTSKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.077 | 0.07 | t | 122746 | EEQEDEIIG FGQELKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.012 | 0.019 | 0.02 | t | 57771 | SFFVKDW SERIREF | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.012 | 0.019 | 0.02 | t | 57771 | SFFVKDW SERIREF | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.009 | t | 56432 | RVTTRSQA QDAAGLK EKAD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.002 | 0.01 | 0.01 | t | 140594 | RELVLAGTI | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 25627 | IDLTKNA AKLRGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.018 | t | 131686 | SYLSLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.062 | 0.07 | 0.07 | t | 106378 | EEVKTEQ KR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 64552 | TKEPGVL MGGQSES V | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.001 | -0.008 | t | 131041 | RLVGQQV MQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.032 | t | 55232 | RPMIHF | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.037 | 0.029 | t | 51852 | QPHDLGK VGEVIVTK D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.033 | -0.021 | -0.021 | t | 144798 | TKYTMM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.005 | 0.009 | 0.01 | t | 71163 | VSTQSAKN PPGATVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.04 | t | 135975 | PTLAFLQD VMNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 131769 | YDSYAIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78504 | RLFLHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | -0.001 | t | 20064 | GGVATY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.039 | 0.047 | 0.05 | t | 78104 | APPASEQE T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.011 | t | 55263 | RPPAPCL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0 | 0.01 | 0.011 | t | 127847 | SYNSTADE WLPV | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.019 | 0 | 0.002 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.019 | -0.022 | t | 141580 | YIGVAPRK AIPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.073 | 0.08 | 0.08 | t | 105803 | GAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.014 | -0.01 | -0.01 | t | 141953 | LTACKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.017 | 0.011 | t | 132683 | SRyderPG PS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.013 | 0.009 | t | 1199 | AETRLNPD LQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 104161 | NVVLKTIT ESATSPPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.039 | 0.039 | t | 137867 | GEIKFEAV EGAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0.002 | 0 | 0 | t | 40755 | LYFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.027 | 0.028 | t | 102265 | YSCGENSF MD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.035 | -0.033 | -0.033 | t | 116029 | YAKPAAVR SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.033 | -0.033 | t | 116029 | YAKPAAVR SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.01 | 0.023 | 0.03 | t | 127933 | APDDSFKK LEDRTNL KF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.047 | 0.047 | 0.05 | t | 61997 | STVTEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 17271 | FPDLGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 98938 | PQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.003 | -0.002 | t | 33244 | KRVVIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.019 | 0.023 | 0.019 | t | 99279 | GHPQEI | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.037 | -0.037 | -0.023 | -0.028 | t | 156885 | GYRAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.055 | 0.06 | 0.053 | t | 115912 | QAPEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 133379 | SRPYMA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.04 | 0.047 | 0.05 | t | 52572 | QTMEEINT | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 7673 | DAVTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.04 | 0.033 | 0.038 | t | 122872 | PLTLEL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.04 | t | 135893 | AFLQDVMNILLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.02 | t | 114224 | PQDENPVVHF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.008 | t | 49 | AAALPGKCGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.028 | 0.027 | 0.02 | t | 124205 | GPLQLGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.007 | -0.001 | t | 119452 | FRKTSKGG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.02 | t | 144682 | HLVGSALSDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 67278 | TWLVNASNVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.054 | -0.037 | -0.04 | t | 39196 | LRRRLRTACERAKRTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.055 | -0.05 | -0.05 | t | 129244 | LINRAKAVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.04 | 0.038 | t | 102279 | AAANQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.03 | -0.037 | t | 113577 | KNIVTPRTPPPSQGKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.01 | t | 1666 | AGRMIPKG | Anas platyrhynchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.021 | -0.007 | -0.01 | t | 110602 | GLKAKPKF TLGKRKAT PTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 122033 | WKKKLGA SP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.037 | 0.04 | t | 9822 | DQAMEDI KQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.027 | t | 151711 | RATHQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.006 | t | 42757 | MTDVIRYR YSNNYEAE SHIS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.009 | 0 | 0 | t | 43545 | NDYCLREC KQQGYKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.063 | 0.07 | 0.07 | t | 105802 | GAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.023 | 0.033 | 0.03 | t | 124186 | GFTPGGG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.013 | 0.023 | 0.02 | t | 48548 | PMEKKVIV WGAETA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97771 | WYGYHHS N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 99029 | TPGQFEDF FP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | -0.001 | -0.006 | t | 30986 | KGIYPLSYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.055 | 0.032 | 0.05 | 0.052 | t | 78603 | AELGEYEK LLNSVLEPI | Canis familiari s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.043 | -0.03 | -0.03 | t | 55640 | RRLGAALL QS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 14435 | ETIYNTTLK Y | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.01 | 0.01 | t | 39254 | LRYLEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.01 | 0.003 | -0.001 | t | 58036 | SGFSETVTI VEDTRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.028 | 0.04 | 0.04 | t | 12551 | EIPQPQW TPEEDQK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.039 | 0.041 | 0.04 | t | 66316 | TSLSVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.007 | 0.01 | 0.01 | t | 100249 | LDPLSEKG LTTY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.006 | 0.013 | 0.012 | t | 57910 | SFSSIPNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.009 | t | 252 | AAKLQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.01 | 0.01 | t | 133952 | WIFQNF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 112841 | SSKRGRQT PVLAYML DH | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.02 | -0.018 | t | 20674 | GKREMVII TF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.018 | t | 25328 | IAKTTLKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.033 | 0.029 | t | 67163 | TVSRPVTP LSEPIPV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.014 | 0 | 0 | t | 21715 | GPNNSEAI PALTAAE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.011 | 0.009 | t | 99009 | SNALSKRL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 52720 | QVKARNII SPVMG | Mus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.037 | 0.037 | 0.03 | t | 127650 | FEPFSNKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.01 | -0.01 | t | 48827 | PPLPHV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.02 | -0.01 | -0.01 | t | 140836 | DEAAYSKN RRAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.029 | t | 134209 | RDLASGLI GPLLICYS SVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.021 | t | 40724 | LYCGGPM FNSKGAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.007 | 0.01 | t | 22656 | GTGFSLSD LP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.007 | 0.008 | t | 13252 | ELRNLPQQ CGLRAPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.007 | 0.008 | t | 13252 | ELRNLPQQ CGLRAPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.01 | -0.011 | t | 120146 | QGARYVYA YVF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 28299 | IRGDTFAT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.057 | -0.043 | -0.049 | t | 106114 | SLNPERMF RKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.013 | 0 | 0 | t | 105874 | IEADVNTF | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0.006 | 0 | t | 116096 | GFGYGGR ASDYKSAH K | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.001 | t | 105763 | EVHHQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.031 | 0.031 | t | 28413 | IRVEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.008 | 0.019 | 0.02 | t | 72690 | WKNAYFD K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 96455 | KGKNVLIN KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 151731 | SAQSQRA PDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.035 | -0.02 | -0.02 | t | 64454 | TISADSKKT KDLVFL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.033 | 0.039 | 0.041 | t | 58728 | SITTPSQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.017 | t | 96548 | LFLAAH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.031 | -0.027 | -0.031 | t | 99172 | ECRNAM | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.033 | 0.043 | 0.04 | t | 51868 | QPLEQIKLES | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.024 | -0.013 | -0.01 | t | 95498 | KIPAVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 48778 | PPFSLSPV PTL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 108302 | CNFASRN DYSYWLST PEPMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | -0.004 | t | 145746 | DPEIVMHS F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.005 | -0.002 | t | 40110 | LTPLEELY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 69860 | VL YEAFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 69860 | VL YEAFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 17504 | FQNEKWD L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 130806 | EMDVVRF DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.015 | 0.023 | 0.022 | t | 8800 | DITKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.017 | 0.018 | t | 106595 | LDGETKTG PQRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.046 | -0.04 | -0.04 | t | 65429 | TNSKRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.046 | -0.04 | -0.04 | t | 65429 | TNSKRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.01 | t | 801 | ADYHRVM YAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.033 | 0.047 | 0.051 | t | 78148 | ENQANPT TAET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.007 | t | 50823 | QFYQKFP QYL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 98340 | PNPATAA GKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.022 | -0.02 | -0.021 | t | 95034 | PKPAKSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.022 | -0.02 | -0.021 | t | 95034 | PKPAKSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.021 | t | 95034 | PKPAKSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.021 | t | 95034 | PKPAKSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.039 | 0.043 | 0.039 | t | 99158 | DRLLSQIKS EGHPQE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 119272 | MGPPIGLP PAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.009 | t | 144594 | ARGISRTK YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 103960 | GTYFLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 36071 | LGDDTGII VI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.011 | 0.01 | t | 36071 | LGDDTGII VI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.009 | -0.013 | t | 105163 | EFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.01 | 0.008 | t | 100034 | FFAEDVGS NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.023 | -0.032 | t | 113371 | EPARSRSR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.033 | -0.02 | -0.02 | t | 105889 | IVGFFSKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.056 | 0.049 | 0.048 | t | 67967 | VDGSDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.008 | 0.02 | 0.02 | t | 57120 | SCNATQY NQLST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.009 | 0.02 | 0.02 | t | 94452 | CCNPACG PKY | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 94452 | CCNPACG PKY | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.022 | 0.03 | 0.03 | 0.029 | t | 125055 | FVYGGCQ GNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | -0.016 | 0 | 0.002 | t | 66873 | TTTSSHPV | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.036 | 0.03 | t | 13986 | EREVSVPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.057 | 0.057 | 0.058 | t | 114859 | ICGTDGVT YT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.066 | 0.069 | 0.07 | t | 65840 | TQETGDTT PSAYSMS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.032 | 0.03 | t | 60364 | SQAEEAAL NL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.047 | 0.04 | t | 109530 | LTKNQVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.052 | -0.04 | -0.041 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 123610 | PPGAMPP Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.05 | 0.061 | 0.061 | t | 34154 | KVPEDTLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.037 | -0.027 | -0.031 | t | 115591 | APEYRGRT ELLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.001 | t | 133664 | PPPPPPPP PP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.015 | 0.033 | 0.032 | t | 76307 | YVKELPTE VQKLKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.038 | -0.03 | -0.03 | t | 50836 | QGAWPA GA | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.034 | -0.029 | -0.03 | t | 53883 | RGIDKSVK SV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.017 | -0.02 | -0.022 | t | 41544 | MFTKYNG NLNTI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.021 | 0.02 | t | 56079 | RTIGGSQA QT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.041 | 0.041 | t | 131217 | EDISAYLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.027 | -0.03 | t | 96071 | AGIRPKGA FQ | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.014 | -0.007 | -0.011 | t | 63195 | TDLLAGGK DDVK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.01 | 0 | 0 | t | 140936 | YLAGKGV DAGKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.029 | 0.03 | 0.027 | t | 133611 | IVSYLCDLA PEAPPPTL PP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0 | t | 112408 | YGIGVGW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.043 | 0.041 | 0.04 | t | 61485 | SSYGFAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.022 | t | 96102 | APPLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.02 | 0.018 | t | 46443 | NVPEKQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.02 | 0.018 | t | 46443 | NVPEKQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.037 | 0.04 | 0.037 | t | 114559 | RAESEGFE WVAFKTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.036 | -0.027 | -0.031 | t | 72335 | WDVRPLT ETRGLFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.001 | 0.01 | 0.01 | t | 67445 | TYRATYQD FD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.024 | -0.017 | -0.021 | t | 77801 | SVKKCLFE KC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.001 | -0.001 | t | 19893 | GGIVTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.021 | 0.019 | t | 103301 | KAMLFDG RSGEPFPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.03 | 0.031 | 0.03 | t | 8355 | DGAVQPD GG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.008 | 0.02 | 0.02 | t | 153425 | MQIFVKTL TGKTITL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.02 | t | 153425 | MQIFVKTL TGKTITL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.04 | 0.032 | t | 106648 | MHNPSM T | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.019 | 0.03 | 0.03 | t | 94473 | CNPACGP KYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.03 | 0.03 | t | 94473 | CNPACGP KYS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.03 | 0.03 | t | 94473 | CNPACGP KYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.045 | 0.046 | t | 116085 | EPANPSEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.049 | -0.06 | -0.065 | t | 123279 | GYWKIRGL A | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.007 | 0.01 | t | 147200 | PQQLPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.016 | 0.021 | 0.02 | t | 26308 | IGQMFETT MR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.018 | t | 133638 | LTSRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.004 | 0.01 | 0.01 | t | 43548 | NDYEDRY RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.053 | 0.059 | 0.059 | t | 135805 | YVNSTEAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.044 | -0.049 | -0.052 | t | 79042 | PKSKPFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.01 | 0.012 | t | 7274 | CVKKQCPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.01 | t | 19096 | GDRADGQ PA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.063 | 0.06 | t | 149035 | EGSGTTK | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.043 | 0.053 | 0.05 | t | 131657 | SGLQAEDE ADYYCSSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.02 | -0.021 | t | 118548 | PAPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105813 | GELPNIEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.029 | 0.03 | t | 41350 | MEEINTLQ | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.014 | t | 141749 | SNLDHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.059 | 0.052 | t | 136590 | RDYFEEYG KIDTIEIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.007 | -0.011 | t | 108323 | DTPPPCPR CP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.001 | t | 153841 | KCLKFYSKI SEYRHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78399 | GLLNDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.002 | t | 125411 | FQGLCNET LTLKLYNN GFTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.033 | -0.039 | t | 121692 | PAPPKPEP KPKKAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.015 | 0.023 | 0.021 | t | 100320 | NCDFSQT ATLTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.009 | 0.02 | 0.02 | t | 94452 | CCNPACG PKY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.009 | 0.02 | 0.02 | t | 94452 | CCNPACG PKY | Capra hircus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.01 | 0 | 0 | t | 755 | ADQLPNV G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0 | t | 755 | ADQLPNV G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.032 | t | 134765 | PTPGPSRR GPSLGAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.027 | 0.02 | t | 136006 | VETGHTSQ VTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.028 | -0.021 | -0.022 | t | 2215 | AKKPAGK GSPSTLQT PG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0 | 0.011 | 0.01 | t | 72182 | VYVGNYD FW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.047 | 0.048 | t | 98725 | DDEALEKF DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.03 | 0.023 | t | 141707 | MPEEVHH GEEEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 138219 | PTPETGPL QR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.02 | t | 123579 | PGMIPPP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.05 | -0.04 | -0.04 | t | 34081 | KVKTTVVY GRRRSK | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.003 | -0.013 | -0.021 | t | 109251 | GSFFLYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | -0.003 | -0.002 | t | 5385 | AVIRGKKG SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.017 | 0.02 | 0.02 | t | 139896 | SLNSSAQ | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.001 | 0.01 | 0.01 | t | 13735 | EPQVYTLP PSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.022 | -0.011 | -0.01 | t | 141560 | SDEALPPG SPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.01 | 0.01 | t | 82594 | GDKVAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 18363 | FWRGDLV FDFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.016 | t | 128612 | FDSHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.014 | 0.01 | t | 47591 | PFVQWFM GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 138258 | VMHEALH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.011 | t | 112814 | PEQPPIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.023 | 0.033 | 0.032 | t | 142474 | SSTTGVA M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.017 | -0.02 | t | 115540 | VKNKRTFL SPWISNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | -0.002 | t | 119633 | QYTGHIT WTPPAIFK S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.011 | t | 110873 | GSGTGGR TGYIPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | -0.001 | t | 3880 | APTYSWG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.031 | 0.02 | t | 118645 | VAVSAAP GSAAPAA G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | -0.012 | -0.001 | 0.002 | t | 99226 | ERQLKSA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 31373 | KINSLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | -0.003 | -0.002 | t | 98740 | EALEKFDKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.01 | t | 94620 | NPACGPKY | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | -0.001 | 0.01 | 0.01 | t | 94620 | NPACGPKY | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.004 | t | 137401 | FEDVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.042 | 0.05 | 0.05 | t | 59430 | SLRECCQELQEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.006 | 0.02 | 0.023 | t | 109349 | IPVDLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.02 | t | 48762 | PPDHSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.023 | -0.029 | t | 127643 | ERPLELRVRVLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 115060 | GYLEQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 143676 | DRVGLRNLRGYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.008 | t | 25002 | HTVTTTTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.009 | t | 135562 | IHAMDIPPTG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.023 | 0.02 | t | 38764 | LPVWARP D | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.023 | -0.03 | t | 112403 | WWNDNK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.013 | 0.01 | 0.01 | t | 48452 | PLPPVA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.003 | -0.002 | t | 42159 | MMNWSP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.004 | t | 134078 | GYYPSPDP NTFYAPPY Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.004 | t | 134188 | PMSTPSAT SVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.004 | t | 59922 | SNTFINNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.004 | t | 58975 | SKYSNTFNI NAYNMVI RRSM | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.004 | t | 51125 | QIPYNLKIR AGGLDGG KKLV | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.004 | t | 42761 | MTDVIRYR YSNNYEAS DHIS | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | -0.004 | t | 58975 | SKYSNTFNI NAYNMVI RRSM | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 42780 | MTDVNRY RYSNNYEE QPHIS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.035 | -0.02 | -0.02 | t | 51971 | QPSSRRYP F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.007 | -0.011 | t | 115645 | RNGKDQD GDQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.004 | -0.017 | -0.007 | -0.011 | t | 115645 | RNGKDQD GDQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.027 | -0.03 | t | 45816 | NSGCFRHL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 115566 | YKKYLLFC ME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.014 | 0.02 | 0.018 | t | 7864 | DDQPSSH QPLFY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 104161 | NVVLKTIT ESATSPPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.032 | 0.039 | 0.04 | t | 98061 | GFSGSVQF VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.039 | 0.04 | t | 98061 | GFSGSVQF VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.012 | t | 125055 | FVYGGCQ GNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 107368 | FSSAP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.02 | t | 131700 | TGVTTQG VKSLTSM YVKEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.018 | t | 72911 | WNSTTFH QTLQDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.006 | t | 97769 | WNPSLLG N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.006 | t | 97769 | WNPSLLG N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.007 | 0.008 | t | 38630 | LPPTVMFP PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.022 | 0.03 | 0.032 | t | 65974 | TQYERE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27421 | ILYEAFDE M | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.029 | t | 26375 | IHFGSDYE DRYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.051 | t | 10320 | DTDSGYD VPDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.052 | 0.06 | 0.062 | t | 1450 | AGAPSAE QRER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.007 | 0.008 | t | 95334 | EDVPQPP VSQFH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 7502 | DAEVAGT QWFTPSG KTPVFG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 78399 | GLLNDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | 0 | -0.01 | t | 98973 | QSLACQCL VR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | 0 | -0.01 | t | 115197 | CVKKILDK VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.019 | -0.011 | -0.01 | t | 29803 | KAFRELAD AL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.004 | -0.01 | t | 109030 | GAQGPRG E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.047 | -0.043 | -0.049 | t | 105966 | MKKRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.011 | t | 105982 | NKGAIIGL MVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.013 | -0.02 | t | 144700 | KEWAKRA ALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.016 | 0 | 0.002 | t | 41169 | MAVPAFS DIAKSAND LLNKD | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.007 | -0.003 | 0 | t | 130464 | DFRVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.01 | t | 48279 | PLATQPPV LAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.033 | 0.03 | t | 149114 | STPRLPD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.013 | 0.02 | 0.018 | t | 134654 | DQQNQFQ KAET | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.053 | -0.06 | t | 123244 | GMIPPPGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.005 | 0.017 | 0.02 | t | 111588 | NLIQHVKG GTPKRPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.043 | 0.042 | t | 95933 | TTSDVA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.044 | 0.039 | 0.038 | t | 41131 | MASRPAA SSPVE | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | -0.006 | 0.007 | 0.01 | t | 78835 | SPDKLLTFI ASDTCPLV | Canis familiaris |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.031 | 0.03 | t | 2133 | AIYGAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.019 | 0.023 | 0.019 | t | 99631 | RQGAKEP YPEFVDRL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.001 | -0.01 | t | 130971 | MILHPDV QRRVQQEI DDVIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.007 | -0.001 | t | 119452 | FRKTSKGG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | t | 114987 | YANTTSED GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.007 | -0.01 | t | 144823 | YWEGSGI GAI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.009 | -0.01 | t | 74217 | YIGGPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.03 | 0.04 | 0.04 | t | 64905 | TLLGEATA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.012 | -0.012 | t | 100398 | PTTPATPT PTPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.038 | -0.027 | -0.029 | t | 114450 | LEIIEEFFK NKSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.001 | -0.001 | 0 | t | 41043 | MAGKRE MVII | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | 0.001 | -0.008 | t | 118585 | RNPLIAGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.047 | 0.05 | 0.05 | t | 94606 | LTGGFYEP L | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.017 | -0.022 | t | 156860 | DRWNSM WKESLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 45407 | NPNANPN A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.006 | 0.008 | 0.01 | t | 67745 | VASGGSG NSRRTNPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.011 | t | 72544 | WHLKSIG QLVIE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.022 | -0.01 | -0.011 | t | 72544 | WHLKSIG QLVIE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 21601 | GPEET | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.009 | t | 21601 | GPEET | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.014 | 0 | 0.001 | t | 120522 | FALAPSLTE I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 119581 | FSCSVMH E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | 0 | -0.01 | t | 114965 | TSEDGKV MVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 25140 | HWSYGLR PG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 58648 | SIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 108622 | SHQESTRG RSRGRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 159282 | EENW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.01 | t | 69828 | VLVLFGFF TLSPWY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.033 | -0.04 | t | 119475 | KKIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.014 | -0.021 | t | 107503 | LFPPKPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.028 | t | 121879 | SSQFDPNK QTPSGKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.033 | 0.03 | t | 49920 | PVNPSTAP APAPTPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.03 | t | 137748 | DTQLTLEA LKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.036 | -0.02 | -0.019 | t | 119301 | PEVVVLGS QEGAMHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.017 | 0.03 | 0.03 | t | 52494 | QTDEIKND NIQTDEIK NDNI | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.017 | 0.03 | 0.03 | t | 52494 | QTDEIKND NIQTDEIK NDNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.004 | 0.01 | 0.008 | t | 133618 | KKLLVRGL YRISFTTYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.031 | t | 78136 | EEPKHETK ETE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.031 | 0.037 | 0.04 | t | 64998 | TLPDTEKQ I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.031 | 0.037 | 0.04 | t | 64998 | TLPDTEKQ I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.01 | t | 132304 | FMIHQLM GNGVWH FGET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 69883 | VLYQEFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.045 | 0.05 | 0.048 | t | 78703 | KKKKTDEA QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.047 | 0.04 | t | 119506 | PIVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.035 | 0.037 | 0.04 | t | 115135 | YSYDVNST EKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.035 | 0.037 | 0.04 | t | 115135 | YSYDVNST EKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.069 | 0.071 | 0.07 | t | 69624 | VLLQME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.027 | 0.028 | t | 13509 | ENLCSTFC KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.013 | 0.011 | t | 99662 | SEVIFR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 15334 | FCLFFAFSV AAP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|--------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.003 | -0.011 | t | 119513 | RGLKSKIAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.003 | -0.011 | t | 119513 | RGLKSKIAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 146020 | TCPDIIIPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.014 | 0.017 | 0.018 | t | 30115 | KDASIQVVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.036 | 0.037 | 0.04 | t | 1391 | AFRRYQEE | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.02 | -0.01 | -0.01 | t | 73074 | WSGKFPTL | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.027 | 0.028 | t | 122167 | PPPITQGECKQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.022 | 0.017 | 0.01 | t | 130859 | GLLAQQMDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.02 | 0.019 | t | 102334 | CETDKWKYENPCKKMCTVSD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.019 | t | 102334 | CETDKWKYENPCKKMCTVSD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.019 | t | 102334 | CETDKWKYENPCKKMCTVSD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 138258 | VMHEALH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.003 | t | 107479 | KFNWYVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.042 | 0.04 | t | 71321 | VTGGAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.008 | t | 98696 | AMAASDISLL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.037 | -0.027 | -0.028 | t | 60780 | SRRFAPAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.011 | t | 144594 | ARGISRTK YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.011 | -0.028 | -0.02 | -0.02 | t | 45115 | NNGTWSK HKAEVKKF L | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 69125 | VITGTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.009 | t | 139730 | EQLAGNLR ENIE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.018 | -0.02 | t | 48343 | PLGLKRGIE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.02 | t | 137749 | DTQLTYAG LKL V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | 0.003 | 0 | t | 35006 | LAVLLGAC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 119995 | KNEELRLY HHLFNNY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.01 | t | 121161 | AVEKVKRT KDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.018 | 0 | 0.002 | t | 56599 | RYNLVFSG DSDRICSN RA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.036 | -0.031 | -0.032 | t | 20796 | GLDGT VW AQSAKFP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.027 | -0.013 | -0.007 | t | 110795 | CDLIPNLKL NNG | Macaca |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.011 | -0.01 | t | 41043 | MAGKRE MVII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0 | t | 54504 | RLDGTTL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.013 | -0.02 | t | 118144 | SLCQSLR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.006 | 0.02 | 0.023 | t | 109348 | IPVDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.019 | -0.021 | t | 64377 | TIMAKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.002 | 0.019 | 0.021 | t | 98686 | AHGRSQV LQQST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 61778 | STNDNIK LLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 119579 | FKDYSSV RPVEDHR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0 | -0.005 | t | 123013 | AIFSQFG QILDILV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.019 | -0.013 | -0.023 | t | 134682 | GPSRRGP SLGASSHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.029 | 0.037 | 0.042 | t | 63196 | TDLNILER FNYEEAQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.007 | -0.008 | t | 110912 | KATPNDG YFWED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | 0.003 | 0 | t | 125441 | HPLTCDD PFRFQ | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0 | 0.009 | 0.012 | t | 25060 | HVL DHVQ T | Anas platyrh nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.01 | -0.01 | t | 97020 | TVTRGTIS DP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.008 | t | 40611 | LVT KDIDF D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.032 | 0.031 | 0.029 | t | 30199 | KDLLED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 46969 | PATIGDYT DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.02 | -0.007 | 0 | t | 128152 | YIFSEEAQ VKDVPVVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.052 | -0.047 | -0.05 | t | 7559 | DAKFRPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 143682 | EEIEKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.01 | 0 | 0 | t | 48715 | PNVDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.007 | 0.001 | t | 114196 | CKPISGHN SLFQWYR QT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.013 | -0.01 | t | 49993 | PVVAESPK KP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.003 | -0.002 | t | 98904 | MKGLDIQ KVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.009 | 0 | 0 | t | 71300 | VTFGDMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | 0 | 0.001 | -0.002 | t | 24694 | HRMAWD MMM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 14405 | ETHVTGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.011 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.043 | 0.05 | 0.05 | t | 108185 | VEHSDLSF S | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.01 | 0.009 | t | 113539 | IIPKVEGKT IAEQILQY GSM | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.01 | 0.009 | t | 113539 | IIPKVEGKT IAEQILQY GSM | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.021 | t | 107758 | AWNCCVK QTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.029 | 0.04 | 0.042 | t | 111725 | RHGEEYDL QFIFQLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 78939 | CINHRGY WVC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 107878 | GWVAMH PQGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 58129 | SGLTSLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.033 | 0.032 | t | 77858 | DYPSLSAT DI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | -0.003 | 0 | t | 159063 | RKAADTFN FKTFFHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 108844 | DAGVIQSP RHEVTEM G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.009 | 0 | t | 38304 | LNPKTNK WEDK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.009 | 0 | t | 27728 | INQQLNPK TNKWEDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.009 | 0 | t | 27727 | INQQLNPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.007 | -0.01 | t | 48414 | PLLVETWK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.003 | 0.009 | t | 121100 | YYFAPDHR TV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.007 | t | 12951 | ELAPEDPE DS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.041 | 0.03 | 0.03 | 0.028 | t | 156886 | HGLYGS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.031 | 0.03 | t | 76192 | YTTSEYPS QPPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.014 | 0.009 | t | 111028 | SRALAREV DLKDYED QQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.003 | -0.014 | t | 122512 | PEPAKSAP APKKGSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.029 | 0.03 | t | 27681 | INLLDDSD F | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.002 | 0.01 | 0.01 | t | 136832 | EVVRAEIM RS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 107784 | DGSFFLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.01 | 0.011 | 0.008 | t | 100297 | LVFFAEDV GS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 56059 | RTGEGL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 112897 | AATGAAT AAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 48778 | PPFSLSPV PTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.007 | 0.01 | t | 147197 | PLVQEQQ F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.052 | 0.05 | 0.05 | t | 78806 | QSQIESR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.027 | 0.028 | t | 50863 | QGFSRNTL EAAFNAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.017 | 0.021 | 0.019 | t | 103301 | KAMLFDG RSGEPFPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.046 | -0.027 | -0.028 | t | 33436 | KSMDVRRRI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.046 | -0.027 | -0.028 | t | 33436 | KSMDVRRRI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.02 | -0.02 | t | 117931 | IMAPPPG MRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.002 | 0 | 0 | t | 30716 | KFDWNT PD | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.033 | 0.047 | 0.042 | t | 104569 | MASPGSG FWSFGSE DGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.008 | t | 136092 | YKSQYLNN GPQRIGRK YKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | -0.002 | t | 58872 | SKKSVTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.034 | 0.041 | 0.04 | t | 133540 | DALVAKA QEVs | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105717 | DPSIMAKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.007 | 0 | -0.001 | t | 125246 | RRQPHVM S | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 149099 | RVLTSMD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.001 | -0.001 | t | 138238 | SMLDTPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.004 | 0.009 | 0.01 | t | 33424 | KSLSTLSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23223 | GVYLLPRR GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.011 | t | 120700 | KNAIEGIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.001 | t | 121287 | EYFIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.007 | -0.01 | t | 37316 | LLGCIGSTC A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.02 | 0.029 | 0.03 | t | 78687 | IRVRKRKG SNKKAEDT LED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.075 | 0.066 | 0.071 | 0.07 | t | 38201 | LNEEQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.007 | 0 | t | 122904 | SNTRVFPN PNNKQAL Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.007 | t | 22792 | GTQETGD TTPSAYSM S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50102 | PYIEQGM ML | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 106301 | CDIKTTLPP I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.038 | 0.04 | 0.04 | t | 89661 | TQLTSSYE DYML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.046 | 0.048 | t | 118014 | MDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.013 | 0.009 | t | 19517 | GFEKISKG AN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.019 | -0.01 | -0.01 | t | 23947 | HGRVGIYF GMK | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | -0.003 | -0.002 | t | 68001 | VDKRHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.002 | 0.01 | 0.01 | t | 97654 | SMGAKPT G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.03 | -0.02 | -0.02 | t | 66743 | TTNRFAKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.03 | -0.02 | -0.02 | t | 66743 | TTNRFAKY | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.039 | -0.026 | -0.03 | t | 136003 | TRKDINTV TTVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.01 | -0.02 | t | 98903 | MHIRLSFN PT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.047 | 0.049 | t | 12185 | EGHTDSV GTDAYNQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 11411 | EDPASR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.037 | -0.026 | -0.02 | t | 8730 | DINKRKYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.012 | t | 13688 | EPLEPFPT QIHKDYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 138245 | SVMHEAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.016 | 0.03 | 0.033 | t | 64045 | THKVGTSF TFES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.024 | 0.031 | 0.029 | t | 105647 | ADVNTFV A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.045 | 0.046 | t | 116085 | EPANPSEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.013 | 0.011 | t | 107149 | GIAGFKGE QGPKGET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.009 | t | 107520 | LTVLHQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.014 | -0.019 | t | 117336 | NGWSHKD LLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0 | 0.01 | 0.01 | t | 91344 | FYETVLFK GFESI | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 4530 | ASLKMAD PNRFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.003 | 0 | t | 64093 | THVTGGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99037 | VFKIDALN EN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.003 | -0.01 | t | 130752 | CLAVLWV VKSTPAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.003 | 0.013 | 0.021 | t | 122543 | QRSQDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.01 | t | 139494 | ERGSAGH WTSESSVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.008 | t | 140674 | ESQPDPKP DELHKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.022 | 0.02 | t | 48384 | PLKQIAFN SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0.004 | 0 | t | 55838 | RSFQNKKS LVAFKIMP LEDLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 30808 | KFPGGGQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.033 | -0.032 | t | 14100 | ERYLGYLE QLRLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.015 | 0.003 | 0.002 | t | 60664 | SRGAPGG GFVPSMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.041 | 0.041 | t | 131217 | EDISAYLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 63122 | TDAYNQKL SERRAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 43317 | NATAEGR AINRRVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 43317 | NATAEGR AINRRVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 46444 | NVPEKQT RGIFGAIA GFIE | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 46841 | PAKLLKER GFFGAIAG FLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 27725 | INQDPDKI LTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.013 | 0.001 | 0.004 | t | 45589 | NQMHML SNKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.032 | t | 120952 | SLGSRRTL MLLAQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.067 | -0.053 | -0.06 | t | 107828 | ERGLKGHR GFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.023 | 0.019 | t | 10932 | DYNPLLVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.012 | 0.021 | 0.019 | t | 41177 | MAYRFNG IGVTQNV L YE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.063 | 0.06 | t | 48518 | PLVAEEDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.017 | 0.027 | 0.03 | t | 63089 | TCPDKKST A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.006 | 0.02 | 0.022 | t | 58906 | SKNLAPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.008 | t | 122094 | FLALDVPTI GLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.03 | -0.02 | -0.02 | t | 98434 | RYMDQPS RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.012 | t | 56788 | SAFVFPTK D | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.033 | 0.03 | t | 95558 | LNAASAYC ST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0.007 | 0.002 | t | 37659 | LLPHSNLD HILEPSIPW K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0.004 | 0 | t | 117688 | VSLVCEKL CNEKLLKK ARIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | -0.01 | t | 95824 | SDVAGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.03 | t | 118497 | LNGKNIED VIAQGIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 78375 | EPGITTNY DT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.023 | 0.03 | 0.03 | t | 159284 | FSLRLMEE NWNAEKR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.023 | 0.03 | 0.03 | t | 159284 | FSLRLMEE NWNAEKR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.02 | -0.019 | -0.023 | t | 134830 | YSPCAWE VVR | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 125400 | ELLKLLIEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 125400 | ELLKLLIEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 23464 | GYSLFQKE MKTHNEG TSGTA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0 | 0.013 | 0.02 | t | 127980 | FPVIPGINI EQKNACS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0 | 0.013 | 0.02 | t | 127980 | FPVIPGINI EQKNACS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.01 | -0.012 | t | 70396 | VPNLRGD RQALA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.014 | 0.01 | t | 47593 | PFVQWFV GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.03 | t | 116681 | CFEGQEKA HNQDLGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.02 | 0.018 | t | 29567 | IYDKLTVQ TTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.021 | t | 72087 | VYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 149114 | STPRLPD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0 | 0.02 | 0.022 | t | 151601 | ADLSLEKA ANVQWD E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.013 | 0.009 | t | 135914 | EEIAQVATI SAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.019 | t | 133995 | AEVETDKA TVGFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.001 | -0.001 | -0.004 | t | 1257 | AFASNRTF DITVSGLG TAPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.02 | -0.02 | t | 100052 | GALMLPH FNSKAMVI VVVNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.026 | -0.03 | t | 14261 | ESRRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.026 | -0.03 | t | 14261 | ESRRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.026 | -0.03 | t | 14261 | ESRRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.027 | 0.028 | t | 38962 | LQQQEIQK GEEV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 1771 | AHHAAD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.06 | 0.067 | 0.058 | t | 131981 | NGWKSTEEEDQGSAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 119622 | NVNHKPSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 140378 | TAEETKQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 9886 | DQPKQYEQHLTDYEKIKEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.012 | 0.02 | 0.02 | t | 9886 | DQPKQYEQHLTDYEKIKEG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.002 | t | 156864 | EPNPTRL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.022 | -0.032 | t | 137399 | FCGLPRLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0.001 | t | 79111 | VNKGYTG Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.052 | 0.066 | 0.062 | t | 105319 | LVFFAEDVGSNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 107758 | AWNCCVKQTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 107758 | AWNCCVKQTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.043 | 0.043 | 0.057 | 0.052 | t | 136724 | VLDSEDLQDMSLMTLSTKTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 115342 | LDTDYKKYLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.017 | 0.01 | t | 120548 | GAGAPVYLAAVLEYLTAE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.045 | -0.037 | -0.041 | t | 45054 | NNDFHFE VFNFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.013 | t | 146901 | ETHGGED VAVFAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.047 | 0.05 | t | 134028 | DDTIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.05 | 0.043 | t | 115671 | AAMEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.034 | 0.043 | 0.042 | t | 40076 | LTPCD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.029 | 0.03 | t | 70812 | VRRIEGGE | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.082 | 0.071 | 0.077 | 0.08 | t | 11210 | EAVESTVA TLED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.084 | 0.071 | 0.077 | 0.08 | t | 11210 | EAVESTVA TLED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 35611 | LEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 21173 | GLTSLFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 79403 | SVGDYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 107446 | IEKTISK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.036 | 0.04 | 0.04 | t | 5670 | AWITEDCP VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.038 | 0.05 | 0.05 | t | 136896 | VLHDDLLE A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.043 | 0.05 | 0.05 | t | 79158 | ASPYGNA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.043 | 0.05 | 0.05 | t | 79158 | ASPYGNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.014 | t | 96457 | KGTVNLT WSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.024 | -0.02 | -0.022 | t | 139198 | QARNRPT T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.021 | t | 78143 | EKIEKTEEP AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.01 | t | 15807 | FFFDIDLLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 9588 | DPAFSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 9588 | DPAFSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.057 | 0.05 | t | 117613 | QEKLQVAL GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.057 | 0.05 | t | 117613 | QEKLQVAL GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.025 | -0.013 | -0.019 | t | 131994 | PAKSAPAP KK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.004 | 0.015 | 0.01 | 0.009 | t | 21990 | GRAIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.041 | -0.05 | t | 135642 | CKNKEKCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.075 | 0.08 | 0.08 | t | 115035 | ASSDSSNT E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.003 | -0.002 | t | 51872 | QPLPPTV MFPPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.009 | 0.019 | 0.02 | t | 61006 | SSFSPNNT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.043 | 0.042 | t | 11092 | EAKKQVEK ALEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 66311 | TSLNLQKD EPN | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.033 | 0.039 | 0.039 | t | 137867 | GEIKFEAV EGAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.012 | t | 122486 | MILHPDV QRRVQQEI DDVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.01 | -0.001 | 0 | t | 26244 | IGILGGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.006 | -0.011 | t | 13992 | ERFSFPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.037 | 0.032 | t | 141604 | APPDDGP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.005 | 0.007 | 0.011 | t | 52043 | QQIPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 69883 | VLYQEFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.011 | -0.012 | t | 5429 | AVLFFGRC VS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.001 | t | 119496 | MFPEVKEK GMAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0 | t | 40755 | LYFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 62286 | SVPNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.029 | 0.043 | 0.041 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 51296 | QLCQLL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.01 | -0.01 | t | 66101 | TRSQSGLT FA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98938 | PQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.021 | 0.029 | 0.03 | t | 98408 | QYEADLAA VK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.053 | -0.06 | t | 123244 | GMIPPPGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.008 | t | 25002 | HTVTTTTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.034 | -0.03 | -0.03 | t | 47859 | PHWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.019 | -0.02 | t | 71687 | VVHGCPLP PTKAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.019 | -0.02 | t | 71687 | VVHGCPLP PTKAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.01 | t | 144101 | TMMQTM SFLRGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.031 | -0.017 | -0.02 | t | 110602 | GLKAKPKF TLGKRKAT PTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.025 | -0.017 | -0.022 | t | 118144 | SLCQSLRE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133722 | TSKSKYPL VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.034 | -0.02 | -0.02 | t | 9523 | DNNYGKTI INNDFNF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.013 | -0.02 | t | 132078 | SQGWGDP PKSNQSLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.007 | t | 7230 | CTTPAQG NSMFPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.009 | t | 133618 | KKLLVRGL YRISFTTYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | t | 139771 | GYSFSTS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.009 | 0.01 | t | 48108 | PKNTLTPL EELYPTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.013 | 0.02 | 0.02 | t | 150858 | ISSLYNLVK SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.003 | -0.01 | t | 141969 | NGTYQTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.012 | 0.011 | 0.007 | t | 103170 | FGDVDAH GAMIRAQ A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.06 | 0.061 | t | 78255 | QTTPEEKP AEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 141067 | PLSLEPDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78637 | EKSLTSLSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 117232 | SAPDTRPA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.026 | 0.03 | 0.03 | t | 112486 | DTYRF | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.026 | 0.03 | 0.03 | t | 112486 | DTYRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.01 | t | 133952 | WIFQNF | Mus musculu s |

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|---|------|---|---|------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.007 | 0.01 | t | 58882 | SKLIKIFQD H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.026 | 0.021 | t | 107064 | AGAPGFP G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.036 | 0.03 | t | 125357 | AEIETDKA TIGFEVQE EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | -0.001 | t | 53195 | RARGRGR GRGEKRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | -0.001 | t | 55585 | RRGRGRE RARGGSRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.007 | 0.007 | t | 106977 | VQGKEKEP SK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.028 | 0.04 | 0.042 | t | 95416 | GLQNDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.008 | t | 3274 | ANETIYNT TLKYGDV | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.01 | 0.009 | t | 24602 | HQQILLQK YQVIKV | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.045 | 0.042 | 0.053 | 0.052 | t | 157743 | PLATQSYG FGSD | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 50098 | PYIEQAQV I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.039 | 0.043 | 0.039 | t | 47858 | PHVVDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 73489 | YCDKLCKD KKADSGY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.009 | -0.001 | 0 | t | 596 | ACSFSSIPN G | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.019 | 0.023 | 0.019 | t | 99579 | QNIRQGA KEPYPEFV | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.013 | 0 | 0 | t | 61827 | STPPLPWP WSPAAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.013 | 0 | 0 | t | 61827 | STPPLPWP WSPAAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.009 | 0.01 | t | 39254 | LRYLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.032 | -0.029 | -0.033 | t | 103503 | PVIAENRA ELMILIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136063 | FIRFDKRIE AEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.049 | 0.05 | 0.048 | t | 123849 | WQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.05 | 0.053 | 0.06 | t | 118029 | NAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 125791 | CSFWSKYI QTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.003 | -0.012 | t | 122341 | ESGFLREV LNAVPLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.033 | 0.03 | t | 50272 | QAGQEMI LAVQGVQ D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 69908 | VLYSPNVS VPSSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.044 | t | 26372 | IHFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.035 | -0.03 | -0.032 | t | 126921 | RERRGIAL D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47119 | PDKEILYEA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.033 | 0.03 | t | 141604 | APPDDGP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.007 | -0.008 | t | 53823 | RGAPGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.003 | -0.001 | t | 121589 | LRKFKNISY FPGKLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.013 | -0.02 | t | 144700 | KEWAKRA ALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.002 | 0 | t | 62065 | SVCGPVYC FT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.017 | 0.02 | t | 112837 | SGYIPANT TIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 56771 | SAFDDNLT AANAMGL ILNKR | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 60663 | SRGAPGG GFVPSLQG VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.011 | -0.02 | t | 135642 | CKNKEKCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.031 | 0.02 | t | 118587 | RPRVNYLQ DFSYQRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.014 | -0.01 | t | 131249 | LVVGLC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.04 | 0.038 | t | 102280 | AAANQTE V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.021 | -0.01 | -0.009 | t | 9472 | DNIDSPNA PWVFAC | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.031 | t | 120699 | KMFPEVKE KGMAALP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.007 | 0.008 | t | 13252 | ELRNLPQQ CGLRAPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.006 | 0.01 | 0.013 | t | 10801 | DWEDRY RE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.006 | 0.01 | 0.013 | t | 10801 | DWEDRY RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 11571 | EEEDDD MGFLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.012 | -0.003 | 0 | t | 95253 | AQKKII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79118 | WKSLPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.001 | 0.011 | 0.01 | t | 110589 | GDICNT MHTNWT HYICEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.014 | 0.01 | t | 75560 | YQTEKF VK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.041 | t | 26372 | IHFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.062 | t | 127822 | SIYAYD NF GV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 159294 | QPLWLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.031 | 0.037 | 0.03 | t | 127961 | ELLADV QF ALGLPF YF AYEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.009 | 0.01 | t | 62831 | TAEGRA IN RRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.011 | t | 63757 | TFTNKL KS KHTDLG K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.004 | 0.008 | t | 95674 | PNNLCC S QWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.023 | t | 108382 | GGVVIA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.023 | t | 108382 | GGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.029 | 0.027 | t | 9585 | DPAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.009 | -0.012 | t | 36893 | LKILPQSGP IGGIKSMG ITT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.011 | -0.01 | t | 73301 | WYWGPSL YSI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.028 | -0.02 | -0.02 | t | 110913 | KDIKANPE NYFT | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.016 | -0.003 | 0 | t | 78843 | TAAQITAG IALHQS NLN | Canis familiaris |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.02 | t | 123512 | MPPPGMI P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.023 | -0.03 | t | 121892 | TALLRNLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 15438 | FDPLVAEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 48778 | PPFSLSPV PTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 135457 | FGF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.007 | 0.02 | 0.02 | t | 67444 | TYRATYQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.018 | 0.02 | t | 32494 | KNFNFEVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.008 | 0 | 0 | t | 64644 | TKPTDPTG IE | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.008 | 0 | 0 | t | 64644 | TKPTDPTG IE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.009 | 0.011 | t | 146390 | KFTFLFCGS MMATG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.022 | t | 150850 | GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.005 | 0.001 | 0 | t | 73991 | YGFQYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 6093 | CDCDRTA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.018 | -0.01 | -0.011 | t | 153392 | GNTLQCI MLVYCFLG YCC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.002 | t | 57648 | SETLKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.033 | 0.029 | 0.028 | t | 15529 | FEFPPPT DE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.011 | t | 39663 | LSSKAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.002 | t | 117660 | TVETQNLE GLHH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.024 | -0.03 | t | 107087 | ARGLTGRP GDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.033 | 0.039 | t | 144641 | FFENKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 32138 | KLRPFERDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.021 | 0.018 | t | 21480 | GNNLEDP ASRDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.001 | 0.01 | 0.01 | t | 57288 | SDSQKECT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.006 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.015 | -0.007 | -0.01 | t | 70241 | VPAEILRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.041 | 0.05 | 0.05 | t | 33424 | KSLSTLSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.018 | 0.029 | 0.03 | t | 12248 | EGQKSAVT EY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.02 | t | 75151 | YNGEEYLIL S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | t | 141893 | FEEETESSA SSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.017 | -0.022 | t | 120612 | IFNLFSTKD SSAAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.015 | 0.021 | 0.02 | t | 52814 | QVVYDYQ H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.013 | 0.01 | t | 142307 | TLHEYMLD LQPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.008 | t | 97282 | ESNNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.01 | 0.009 | t | 95092 | GYQKTVD HTKVNSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.011 | 0 | 0.001 | t | 93328 | LSKVVDNY EL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.026 | 0.02 | t | 108790 | AQGPRGE P | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.007 | t | 73131 | WTGVAQD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.007 | t | 73131 | WTGVAQD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | -0.001 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.009 | -0.001 | 0 | t | 51474 | QLPNVGITQGIV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 119676 | WQQGNVFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.023 | -0.023 | t | 115828 | KPAAVRSPAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 151729 | RYSPSLNTRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.001 | 0.01 | 0.01 | t | 96874 | SIAPDLSLDFEKLNV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.019 | -0.021 | -0.021 | t | 55193 | RPKPG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.025 | 0.017 | 0.009 | t | 104014 | KPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.099 | -0.077 | -0.078 | t | 96059 | AANNAKN AAL | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.007 | 0.019 | 0.021 | t | 146516 | RAVPYYGPGVDYRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.046 | -0.04 | -0.042 | t | 94979 | YNKRFPGFVSP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 54291 | RISNLND | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0.002 | 0.003 | t | 98976 | QYPLGQG SFRPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 38662 | LPQVVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.037 | -0.042 | t | 26360 | IH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.013 | -0.021 | t | 106491 | GWGQLFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.023 | -0.02 | t | 115090 | NLLRFFVA PFPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.021 | 0.023 | 0.02 | t | 57506 | SEKSKCEE NTMFQPY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.004 | t | 50959 | QGSNWI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.044 | 0.03 | 0.026 | t | 146012 | SSPSTPLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.005 | -0.003 | -0.01 | t | 138205 | MHEALHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.039 | 0.047 | 0.05 | t | 78104 | APPASEQE T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.014 | -0.01 | -0.012 | t | 45357 | NPGISGSR LLGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 79303 | LVAAGVD YEDERISF QDWPK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.009 | 0.007 | 0.012 | t | 52028 | QQFPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.018 | t | 106562 | KKCDIKTTL P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.018 | t | 106562 | KKCDIKTTL P | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.01 | 0.01 | t | 113666 | NNGLYDIY ADDFITDT STTP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.01 | 0.01 | t | 113666 | NNGLYDIY ADDFITDT STTP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 10126 | DSGDGRQ TITNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.02 | 0.022 | t | 76268 | YVFDKSEL TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.021 | 0.02 | t | 142008 | SEATGLSS EKITKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 40922 | LYREFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.011 | -0.012 | t | 31075 | KGTMDSG QTKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.015 | 0.02 | 0.02 | t | 56079 | RTIGGSQA QT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.02 | 0 | 0.002 | t | 11269 | ECTGLAW EWWR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.021 | 0.03 | 0.03 | t | 100629 | VRKQYKR DIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.007 | 0.021 | 0.022 | t | 110437 | TLHEYMLD LQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.011 | 0.02 | 0.019 | t | 115265 | GKDITADN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 23185 | GVTTSLSY F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.023 | -0.01 | -0.008 | t | 96849 | SAETIF | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.01 | -0.008 | t | 96849 | SAETIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.01 | -0.008 | t | 96849 | SAETIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 105937 | LPNIEADV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.065 | 0.072 | 0.07 | t | 28505 | ISGDLKTQI DQVEST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.017 | -0.018 | t | 110913 | KDIKANPE NYFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.029 | -0.02 | -0.02 | t | 100385 | PKTFQFIN DQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.02 | 0.019 | t | 65638 | TPLGPPDA EYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.013 | 0.011 | t | 99643 | RRVEIEVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 8355 | DGAVQPD GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 8355 | DGAVQPD GG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.039 | 0.039 | 0.04 | t | 9802 | DPVIDLLQ | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 151795 | APDDRSYK SQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.027 | 0.019 | t | 118335 | EQLRILGEK EAKLAQQS QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.042 | t | 131048 | RQSDGQY QM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.041 | 0.05 | 0.051 | t | 10336 | DTFNPVYP YDTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110833 | EQFNWVS RLANLTQG EDQYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 60358 | SQAAPYIE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 149026 | ANITQSS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.003 | 0.005 | 0.01 | 0.01 | t | 19096 | GDRADGQ PA | Aotus griseime mbra |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.003 | 0.005 | 0.01 | 0.01 | t | 19096 | GDRADGQ PA | Aotus griseime mbra |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.003 | 0.005 | 0.01 | 0.01 | t | 19096 | GDRADGQ PA | Aotus griseime mbra |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.013 | t | 7208 | CTSPYDGK YWSMYSR L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.058 | -0.049 | -0.05 | t | 8216 | DEWWKVI KKDVWNV ISWVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 78628 | DQKPPSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | 0.001 | 0 | t | 155856 | SSWSDH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.024 | 0.03 | 0.03 | t | 92786 | GDGNDIIT DS | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.012 | t | 39916 | LTGISICNP GSSLC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.012 | t | 39916 | LTGISICNP GSSLC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.018 | t | 156903 | KNRGIKTF SN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.011 | 0.011 | t | 29939 | KASAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.017 | -0.021 | t | 135902 | AVSAHGCL FDRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.029 | -0.02 | -0.02 | t | 99892 | ALLHEHYV YA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 94685 | SICSNNPT CWAJ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.01 | 0.001 | 0.001 | t | 9474 | DNIGNANI GFGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 21407 | GNDYEDR YYREN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 21407 | GNDYEDR YYREN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.038 | 0.03 | 0.027 | t | 79891 | KSADVESD V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.038 | t | 107107 | EAIQP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.02 | 0.033 | 0.03 | t | 48176 | PKYEQGG NIV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.009 | 0.02 | 0.02 | t | 94621 | NPACGPK YSC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.029 | 0.03 | t | 35983 | LFSLNAPG L | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.041 | t | 26372 | IHFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.029 | 0.019 | 0.016 | t | 13675 | EPIVGAET F | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | -0.006 | 0.007 | 0.002 | t | 133798 | DKIRGEG MRYIIILD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.01 | t | 34278 | KVYVGNY DF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.011 | 0.009 | t | 19637 | GFTTNEPR YNVFAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.011 | 0.012 | t | 47426 | PESPFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.012 | -0.023 | t | 98824 | IIAEKTKIP A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.021 | t | 14447 | ETKRKDGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.025 | -0.02 | -0.021 | t | 14447 | ETKRKDGD | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.003 | -0.002 | t | 5385 | AVIRGKKG SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135504 | VPGVGGL G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.002 | 0.01 | 0.008 | t | 65492 | TPADPAAS SSERG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.008 | t | 65492 | TPADPAAS SSERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.003 | 0 | t | 18953 | GDDPLL N | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.019 | 0.02 | t | 5311 | AVEVDPD DVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.03 | t | 41629 | MGSSYG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.016 | 0.009 | t | 67069 | TVLGCALP PTPQTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.011 | 0 | -0.008 | t | 24215 | HLGLMAM DHLPW | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.001 | 0.01 | 0.011 | t | 93326 | LSFSDSNL KD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0.001 | t | 108074 | PQVYTLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.001 | t | 108074 | PQVYTLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.012 | -0.01 | -0.01 | t | 26222 | IGFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50102 | PYIEQGM ML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.022 | -0.01 | -0.01 | t | 47131 | PDKILTYIA ADHC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.027 | 0.028 | t | 43392 | NCSSYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.04 | -0.041 | t | 95041 | SLAGKRE MA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.047 | -0.04 | -0.041 | t | 95041 | SLAGKRE MA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.021 | t | 1022 | AEKQKAAE ATKVAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.02 | t | 127585 | ASFEPFSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.018 | t | 151609 | DETPMRG ETRKV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | 0.001 | 0 | t | 123380 | KLPGKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.07 | -0.06 | -0.061 | t | 63237 | TDSPRNPV TR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.011 | t | 24105 | HITHYFVV PSVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0 | 0.003 | 0.007 | 0.01 | t | 57990 | SGAWYYV PLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.01 | t | 48409 | PLLRTQF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.037 | 0.037 | t | 135864 | VNDIFERI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.01 | t | 103830 | CHAVKVG NPSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.006 | 0.013 | 0.012 | t | 57911 | SFSSIPNGT Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.008 | 0.021 | 0.022 | t | 7901 | DEADRYFT YEPP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.078 | 0.081 | 0.083 | 0.08 | t | 142335 | YEQLNDSS EEED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.011 | -0.001 | 0 | t | 12216 | EGLKEVIN DRYDMLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.06 | -0.047 | -0.05 | t | 72924 | WPAGAGR R | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.034 | -0.03 | -0.03 | t | 65653 | TPLQCTM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 106221 | AAVTPEER | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 116286 | CGKGLSAT VTGGQKG RGSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 28299 | IRGDTFAT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.013 | -0.019 | t | 45770 | NSARVGTS SCRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 5380 | AVILLMCA VHPTLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0 | t | 119474 | KIRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.036 | -0.018 | -0.017 | t | 98976 | QYPLGQG SFRPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.027 | -0.031 | -0.03 | t | 122138 | LKKDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | 0.003 | 0.002 | t | 106146 | TQFAGKDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.052 | 0.06 | 0.06 | 0.06 | t | 156756 | SGPSYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140247 | KAAESEIEK LTTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.02 | t | 123244 | GMIPPPGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 144898 | GQSRGQS RG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 73298 | WYTTVPK YVATQGYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0.003 | 0 | t | 32809 | KPNNDFH FEVFN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.023 | 0.03 | 0.028 | t | 116974 | FKEQFLDG DGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.024 | -0.021 | -0.013 | -0.01 | t | 28607 | ISMDVNKS | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0.006 | 0.002 | t | 72259 | WARPDYN P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.011 | -0.011 | -0.012 | t | 27720 | INPSPFAQ TR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 107478 | KEYKCKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 107478 | KEYKCKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 143362 | ETPLMKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.049 | 0.042 | t | 134253 | VFFSGYTF KHKMVYE DTLTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.11 | 0.112 | 0.105 | 0.107 | 0.11 | t | 96171 | DEEDKEED EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.038 | 0.023 | 0.03 | 0.028 | t | 106495 | GYEVHHQ KLVF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.007 | -0.012 | t | 95752 | RAGFITELS EFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.026 | 0.037 | 0.04 | t | 52043 | QQIPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.026 | 0.03 | t | 110964 | PNLKLNN GTDYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140916 | VSYGEEKP AVLG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.003 | 0.02 | 0.022 | t | 114125 | HYGSLPQK SQRSQDE NPV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.017 | 0.03 | 0.03 | t | 5609 | AVVYNNE GTNVELG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.02 | t | 53145 | RALEDGIN FA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 117601 | PKKKRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 117601 | PKKKRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105715 | DLESIKGT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.03 | 0.03 | 0.031 | t | 114008 | VSLVEETSF I | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.017 | -0.02 | t | 138807 | RLQGISPKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.037 | 0.043 | 0.04 | t | 107800 | DSRGNPT VE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0 | 0.009 | 0.01 | t | 37354 | LLGNQSL | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.014 | 0.019 | 0.018 | t | 57184 | SDEVKRHT YNLTIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 64418 | TIPPSSPP | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.021 | t | 114224 | PQDENPV VHF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.027 | 0.02 | t | 11035 | EAESISSE EIVPNSVE QKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.014 | 0.019 | 0.02 | t | 29703 | IYTINDKILS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0 | t | 134073 | GRTCPKPD DLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.04 | t | 134764 | PTPGPSRR GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.003 | 0.01 | 0.01 | t | 159296 | SFSKPSNS WFPVEGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.013 | -0.01 | t | 1118 | AEPLLSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 140460 | EKLKHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 32683 | KPDYEPPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.031 | -0.017 | -0.02 | t | 110602 | GLKAKPKF TLGKRKAT PTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.023 | -0.03 | t | 123643 | PYMPPPG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.056 | 0.067 | 0.07 | t | 53957 | RGQSATA TYTNLQNS YYNG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0.007 | 0 | t | 118059 | PPPGMRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.003 | t | 137395 | EESEDEKR RWGQRD N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.003 | t | 111682 | QNFGFLFYP NKQPVYQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.003 | t | 111970 | YNQNLIRH VGGGTPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.003 | t | 111593 | NNIARMR LYDPNQA A | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.003 | t | 94838 | GTSSCRLV P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.003 | t | 56807 | SAHGTSTG VRGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.003 | t | 1367 | AFNQFGP NAGQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 122569 | SFQDENFV FEEF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.023 | 0.02 | t | 125565 | STDDYASF SRAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.001 | 0 | t | 56788 | SAFVFPTK D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.033 | -0.023 | -0.02 | t | 70490 | VPTAVYFS EK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.01 | -0.01 | t | 14210 | ESMAGKR EMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.02 | 0.019 | t | 112123 | GERGAAGI AGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 120839 | NLTEFQHA FS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.023 | 0.03 | 0.032 | t | 113139 | QSYKFIPAL E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.059 | -0.071 | -0.06 | -0.061 | t | 11370 | EDKLADYK RRMADA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.025 | 0.032 | 0.039 | 0.04 | t | 12125 | EGAPPA | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.003 | 0.01 | 0.01 | t | 10551 | DVDGINY WTKAITG GGEFTD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.003 | 0.01 | 0.01 | t | 10551 | DVDGINY WTKAITG GGEFTD | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.019 | -0.01 | -0.011 | t | 113660 | NIPLVSGP DIPINITDQ APS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.007 | -0.01 | t | 48828 | PPLPPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 131487 | IPDRFSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 49296 | PSAPPLPH VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.017 | -0.02 | t | 138807 | RLQGISPKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.013 | -0.012 | t | 14609 | ETYKFIPSL EAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.022 | 0.031 | 0.03 | t | 62967 | TAQAAPV QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.002 | t | 118185 | TSQFTGLK C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 21868 | GQGGSHS QWNKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.011 | t | 50609 | QEGVQQE GA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.006 | 0 | -0.002 | t | 71545 | VTV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 54431 | RKTKRNTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.03 | t | 17531 | FQSFPAGE PSNSKLSG FFQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.006 | -0.001 | t | 3274 | ANETIYNT TLKYGDV | MD |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.015 | t | 19617 | GFSGNMV ETEDTKEP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.015 | t | 19617 | GFSGNMV ETEDTKEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | 0 | 0 | t | 158923 | KSCTWPET HTLWGDA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.026 | -0.02 | -0.02 | t | 123437 | LKMWSDF LG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.008 | 0.02 | 0.02 | t | 32 | AAAETGV GVIKSIAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.032 | 0.03 | 0.027 | t | 118577 | RCPAKPEE EGMMINI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 15205 | FAKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.034 | -0.026 | -0.021 | -0.02 | t | 33661 | KTFESYRV | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.013 | -0.02 | t | 135993 | SGGLRLLL CLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.073 | 0.07 | t | 149035 | EGSGTTK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.03 | -0.019 | -0.02 | t | 12388 | EIAKTLLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.002 | 0 | -0.001 | t | 38747 | LPVCPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.011 | -0.014 | t | 1257 | AFASNRTF DITVSGLG TAPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.022 | t | 96102 | APPLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.007 | -0.009 | t | 69183 | VKAVTTLL KA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.026 | -0.017 | -0.021 | t | 7558 | DAKDGKEI DTKHLPS T C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.003 | t | 25645 | IDPRGKM V | MD |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.018 | t | 69025 | VILFVVIVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.039 | t | 57747 | SFEEDTEK DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.039 | t | 57747 | SFEEDTEK DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.01 | t | 100288 | LSKINQPY QK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.009 | -0.02 | -0.024 | t | 141052 | LRDIFAW E P | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.04 | 0.04 | t | 135941 | ITTQECAN VVVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.022 | t | 45303 | NPASTTNK DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.012 | t | 45392 | NPLLVE T W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 38810 | LQAMRKY SPFRNGY MEPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 47984 | PISLLFNEK EADDNDH EPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 60062 | SPGGLEPP SEKHFRET EV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 23722 | HEPQISPG GLEPPSEK HFRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.008 | 0.021 | 0.023 | t | 70384 | VPNLQGV PESPFSRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.041 | -0.027 | -0.03 | t | 18053 | FTQCSTMN VVSRTLFR KSPIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 78703 | KKKKTDEA QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 134087 | IGTLCADA R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 6455 | CITQYERES QAYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.017 | t | 26024 | IEYKVQFA TK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 19269 | GEGAPPA KRARTDQ ME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.01 | t | 59112 | SLFTPGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.03 | t | 106302 | CDIKTTLPP ITA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.019 | -0.021 | -0.022 | t | 44276 | NILISLTDL EIW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.019 | t | 137828 | DVLLAGN AEADR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.01 | 0.013 | 0.021 | 0.019 | t | 137828 | DVLLAGN AEADR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.021 | t | 125176 | NNSTGDFE L | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.002 | -0.011 | t | 1219 | AEVLKDAI KDLVMTK PAPTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.056 | 0.05 | t | 118533 | NEEAGDG TTTATV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 46969 | PATIGDYT DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.01 | -0.008 | t | 21055 | GLPAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 49296 | PSAPPLPH VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.063 | 0.06 | t | 149102 | SGPNATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.011 | -0.01 | t | 135804 | YTNIFLKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.033 | 0.04 | 0.04 | 0.04 | t | 113894 | STIDPAEEI E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 106976 | VPTQLYNL YPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 46353 | NVDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.002 | t | 118381 | GKTCPKKI PKGSKNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.002 | t | 117246 | VTWEVLE GEVEKEAL KKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 69125 | VITGTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 69125 | VITGTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.009 | t | 42696 | MSTNPKP QRKTKRNT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | -0.002 | t | 118387 | GPKGRTVII EQSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.053 | -0.062 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.021 | 0.022 | t | 45033 | NMTVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 3399 | ANRAVKP TGSAAIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.027 | 0.02 | t | 122996 | AAFQQGKI PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | -0.007 | 0.001 | -0.001 | t | 137892 | HGHGAFR QQFQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.001 | -0.001 | t | 137892 | HGHGAFR QQFQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.01 | 0.008 | 0.008 | t | 65796 | TPVCQFD GNTIS | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.027 | 0.021 | t | 119749 | ALQEACEA YLVGLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.032 | 0.037 | 0.03 | t | 125320 | YDGPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | -0.004 | 0.003 | 0 | t | 77801 | SVKKCLFE KC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 60358 | SQAAPYIE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 70389 | VPNLRGDL QVLAQKV A | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 70389 | VPNLRGDL QVLAQKV A | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.012 | 0.001 | 0 | t | 55706 | RRRAGRCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.009 | -0.01 | t | 744 | ADPPFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.065 | -0.06 | -0.063 | t | 132846 | KAKRLHLS PVRLAE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.045 | 0.043 | 0.04 | t | 138765 | EEIKMDIS KLNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 125212 | QHWSYGL RPGQHWS YGLRPG | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.077 | 0.078 | t | 135570 | LFDASDSS S | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 115342 | LTDYKKY LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.009 | 0 | 0 | t | 112443 | ACQKHTP PAP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.009 | 0 | 0 | t | 112443 | ACQKHTP PAP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.038 | 0.037 | 0.04 | t | 38463 | LPET | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 21408 | GNDYEDR YYRENMY RYPNQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 151032 | LYQNADTY VFVGSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.013 | -0.001 | 0 | t | 65514 | TPAYYTKD TNNNLTLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.055 | 0.057 | 0.058 | t | 98682 | AEPEQSLA CQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 149028 | AVTNATQ | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.042 | 0.051 | 0.05 | t | 3893 | APVQEGV QQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.042 | 0.051 | 0.05 | t | 3893 | APVQEGV QQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 57504 | SEKSEEIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 107660 | VLHQNWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.014 | 0.001 | 0 | t | 18025 | FTNKLKEK HTDLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.007 | -0.009 | t | 99774 | VVLGYTDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0 | 0.013 | 0.01 | t | 6702 | CNKKGEQ VGMSRPG L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.035 | 0.04 | 0.041 | t | 50872 | QGGNIVDI DFDSVP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0 | -0.002 | t | 57766 | SFFSYGEI | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.013 | -0.01 | t | 49993 | PVVAESPK KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.013 | 0.027 | 0.021 | t | 102441 | FRERQSSK NLLSCENS DRDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 151729 | RYSPSLNT RL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.008 | t | 30299 | KEALDKYE LENHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.038 | -0.03 | -0.03 | t | 38434 | LPDKFNAY LANKWV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.021 | 0.027 | 0.03 | 0.03 | t | 45628 | NQSLLETH | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.053 | 0.058 | 0.06 | 0.06 | t | 18105 | FTYEPPNDGEER | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.061 | 0.058 | 0.06 | 0.06 | t | 18105 | FTYEPPNDGEER | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.021 | t | 112507 | FAVLKLMGRGTK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 78479 | PETLPYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.04 | -0.027 | -0.02 | t | 128043 | LDAMPAGNPAFPVIPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.018 | 0.028 | 0.03 | 0.029 | t | 137827 | DVKSIAIEG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.023 | t | 58465 | SICSNNPTCWAICKR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | -0.001 | t | 130449 | CFFPNLSYC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.019 | t | 18743 | GAQLNAMKPDQLQNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.04 | 0.033 | t | 106738 | QKRAAYDQYGHAAFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 117773 | CNSRQTDREDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.02 | t | 71192 | VSVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.009 | t | 98834 | IRLSFNPTQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.09 | 0.088 | 0.09 | 0.09 | t | 120412 | ASKEKQENKIFADDIDISD | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 46969 | PATIGDYT DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.012 | t | 44740 | NLIDTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.027 | 0.027 | t | 22620 | GTDGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.008 | 0.002 | t | 131818 | AKEERRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.014 | 0.02 | 0.02 | t | 48452 | PLPPVA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0 | t | 109589 | MHEGLHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0 | t | 109589 | MHEGLHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 104238 | SDWWDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.011 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 152051 | PVVNSLDP PLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.007 | 0.011 | 0.012 | t | 32686 | KPEASSSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.01 | 0.023 | 0.03 | t | 128146 | WSVCVGL TTYVNDYV LPYLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.049 | 0.049 | 0.05 | t | 94746 | YREDMEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 60472 | SQKIQLI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.023 | -0.01 | -0.009 | t | 68846 | VHFFKNIV TPRTP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.013 | -0.022 | t | 104586 | NRVAPNV RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.011 | 0.01 | t | 10278 | DSYIII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.049 | t | 131023 | QTTANPSC PE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.018 | -0.02 | t | 48732 | PPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.032 | -0.02 | -0.02 | t | 65401 | TNQALKKE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.012 | t | 95979 | VPQPPVS QFHIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 70459 | VPQYLRW FEEWAE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.048 | -0.043 | -0.05 | t | 127963 | EPKPKKAP AKKGEKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.03 | 0.03 | t | 122876 | PSPDSKPT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 66542 | TTASPISSIF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.006 | 0.012 | 0.013 | t | 98954 | QEQVPLV QQQQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.006 | 0.012 | 0.013 | t | 98956 | QGSVQPQ QLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.007 | 0 | t | 144801 | TPPSVVGGLGVTMVH GNLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.043 | -0.043 | t | 5109 | ATPYHPPA TP | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.011 | -0.012 | t | 151073 | YEDVNGIR K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.004 | 0.01 | 0.01 | t | 43549 | NDYEDRYY REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.022 | 0.033 | 0.032 | t | 111177 | CVQSTHV DIRTLEDLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.022 | t | 45357 | NPGISGSR LLGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.021 | 0.03 | 0.029 | t | 44471 | NKDARELL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 108499 | KKGKKKDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.01 | 0.023 | 0.03 | t | 128136 | VFIADSDG KLNFKES VCVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0.002 | t | 133546 | DSARAAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.007 | t | 19636 | GFTTNEER YNVFAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.02 | t | 143932 | HNIWSAP RLIFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.027 | -0.03 | t | 45816 | NSGCFRHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.017 | t | 134704 | KFFNSNKK KRDDFEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | 0.003 | 0 | t | 25030 | HVDTESYF IVLSIAY | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.019 | t | 131969 | LSQLNQLS QISQLQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | -0.002 | t | 70953 | VSGHRMA WD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.022 | 0.02 | 0.019 | t | 40448 | LVLLDYQG MLPVCPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.038 | 0.03 | 0.028 | t | 79891 | KSADVESD V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 55135 | RPDYNPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.02 | t | 11199 | EATALDTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.012 | 0.009 | t | 19517 | GFEKISKG AN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 | t | 31406 | KIQRDEDS YGRDPYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 112935 | DFLTISPKL LGELLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.007 | 0.002 | t | 119648 | SWNSGAL T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.013 | 0.001 | 0 | t | 67167 | TVSSNGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.021 | 0.023 | 0.02 | t | 78270 | SIPIGS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.042 | 0.037 | 0.03 | 0.028 | t | 4702 | ASQKIQLV | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.007 | 0 | t | 131936 | KPVSSPD WNKQQDI V | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.032 | t | 49645 | PTGTAAAN YKTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.024 | 0.042 | 0.043 | t | 99046 | VQQQQFL GQQQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.034 | 0.04 | 0.04 | t | 57766 | SFFSYGEI | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.034 | 0.04 | 0.04 | t | 57766 | SFFSYGEI | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.007 | t | 19256 | GEEYLILSA R | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 134217 | RNVILFSVF DENRSWY LTEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.005 | 0.012 | 0.021 | t | 98781 | FPSQQPYL QLQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.053 | 0.05 | t | 149103 | SGPNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127906 | YVKLFPSN LD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.009 | -0.009 | t | 69106 | VIRVQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 137432 | NHNYPPLS LLTF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.021 | t | 119656 | TVDKSRW Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 134702 | KEKKYS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 9759 | DPRVRGLY LPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.015 | 0.01 | 0.007 | t | 70249 | VPANIKSM ALSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | 0.003 | 0.002 | t | 100432 | QLYAPEAF NY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.023 | -0.022 | t | 98851 | KKIIAEKTKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.033 | 0.039 | t | 144641 | FFENKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.05 | t | 119596 | IHIPSEKIW RPDLVLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.012 | t | 118614 | SSPSAKDIK KILDSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.046 | 0.053 | 0.052 | t | 106001 | PNIEADV N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.038 | 0.05 | 0.051 | t | 17629 | FRPSQQN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.024 | 0.03 | 0.033 | 0.028 | t | 123565 | NVKDYYQ KWM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.057 | 0.05 | t | 107501 | LDGKEYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.01 | t | 58371 | SHITSYPAY FW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.046 | -0.041 | -0.041 | t | 27553 | IMSALAM VYLGAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.001 | -0.002 | t | 57259 | SDPPLVAN QVVTCPD KKSTA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.018 | 0.025 | 0.03 | 0.03 | t | 27748 | INTLQNQG | Anas platyrhy nchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.023 | t | 108164 | TLVCLATG FFPDHVEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.002 | 0.01 | 0.01 | t | 4227 | ARQQTVS ALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.036 | 0.039 | 0.038 | t | 30001 | KAVYNFAT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.021 | t | 65982 | TQYQKES QAYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.01 | 0.01 | t | 100427 | QKNAPKTF QF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.03 | 0.043 | 0.053 | t | 136118 | AEFPLDIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.05 | 0.05 | t | 138765 | EEIKMDIS KLNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.017 | 0.02 | t | 159060 | RELDAET KAFLKAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 384 | AAQAALG LLQTASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.052 | 0.05 | 0.052 | t | 70654 | VQTMEEI N | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.02 | t | 116685 | CPAGWISL WKGFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.003 | -0.002 | t | 114946 | SEYPKPDC TA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.013 | -0.021 | t | 115591 | APEYRGRT ELLK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | -0.015 | -0.013 | -0.021 | t | 115591 | APEYRGRT ELLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.013 | -0.021 | t | 115591 | APEYRGRT ELLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.064 | 0.06 | 0.06 | t | 78806 | QSQIESR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.009 | t | 10594 | DVFQNGF TAWGNN D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 72087 | VYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0.002 | t | 131818 | AKEERRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.037 | 0.039 | t | 51147 | QIVGGVYL L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.019 | t | 41177 | MAYRFNG IGVTQNVL YE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.01 | 0.01 | t | 5205 | ATVSSNG D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.002 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.002 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 46859 | PALTAVET GATNPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 121690 | PAIALREY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.01 | t | 106302 | CDIKTTLPP ITA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.069 | t | 136365 | IDSNHVYK DFLT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 117208 | GLSLSRFS WGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 119618 | NHYTQKSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.008 | 0 | -0.002 | t | 51463 | QLPFPQQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.011 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0.003 | 0 | t | 125791 | CSFWSKYI QTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.003 | -0.001 | t | 75937 | YTAADCP GLLYLCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.016 | 0.021 | 0.02 | t | 41868 | MKNNPVY SESL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.016 | 0.021 | 0.02 | t | 41868 | MKNNPVY SESL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | -0.006 | 0 | -0.002 | t | 19266 | GEFPRHVK LKNEIENLL DQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.021 | 0.02 | t | 110571 | EKTGILTVT YHSETQRT K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.03 | t | 69312 | VKSASPHG ESNSSEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.017 | 0.028 | 0.03 | t | 12931 | ELADALLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 9278 | DLSLLGKA RKVVVTKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.046 | t | 117520 | GSFSDADL AD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 42603 | MSLSLLDL YLGRGYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.009 | -0.012 | t | 29287 | IVGGVYLL PR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.039 | -0.029 | -0.03 | t | 4467 | ASICQMFC FWRGDLV FDFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.002 | 0.01 | 0.01 | t | 51463 | QLPFPQQ PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 98737 | DPIELINLC TNALG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.033 | 0.03 | t | 149026 | ANITQSS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.002 | 0 | -0.003 | t | 55719 | RRRLRGTV WV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.001 | t | 105763 | EVHHQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.007 | -0.012 | t | 156871 | FQNIASMP HLYV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.022 | 0.031 | 0.03 | t | 62967 | TAQAAPV QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.022 | 0.031 | 0.03 | t | 62967 | TAQAAPV QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.029 | -0.023 | -0.03 | t | 128073 | PKKSAKKT PKKAKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.023 | 0.02 | 0.02 | t | 15395 | FDGTNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 123576 | PGAMPPQ Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.034 | -0.027 | -0.031 | t | 77793 | PKSKLSVK KC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.035 | -0.033 | -0.041 | t | 115607 | GPRHPIRA LVGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 78623 | DMDDFSR QLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.008 | t | 78623 | DMDDFSR QLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 78623 | DMDDFSR QLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.001 | 0 | t | 97181 | AFPLPTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.001 | 0 | t | 97181 | AFPLPTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.009 | 0.017 | 0.018 | t | 38582 | LPLPLLQS WM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.019 | -0.023 | t | 65694 | TPPPRRRR TVGLSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | -0.005 | 0.02 | 0.02 | 0.02 | t | 19268 | GEGAPP | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.009 | 0.02 | 0.02 | 0.02 | t | 19268 | GEGAPP | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.008 | t | 118288 | DDRNLNKVI SELNGKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.031 | t | 110104 | WQEGNVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.029 | 0.033 | t | 131878 | FLMLVGG STL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | 0 | 0 | t | 105340 | MPRCRHGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.04 | 0.033 | 0.038 | t | 134037 | DYDDTIS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.004 | 0 | t | 6721 | CNPPDCPGVGTG | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.02 | t | 46786 | PAEVTQLKGLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 75949 | YTASARGDLAHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 104132 | MSENVEQHNPINAGT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.039 | -0.031 | -0.03 | t | 74478 | YKLTRPYMARC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.007 | -0.008 | t | 5286 | AVCLGGLIGIPALIC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.03 | 0.037 | 0.04 | t | 47907 | PIGSENSEKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.007 | t | 95161 | TYGKFCIKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 21845 | GQAAWKEARA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 21845 | GQAAWKEARA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.04 | 0.041 | t | 130741 | ATGFVKKDAQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | 0 | t | 116039 | YPSYGLNY YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.009 | -0.013 | t | 103549 | RHGLSSLG WNLCRIF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.008 | 0 | 0 | t | 27935 | IPLNVGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.028 | 0.034 | 0.04 | 0.04 | t | 28898 | ITFKSGATF Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 110869 | GQAEPDR AHYNIVTF CCKCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 110828 | EIDGPAGQ AEPDRAH YNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 110974 | QDIVLHLE PQNEIPVD LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 110869 | GQAEPDR AHYNIVTF CCKCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0 | t | 23178 | GVTAPDTR RPAGSTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.028 | t | 60535 | SQQPQQP FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 47315 | PEKAFREL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.022 | -0.011 | -0.01 | t | 60445 | SQHI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.005 | 0.019 | 0.021 | t | 21816 | GPVEESVE RAMVRVA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 71809 | VVRFDKLP GFGDSIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 94838 | GTSSCRLV P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 76332 | YVLDGDKL LPKVAPQAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 27553 | IMSALAM VYLGAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 10254 | DSTRTQIN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.03 | -0.017 | -0.01 | t | 128043 | LDAMPAG NPAFPVIP G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.049 | -0.04 | -0.038 | t | 34792 | LAGRMIPK | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.023 | t | 20836 | GLFGAIAG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.013 | 0.012 | t | 78068 | VYDYNCH VDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.011 | t | 130449 | CFFPNLSY C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.003 | 0.009 | 0.008 | t | 52414 | QSQLERA NLRPCEQH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8697 | DILFPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.009 | 0 | t | 122445 | KQYSIEAA LRCRRISKE EYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0 | t | 122445 | KQYSIEAA LRCRRISKE EYH | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.026 | 0.019 | t | 23162 | GVSYNIGS QEWYTTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.01 | t | 12625 | EKAFREL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.022 | -0.009 | -0.01 | t | 7099 | CSVTCGVG VRVRRRV NAANK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.022 | -0.009 | -0.01 | t | 7099 | CSVTCGVG VRVRRRV NAANK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.039 | 0.05 | 0.052 | t | 111309 | GDTPTLHE YMLDLQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | 0.003 | 0 | t | 118824 | GRRPFFHP VGEADYFE YHQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.019 | 0.019 | 0.02 | t | 78609 | ANPSPHQ VYN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | -0.01 | t | 73785 | YEVARNVSG IYHVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.003 | -0.01 | t | 125462 | KLPLSLSFL HLTRADLS YPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.012 | -0.01 | -0.011 | t | 56107 | RTLKIPAM TI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0.008 | -0.003 | t | 98923 | PAVFKIDA LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 159291 | MQVTDD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0.001 | t | 118904 | MERKRRE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.011 | 0.02 | 0.019 | t | 113861 | SISTTNFTNP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.026 | -0.011 | -0.009 | t | 6210 | CEYNVFHNKTFELPRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.011 | t | 135507 | VVGAGP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.002 | t | 12105 | EFVVEFDLPGIKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.039 | -0.04 | t | 55781 | RRYPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112853 | TPTFMYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.055 | 0.042 | 0.053 | 0.05 | t | 95428 | GSGGDDDDPHGVPVQLSYYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | -0.005 | 0.001 | 0 | t | 147284 | SIFGLAPSKALDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.023 | -0.03 | t | 116927 | AVCRTSMCSIQSAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.002 | -0.001 | t | 25118 | HVVVNNKVATH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | -0.003 | -0.002 | t | 114977 | VMVLCNRNRAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 43157 | NAGTSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.013 | 0.01 | t | 12570 | EIRPSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.013 | 0.01 | t | 63165 | TDHAGSNDNIALLVQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | -0.001 | 0.017 | 0.023 | t | 153886 | SEEKANQR EEAYKEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.008 | t | 59757 | SMSYTWT GA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 121975 | VHPAIALR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.027 | 0.028 | t | 64638 | TKPSDGNC T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 115194 | CNISCDKF LD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | t | 68764 | VGPQSVG PLSVGPQS VGPLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.013 | 0.01 | t | 22708 | GTIINQDP DKILTYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127856 | TDVRYKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127856 | TDVRYKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.078 | -0.059 | -0.058 | t | 99842 | RPQQPYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.033 | 0.04 | 0.04 | t | 55248 | RPPETTTI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 119998 | KQQWVDY NLKWNPD DY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.009 | t | 119998 | KQQWVDY NLKWNPD DY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 119998 | KQQWVDY NLKWNPD DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 7673 | DAVTE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.043 | -0.051 | t | 119823 | EDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.008 | t | 59757 | SMSYTW TGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | 0.003 | -0.002 | t | 34169 | KVPTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 96735 | PKVTKEK P | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.034 | -0.02 | -0.018 | t | 99982 | EFLKKL KLDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.017 | -0.019 | t | 106873 | SSTGSID MVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.007 | t | 37311 | LLGACSF SSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.02 | t | 135955 | LRLLLCL LLLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.006 | -0.01 | t | 30945 | KGGRKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.032 | 0.02 | 0.026 | 0.02 | t | 109736 | PTGASG PL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.018 | t | 101953 | PDPLSP GE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 119658 | TYGIVLL SGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | -0.005 | 0.01 | 0.013 | t | 95142 | RIKNTDG SIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 108897 | EIDGPAG QAEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 134707 | KLPFSRL A REICVKF | Homo sapiens |

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|---|------|---|---|------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.021 | 0.04 | 0.043 | t | 71328 | VTGKVEYT KYND DD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.043 | 0.05 | 0.05 | t | 130908 | ITRTTLQSD QEEIDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.02 | t | 25795 | IEEVALSTT GEIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 71353 | VTHESYQE LVKKLEALE DA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.002 | t | 62779 | TAADTPTA TESISPSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.032 | t | 81782 | EQVEYPLK PI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.002 | t | 54157 | RIGYFGHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.002 | t | 121773 | QYVAMVA DRLFLY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | 0.003 | 0 | t | 35007 | LAVLLGAC SF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.007 | t | 22792 | GTQETGD TTPSAYSMS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | -0.001 | t | 118568 | QKIGIEIKR TLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.05 | 0.049 | t | 57746 | SFEEDTEE DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.05 | 0.049 | t | 57746 | SFEEDTEE DK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.022 | -0.01 | -0.008 | t | 42251 | MNYLLFCL FFAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.008 | t | 42251 | MNYLLFCL FFAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 119632 | QYNSTYRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.011 | 0.023 | 0.022 | t | 30516 | KELSQKTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.021 | 0.02 | t | 13266 | ELRWDLT DIYNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.021 | 0.02 | t | 13266 | ELRWDLT DIYNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.039 | t | 36953 | LKLYDDKN ASL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.008 | t | 49108 | PQQQPFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.02 | t | 47140 | PDLIPLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.02 | t | 47140 | PDLIPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.039 | -0.023 | -0.03 | t | 20065 | GGVAVIKA GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.063 | -0.053 | -0.05 | t | 72280 | WCRCGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.036 | 0.03 | t | 94481 | CSNNPTC WAICK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 122947 | WTQEPQP LEEKWQH RVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.063 | 0.06 | t | 149035 | EGSGTTK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 118556 | PPPGMIPP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.004 | 0.02 | 0.022 | t | 134684 | GSLPQKSQ RDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.013 | -0.001 | 0 | t | 65794 | TPVAPTQE VK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.039 | t | 137444 | SDEALPLG SPRCD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 138812 | SSVLYGGP PSAA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.013 | -0.02 | t | 132079 | SQLQRLLA QQQRAQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 115190 | CDKFLDDD LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 78375 | EPGITTNY DT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 136419 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 136418 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0.007 | 0 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0.007 | 0 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 118060 | PPPGMRP P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0.007 | 0 | t | 125540 | QSLRQRKS VNALNSPL HQEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0.007 | 0 | t | 122780 | GQELKNP QEETLQAF DSHYD | Homo sapiens |

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|---|------|---|---|---|-------|---|-------|---|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 123511 | MPPMTQ AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 117550 | KREAVAG RGRGRGR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 117380 | TKPAIRRL ARRGGVK RIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 108629 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 117300 | GSGKGKV QFQGKKT KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 105967 | MKRGLTV AVAGAAIL VAGLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 117245 | VTWEVLE GEVEKEAL KKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 108629 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 117295 | GITKPAIRR LARRGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 67607 | VAGLSGCS SNKSTTGS GETT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 42633 | MSPVNKS FEIEVTCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 25315 | IAIGGAAT GIAAVLTD GNPP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 4334 | ASATKDGS HYKITGTA TGVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 433 | AASGPKVV IDGKDQN VTGSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 4990 | ATGVDMA NPMSPVN KSFEIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.031 | t | 124590 | PSPRSQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 22303 | GSDYEDRY YRENM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 22303 | GSDYEDRY YRENM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 22303 | GSDYEDRY YRENM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 115531 | VAPFPEVF GKEKVNEL SKDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.019 | 0.018 | t | 40938 | LYRPSDSSL AGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46860 | PALVPDKE V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.033 | 0.03 | t | 149118 | TFGNRTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.011 | t | 78635 | EKIERNNK LKQPPPPP NPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 135457 | FGF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132411 | KMKGTFV E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.018 | 0.03 | 0.03 | 0.03 | t | 61391 | SSTISSCT | Macaca mulatta |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.006 | 0.02 | 0.021 | t | 45931 | NSNNKEYT | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.017 | -0.02 | t | 6983 | CSETFTNK LKEKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.038 | 0.05 | 0.05 | t | 102524 | IDDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.009 | -0.01 | t | 70481 | VPSPDPN NSPARP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.033 | 0.03 | t | 50272 | QAGQEMI LAVQGVQ D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.032 | t | 55232 | RPMIHF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.04 | 0.04 | t | 43575 | NEDNEKLR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.009 | -0.01 | t | 79011 | LDPAFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.055 | -0.049 | -0.051 | t | 50494 | QDMRNTI MASKTVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.017 | 0.012 | t | 108895 | EGNVFSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0 | t | 111497 | LMGTLGIV CPICSQKP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.02 | t | 9026 | DLAPEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.011 | -0.01 | t | 26244 | IGILGGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.02 | -0.011 | -0.01 | t | 26244 | IGILGGK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 115340 | LDDDLTDD IM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.061 | 0.059 | t | 64600 | TKKNYSEL DDEEPMELDYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.002 | -0.01 | -0.012 | t | 25649 | IDPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.021 | 0.019 | t | 103304 | KGLMNIAL AISAQQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.064 | 0.063 | 0.06 | t | 8119 | DEPAGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.029 | -0.023 | -0.023 | t | 105997 | PFKFFVPP SEQSLRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.038 | 0.05 | 0.05 | t | 34137 | KVNGGNL FDVSRVTF | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.058 | 0.063 | 0.07 | t | 134794 | SEATVAES DSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.006 | 0.013 | 0.019 | t | 120584 | HKTEKNKT EK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.009 | -0.009 | t | 69106 | VIRVQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.031 | t | 134039 | EDWDYAP LV LAPDDR SYKSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.01 | t | 98383 | QPFPQPQ LPYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.021 | t | 108104 | RRLPFGSQ M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 6059 | CCDLAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 38273 | LNLTTWN PTLLG | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.008 | t | 117456 | DGQFCH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0.003 | 0 | t | 78292 | VPTKYH | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.061 | 0.07 | 0.07 | t | 133698 | SLLTEVETP IRNEWG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.006 | 0.011 | 0.01 | t | 71838 | VVSTLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 105341 | MPRCRRG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.017 | -0.02 | t | 115351 | LKQKSSNS RKKRSTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | 0 | 0.003 | 0 | t | 24694 | HRMAWD MMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.078 | 0.074 | 0.078 | t | 7959 | DEEEYDE DEYEDYDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.013 | t | 146963 | GGEDVAV FARGPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.01 | -0.01 | t | 100629 | VRKQYKR DIQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.011 | 0.02 | 0.022 | t | 20473 | GIVEFYTD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.017 | t | 68858 | VHILCYCY GLPDSEP | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.055 | -0.04 | -0.04 | t | 25900 | IENAIRMIS D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.031 | t | 55232 | RPMIHF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.012 | t | 57215 | SDIEKKVN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.02 | -0.01 | -0.01 | t | 140836 | DEAAYSKN RRAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.043 | 0.04 | t | 131762 | YAASSYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134752 | MGPKRRQ LTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.027 | 0.03 | 0.03 | t | 61824 | STPLLYPSL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | 0.003 | 0 | t | 106779 | RKPLSPG MTGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.039 | -0.033 | -0.033 | t | 117396 | VKNLHNQ ARS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.011 | t | 46806 | PAGGAYS MYTNWE QD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.021 | t | 130543 | LLKGKGDK AQIEKRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.001 | 0 | t | 64644 | TKPTDPTG IE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.04 | 0.043 | 0.038 | t | 21738 | GPPVDPTS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.046 | -0.04 | -0.042 | t | 33548 | KSVIIGCTG GSPEKHHC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 74727 | YLKASA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.007 | -0.01 | t | 52898 | QYENLKYT VIITVHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.042 | 0.05 | 0.049 | t | 153445 | QMTKLAT TEELPDEF VVVTA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.007 | -0.01 | t | 46473 | NVSAIFMA VLLTLQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 131100 | TDSEMDV VRFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 115396 | NLLRFFVA PFPEVFGK EKVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.047 | 0.048 | t | 110877 | GTVGENV PDDLYIKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.037 | t | 105702 | CVYDQYG TEFEDYSY ES | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.026 | -0.031 | t | 119605 | KSRWQQG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0 | 0.013 | 0.01 | t | 67941 | VDFEEDTL PK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.022 | -0.023 | -0.02 | t | 139939 | VLPWPWE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.021 | 0.03 | 0.03 | t | 99945 | DIRDLSSEE E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.027 | 0.02 | t | 135975 | PTLAFLQD VMNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.062 | 0.057 | 0.05 | t | 130859 | GLLAQQM DY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.003 | 0.007 | 0.012 | t | 65983 | TQYTDAPS FS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.003 | 0.017 | 0.012 | t | 156799 | VYATRSSA VRLRSSV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.035 | -0.02 | -0.02 | t | 43796 | NEYGVEG GRVNAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.035 | -0.02 | -0.02 | t | 43796 | NEYGVEG GRVNAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.023 | t | 18524 | GAARQPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.046 | 0.04 | t | 118567 | QIEKRIQEII EQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 125791 | CSFWSKYI QTLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.027 | 0.027 | t | 116740 | GRDPYSPS QDPYSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | 0.001 | 0.002 | t | 96453 | KFKEAFLR SV | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.023 | -0.023 | t | 70443 | VPQKAVP YPQRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.002 | t | 43233 | NANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 34965 | LASLRKAF ADTVPV PSNY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 28075 | IPSTAFTDI AWVRLPN HY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.002 | t | 6402 | CHPSDGK CN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.002 | t | 10069 | DRYIPYSP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.01 | t | 123282 | HACQKKLL KFEALQQE EGEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.01 | 0.01 | t | 123282 | HACQKKLL KFEALQQE EGEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.001 | 0.01 | 0.01 | t | 123282 | HACQKKLL KFEALQQE EGEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9754 | DPRVRGLY F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.001 | 0.011 | 0.01 | t | 110571 | EKTGILTVT YHSETQRT K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.003 | -0.013 | t | 49763 | PTRAETRE ERMERKR REKIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 153441 | QKESTLHL VLRLRGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.078 | 0.07 | 0.07 | 0.069 | t | 136365 | IDSNHVYK DFLT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.027 | -0.034 | t | 142007 | SDWRFLR GYHQYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.013 | -0.011 | -0.012 | t | 111820 | TEAVPGDP DVNRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | -0.005 | t | 122912 | TDVRYKD DMYHFFC PAIQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135953 | LLQYVVK S FDRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.009 | -0.002 | 0 | t | 51474 | QLPNVGIT QGIV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 22063 | GRGYNVSS IVTMTSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.031 | t | 118822 | GPPRPGM MPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.007 | 0.008 | t | 303 | AALTKAIT AMTQA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.003 | 0.01 | 0.01 | t | 105704 | DEAFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.023 | -0.03 | t | 134803 | THLLIRKLP FSRLAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 98059 | GEWAGKD KIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 7532 | DAHHAAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.02 | -0.02 | -0.022 | t | 9756 | DPRVRGLY FPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.02 | -0.02 | -0.022 | t | 9756 | DPRVRGLY FPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.02 | -0.02 | -0.022 | t | 9756 | DPRVRGLY FPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.039 | -0.03 | -0.03 | t | 99946 | DIYGKDAL LH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.02 | -0.02 | t | 134656 | DSDMGR MGPI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 19735 | GGFVQFV TSTRNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 19735 | GGFVQFV TSTRNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.017 | 0.018 | t | 6985 | CSEYPKPD CTAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.037 | 0.03 | t | 126903 | QVINVREG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.011 | 0.02 | 0.02 | t | 49690 | PTLDHVLD | Anas platyrhy nchos |

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|---|------|---|---|------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.063 | 0.059 | t | 78872 | VIPDREVL YQEFDEM EECAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.043 | 0.041 | t | 68017 | VDLPQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 140605 | TLYDALGA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 79403 | SVGDYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.001 | 0.008 | t | 115795 | IPTINTIAS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.056 | 0.053 | 0.051 | t | 67967 | VDGSDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 140462 | FNTKHDM QGDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.013 | 0.03 | 0.033 | t | 97023 | VATRSQTD TSEKDC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 141726 | PTAPPLLP HS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 141067 | PLSLEPDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 139935 | VIAIALFGT IATANAAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 137962 | RDSPEDFV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 139830 | MKKISSVI AIALFGTIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 137401 | FEDVW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 144364 | ITDAVITVP AYFND | Mus musculu s |

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|---|------|---|---|---|-------|---|---|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.004 | t | 144364 | ITDAVITVP AYFND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 141004 | EPDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 141760 | TAPPLLPH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 141761 | TAPPLLPH SNLD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 142006 | SDSAQGS DVSLTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 151327 | PDGAAAG GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 151763 | WYRATHQ E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 137866 | GDTRPRFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 141605 | APPLLPHS NL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 141859 | ASSNSAQ GSDESLIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 122749 | EIIGFGQEL KNPQEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133642 | MCPEMSF VAVHSCA R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133531 | CDTLKPGE C | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|-----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133705 | SSKTRSG VHLVGPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 131956 | LPKSAKPV SQMRMA TPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.004 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133632 | LRCYSHCT FYFASST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133528 | CADQKPG EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133630 | LPPGLHVF PLASNRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Cricetulu s migrator ius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 132045 | RMATPLL MRPMSM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133580 | GFLSSCNF RFCELVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133624 | KPGEMRG AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133539 | CYKPGEW AC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133698 | SLLTEVETP IRNEWG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133542 | DGRRDVV VRSATFYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 122861 | NALNSPLH QEYEENL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133622 | KPGDPSAL HVVRCWI C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.004 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 133536 | CKPVENRA C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 122392 | HARLRDSG RAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 108600 | QLINTNGS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 100508 | SGYEVHH QKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 104695 | YLLYYTEFT PTEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 115035 | ASSDSSNT E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 113628 | LRLIHYSYD VN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97594 | QTPLTETA LKWH | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 76275 | YVFYSGNG PKASGGD YCIQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 62003 | STWHVLVS PNVSVPS SSTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 75441 | YPYDVPDY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 91100 | AFQTPVHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97595 | QTPLTMA ALELF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97726 | VETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 62289 | SVPSSSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 61824 | STPLLYPSL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97777 | YKNMILGT SVNIYEYIG KLQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 62859 | TAGLVGLL TPGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 75802 | YSLRLTPRP VSRFLGNN SIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 91109 | AHFVQQT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 74798 | YLLPRRGP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97287 | ETPLTETAL KWH | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97605 | RIVRGPAN LRNLKEFK E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97288 | ETQLTTAG LRLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 75441 | YPYDVDPY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 66600 | TTETGKGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 92794 | GENKRPN DKAGEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 66841 | TTTCFRDT DTGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 75441 | YPYDVDPY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 76491 | YYDGRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 76491 | YYDGRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 74798 | YLLPRRGP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 97650 | SLLTEVET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 57812 | SFKVTALN VVSRRYLA SLHK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 52792 | QVSLESVD VYFQDVF GTMWC | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 38628 | LPPTAPPLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 48557 | PMIHFGN DWEDRYR REN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.004 | t | 49539 | PSTSSKLRP RWTFTSPP VTT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 57542 | SELSQLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 37793 | LLSHSNLD HI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.004 | t | 46371 | NVESQPG GQPNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 45597 | NQNNFVH DCVNITIK QHTVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 59374 | SLNTGWL AGLFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 37656 | LLPHSNLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 40938 | LYRPSDSSL AGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 46371 | NVESQPG GQPNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculus |

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|---|------|---|---|---|-------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 44920 | NLVPMVA TV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.004 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 59374 | SLNTGWL AGLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 33206 | KRPNDKA G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 21407 | GNDYEDR YYREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 20089 | GGWNTG GSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 23254 | GWGQPH GGGWGQ PHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 15509 | FEDVKGTG GESRDLP SQQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 10888 | DYGGDSTT PRPRYNAT TYLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 10987 | EAAGIGILT V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 14686 | EVETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 14686 | EVETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 24402 | HNQWNK PSK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 30200 | KDLLEQKR AAVDTYC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 14686 | EVETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 10815 | DWIWNQ MHIDEEK NE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 10908 | DYKDDDD K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 11571 | EEEDDDM GFGFLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.004 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 11571 | EEEDDDM GFGFLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 12941 | ELAGIGILT V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 22280 | GSAMSRPI IHFGSDYE DRYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 1165 | AESPKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 1257 | AFASNRTF DITVSGLG TAPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 6457 | CITQYQRE SQAYYQR G | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 145508 | SARIPCFLA G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.04 | -0.029 | -0.03 | t | 42618 | MSPARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.019 | 0.03 | 0.03 | t | 144776 | SEISTGLVG ITSVAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 119925 | HFPFDEQ NGSMKLG TWT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 119925 | HFPFDEQ NGSMKLG TWT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 134704 | KFFNSNKK KRDDFEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.01 | t | 62500 | SWVDIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.001 | 0.01 | 0.009 | t | 36043 | LGAALLQS AR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.013 | -0.012 | t | 47897 | PIFKSGRG CGSCFEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.007 | 0.01 | t | 96085 | ALCSEKLD QWLCEKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.021 | 0.02 | t | 3592 | APHLPYIE QGMQLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74415 | YIWPRND YDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9611 | DPDKDVDI MV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 149028 | AVTNATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.019 | 0.029 | 0.03 | t | 47136 | PDLERYAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.011 | 0.017 | 0.02 | t | 79622 | NYARTGG QVTAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 73974 | YGAAFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.024 | -0.017 | -0.021 | t | 77808 | YGCWKGL VGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.007 | -0.012 | t | 134189 | PPPSLPGP PRPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.031 | 0.03 | t | 86716 | NFNSNNY TYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.015 | 0 | 0 | t | 71354 | VTHESYQE LVKKLEALE DAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.015 | 0 | 0 | t | 71354 | VTHESYQE LVKKLEALE DAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.013 | -0.013 | -0.02 | t | 127676 | GTIFDNFLI T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.01 | 0.01 | t | 81325 | DVKASA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.01 | t | 41604 | MGLKVVN SAIFMAVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.004 | t | 64628 | TKNTNNN LTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.02 | -0.02 | -0.022 | t | 156945 | QLHTSI | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.007 | 0 | -0.002 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.057 | 0.057 | 0.05 | t | 138217 | PREQQFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.033 | 0.03 | t | 130608 | SIDLKDKYK NIGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.011 | t | 79898 | LDPLVTAL LGAFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.011 | t | 79898 | LDPLVTAL LGAFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.01 | 0.003 | 0 | t | 58036 | SGFSETVTI VEDTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.013 | 0.031 | 0.032 | t | 151070 | WTLVEPG DKITFEAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.004 | 0.007 | 0.011 | t | 78412 | GYKDVDK APFNGMT GCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.048 | -0.033 | -0.03 | t | 63798 | TGCRAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | -0.003 | t | 131101 | TDSEMDV VRFDDDN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.029 | -0.03 | t | 61553 | STDKNRGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.019 | t | 18743 | GAQLNAM KPDQLQNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.01 | 0.023 | 0.02 | t | 69171 | VIYSKYGG TE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | 0.001 | -0.003 | t | 103548 | RGLRAAAE AGVRLAF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.041 | 0.04 | t | 17557 | FQYSPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.003 | -0.002 | t | 42162 | MMNWSPTTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.008 | 0.01 | 0.008 | t | 141622 | DPNGWTGTDNNFSI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.002 | 0.01 | 0.01 | t | 140594 | RELVLAGTI | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.004 | 0.01 | 0.01 | t | 21956 | GQSFQNTWEGQAASA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | -0.004 | 0.01 | 0.01 | t | 21956 | GQSFQNTWEGQAASA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.005 | -0.01 | -0.012 | t | 95979 | VPQPPVSQFHIQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.01 | 0.009 | t | 95092 | GYQKTVDHTKVNSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 122465 | LKRDMKSAHLLPEH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.01 | 0 | 0.002 | t | 72903 | WNPTLLGE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.005 | 0.009 | 0.01 | t | 68584 | VFTKENTI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.044 | -0.037 | -0.037 | t | 78186 | KMDKLELKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46860 | PALVPDKEV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.016 | 0.02 | 0.02 | t | 76350 | YVLLSEKKI S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.033 | 0.032 | t | 20464 | GITQGIVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.03 | t | 119599 | KAEEYILKK PRSELMFE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 119593 | HYTQKSLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.028 | 0.021 | 0.018 | t | 138930 | WDPEEGQ IVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.049 | 0.04 | 0.05 | 0.05 | t | 12435 | EIEDTEGLK EVIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.041 | 0.03 | 0.03 | 0.028 | t | 156965 | SVQERYYA FWST | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.003 | -0.01 | t | 98435 | RYPHYSSLI KPESSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.004 | t | 135921 | EVGWYRS PF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.017 | 0.01 | t | 118266 | APAAGSA PAAAEKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.004 | 0.01 | 0.012 | t | 72903 | WNPTLLG E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.032 | t | 107315 | DGKEYKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0.007 | 0 | t | 120420 | AVTYTEHA KRKTVTA M | Homo sapiens |

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|---|------|---|---|------|--------|-------|-------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 69124 | VITGSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.01 | t | 126328 | ISHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48597 | PNANPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.005 | 0.016 | 0.02 | t | 71162 | VSTQSAKN PPGATV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 43746 | NESKYSNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.039 | 0.05 | 0.052 | t | 111790 | SLVEETSFI DAGAPTS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.019 | 0.017 | 0.009 | t | 119549 | YRKTAKEG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.017 | 0.009 | t | 119549 | YRKTAKEG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.017 | 0.009 | t | 119549 | YRKTAKEG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.039 | 0.031 | 0.027 | t | 82611 | GEQQEAIK SA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.009 | t | 19637 | GFTTNEPR YNVFAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.009 | t | 19637 | GFTTNEPR YNVFAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0.003 | 0 | t | 74374 | YISPYFINT S | Homo sapiens |

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|---|------|---|---|------|--------|--------|--------|-------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.019 | 0.03 | 0.032 | t | 111742 | RRETQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | 0 | 0 | t | 144748 | QAVNPNA GN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.053 | 0.057 | 0.062 | t | 14576 | ETTTIPPS | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 136648 | SPLNNFYK TQLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 106223 | ADGGAQG TA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.012 | 0 | 0 | t | 12375 | EHWSYGL RPG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.012 | 0 | 0 | t | 12375 | EHWSYGL RPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.022 | 0.031 | 0.03 | t | 13460 | ENDVLNQ ETEEEMEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.011 | -0.001 | 0 | t | 73973 | YFYVGLDY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.013 | 0.03 | 0.032 | t | 30181 | KDKIAKEQ ENKETIGTL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136063 | FIRFDKRIE AEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.01 | -0.001 | 0 | t | 51168 | QKAREAFR | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | 0.003 | 0 | t | 45556 | NQGAWP AG | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 131107 | TGVEAAA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 79285 | LDPEYWN FRNGDLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.023 | 0.02 | t | 57508 | SEKTIWSLI AWQRSNA EFEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.03 | -0.03 | t | 73745 | YEQGGNIV DI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.031 | -0.03 | -0.03 | t | 73745 | YEQGGNIV DI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.031 | -0.03 | -0.03 | t | 73745 | YEQGGNIV DI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.036 | -0.021 | -0.018 | t | 15289 | FATNREK M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.014 | -0.01 | -0.009 | t | 141953 | LTACKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | 0.003 | 0 | t | 2981 | ALVREGLR NV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0 | 0 | t | 140601 | SLYSFPEPE A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117621 | QVKGFB | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.025 | -0.02 | -0.019 | t | 126828 | PKYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.01 | t | 141967 | NGDKSTQ KYNELKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 141067 | PLSLEPDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.038 | -0.04 | t | 7830 | DDMPGCY PMCTLNK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.04 | t | 133611 | IVSYLCDLA PEAPPPTL PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.009 | 0.027 | 0.032 | t | 153828 | ERAEERAE TGESKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.01 | t | 30863 | KFTEPVKDI M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.052 | 0.043 | 0.039 | t | 78403 | GLQNDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.022 | -0.02 | -0.021 | t | 131316 | TLMVMVS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.003 | t | 103838 | DAEFRHDS GYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.04 | 0.04 | t | 56711 | SAAQEKIS F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.041 | t | 108152 | TCPPCPAP ELLGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.02 | 0.02 | 0.018 | t | 156961 | SLLASTT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.038 | 0.043 | 0.041 | t | 99265 | GDKELF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.018 | t | 16955 | FLVLLLFSL L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.008 | 0.02 | 0.022 | t | 7901 | DEADRYFT YEEP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.019 | t | 137937 | NKIFADDI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.016 | 0.011 | 0.009 | t | 60810 | SRSTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.016 | 0.011 | 0.009 | t | 60810 | SRSTSL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48753 | PPAYEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.011 | 0 | t | 118566 | QDFSQYRS LKFRPKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.019 | 0.021 | 0.019 | t | 65479 | TNVVIRAC NFELCDNPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.009 | -0.01 | t | 122442 | KPMSNFR FGENHA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.03 | -0.031 | t | 114223 | PFSRVVHL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.031 | 0.03 | t | 2979 | ALVPDKEVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.032 | t | 8475 | DGQPAGD RADGQPA GDRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 108104 | RRLPFGSQ M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.009 | 0.011 | 0.012 | t | 9719 | DPPFSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105853 | GVTHDQL N | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.01 | 0.02 | 0.022 | t | 120919 | RLNEAVKY TG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 111690 | QTATLTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.007 | -0.01 | t | 11819 | EENVEHDA | Aotus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.023 | 0.031 | t | 107784 | DGSFFLY | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.052 | 0.053 | 0.051 | t | 99359 | IVDDVNC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 68548 | VFPTKDVA L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.025 | -0.01 | -0.008 | t | 104298 | TEATAIRP AQVGYNT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.033 | 0.028 | t | 156843 | AHSEMG T RATMT | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.007 | 0.009 | t | 49377 | PSGLVIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.007 | -0.008 | t | 39980 | LTIVSGGP TLFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.041 | 0.05 | 0.051 | t | 100635 | VTNYLVDG NG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | 0.003 | 0.002 | t | 95323 | DPTTNV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.015 | 0.01 | 0.006 | t | 6385 | CHGIFTLT WEIWGY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.029 | 0.028 | t | 116974 | FKEQFLDG DGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.019 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 115308 | KFLDDDLT DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.018 | -0.011 | -0.012 | t | 22784 | GTPNPNP NPNPNPN PGTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.004 | 0.001 | t | 134143 | LMPPKY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.021 | t | 144682 | HLVGSALS DP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.008 | 0.01 | t | 54923 | RMMATK DSFQSFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.014 | t | 125052 | FSLRLMEE NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | -0.002 | 0.003 | 0 | t | 33748 | KTKRSAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.029 | -0.021 | -0.02 | t | 53693 | RFDRGYIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 119576 | EYKCKVSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.031 | 0.03 | t | 97598 | RDLLKKG VDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.009 | t | 130585 | QKKIRGILE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.009 | 0.01 | t | 17545 | FQVEVP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.009 | t | 78424 | IPRSRQIDL QIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.05 | 0.06 | 0.06 | t | 49646 | PTGTPLDI DTASE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.04 | 0.053 | 0.052 | t | 125229 | RDSEGDV AEKLGPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.001 | 0.008 | t | 115700 | CEKDERFF SD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.029 | 0.03 | t | 4448 | ASHLEQYG TNEYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.022 | -0.009 | -0.009 | t | 1022 | AEKQKAAE ATKVAE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.029 | 0.03 | t | 88388 | SAWNSDS EKPFDDHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.014 | -0.021 | t | 19737 | GGGAGAG GAGAGGG GR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.032 | 0.04 | 0.04 | t | 6953 | CRTNYGYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.017 | -0.02 | t | 41659 | MHGDTPPT LHEYM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.027 | -0.032 | -0.033 | t | 157292 | GAIIGLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.063 | 0.062 | 0.06 | t | 142225 | LNDSSEEE DEID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.054 | -0.051 | -0.05 | t | 145934 | PDIIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.042 | 0.039 | 0.04 | t | 32116 | KLQPGDD PLLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.002 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.003 | 0.003 | 0 | t | 73254 | WWYEGLP QQHYIGLV A | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130567 | NPCEDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130559 | NAHYVFF EEQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130581 | QAFDSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130625 | TVIDKDAF G | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|----------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130916 | KEDFDIYD EDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 133372 | SPSPTPTP GPSRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122562 | RRQPHVV SQW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130585 | QKKIRGILE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110760 | ACKDSDW PFCSD EDWDW PFC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 115399 | NMAINPS KENLCSTF CKEVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 113731 | PTSPQQSG QGQQPG QGQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110946 | MSTRSVSS SSYRRMFG GPGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110833 | EQFNWVS RLANLTQG EDQYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 115379 | MAIPPKKN QDKTEIPTI NTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110821 | DVRQQYE SVAAKNL QEAEW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110794 | CDDDDDN DGVPSR DNCRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 109917 | SHQESTRG RSRGRSGR SGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110946 | MSTRSVSS SSYRRMFG GPGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 111042 | TIHAHPGS RRGGRHG YHH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110820 | DVRQQYE SVAAKNL QEAEW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110798 | CPTGCQL QEALLQQE RPIRN | Mus musculus |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110997 | RCHAANP NGRYYWG GQYTWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 115532 | VATEEVKI TVDDKHY QKALN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110834 | EQLKGQG KSRLGDLY EEEMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110999 | REEAENTL QSFRQDV NTLQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 111033 | STYDRDN DGWLTSD PRKQCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110820 | DVRQQYE SVAAKNL QEAEW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110955 | NQNPGSP RPGSTGT WNPSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 113580 | KPQQQSP QQQFPQQ QIPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 115437 | QKALNEIN QFYQKFP QYLQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 78939 | CINHRGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 51827 | QPFPQPQ LPYPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 8756 | DIPNPIGSE NSEKTTM PLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 66311 | TSLNLQKD EPN | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.01 | 0.01 | 0.009 | t | 153838 | HQKRTAM FQDPQER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.04 | -0.041 | t | 95041 | SLAGKRE MA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 112841 | SSKRGRQT PVLYAML DH | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.08 | 0.078 | t | 129058 | KEESEED EDMGFGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | -0.005 | 0.013 | 0.012 | t | 95277 | CGTTDSTA TTKISEVFT E | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.011 | 0.007 | 0.008 | t | 30141 | KDERFFSD KI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.043 | 0.04 | t | 13984 | ERESQAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | 0 | 0 | t | 159083 | RYKYPET PKQLAKVV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.031 | -0.019 | -0.02 | t | 110468 | YYVLHLCL AATKYPLL KLLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 70439 | VPPVIKQV SA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.001 | 0.01 | 0.01 | t | 96874 | SIAPDLSLD FEKLVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.001 | 0.01 | 0.01 | t | 96874 | SIAPDLSLD FEKLVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133539 | CYKPGEW AC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.034 | -0.031 | -0.031 | t | 31834 | KLFAVWKI TYKDT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23223 | GVYLLPRR GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.019 | 0 | 0.003 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 135501 | SQWNKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.02 | -0.003 | 0.001 | -0.002 | t | 111240 | EGTEAVPG DPDVNRF | Cricetina e |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.014 | 0.019 | 0.02 | t | 42985 | MVQVVYD YQH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.001 | 0.003 | -0.001 | t | 99579 | QNIRQGA KEPYPEFV | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.004 | 0.007 | t | 115675 | AFLLYQEP VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.022 | 0.03 | 0.03 | t | 62967 | TAQAAPV QEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.003 | -0.01 | t | 121473 | KKAKAKAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 119578 | FAIVKFTKV LLQYTGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.069 | 0.054 | 0.06 | 0.06 | t | 64557 | TKEYEDIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | -0.002 | t | 25445 | IAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.017 | 0.019 | t | 52420 | QSRGEAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.02 | 0.027 | 0.031 | t | 72065 | VYKLDISEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.021 | 0.012 | t | 118441 | IWLWNKQ KYEAGTYP QT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.013 | 0.011 | t | 114318 | ELLHQRFF KNVESTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0 | t | 30145 | KDFLEVTF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47124 | PDKEVLYQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.029 | 0.031 | t | 10336 | DTFNPVYP YDTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.032 | t | 66385 | TSQGMYG GTYLVEKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.007 | -0.008 | t | 144700 | KEWAKRA ALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.059 | -0.046 | -0.05 | t | 136002 | TKQMVQ MRRKLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.006 | -0.007 | -0.01 | t | 97207 | APAFADV VI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.017 | 0.001 | 0.002 | t | 32687 | KPEASSTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 63037 | TAVSPTTL R | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.011 | 0.002 | t | 118601 | SGKGKVQ FQGKKTKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.009 | 0 | 0 | t | 27959 | IPNGTYRA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43704 | NENLLRFF VAPFPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.01 | -0.008 | t | 96849 | SAETIF | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.01 | -0.008 | t | 96849 | SAETIF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.023 | -0.01 | -0.008 | t | 96849 | SAETIF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.007 | 0.02 | 0.022 | t | 82932 | GTNVELG GRLSI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.011 | -0.012 | t | 78615 | CPGHANR KQCGG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 18808 | GAVDSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.025 | 0.043 | 0.042 | t | 33717 | KTIINNDF NFDDYNY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.003 | -0.012 | t | 29265 | IVFKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.008 | 0.01 | 0.012 | t | 49636 | PTGPTIAA GGEQPPS | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.007 | -0.011 | t | 118430 | ISDAMKKV GRKGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.013 | 0.01 | t | 158947 | LDIDIDPKV KVATLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.027 | 0.03 | t | 49703 | PTLLGEAT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 117315 | KALSVETE KLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 117336 | NGWSHKD LLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6059 | CCDLAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 107126 | GAPGTPG PQG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.027 | -0.029 | -0.032 | t | 41171 | MAWDM MMNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.002 | t | 53481 | REEAYKEQ IKTLTNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.003 | -0.008 | t | 14426 | ETIGTLKKI LDETVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.013 | 0.01 | t | 52825 | QVYYRPV DQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.017 | 0.017 | t | 111030 | SRGSEGFF SPMLGEFV SETE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.013 | 0.011 | t | 98980 | RELSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 125552 | RRFEYDDP RFLRLDLA QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.001 | t | 17504 | FQNEKWD L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.03 | -0.032 | t | 70395 | VPNLRGD RHALA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.02 | 0.033 | 0.03 | t | 11090 | EAKESPAN NPGLSTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.021 | t | 114224 | PQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.023 | 0.033 | 0.033 | t | 142474 | SSTTGVA M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 44144 | NHIHSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.058 | 0.06 | 0.062 | t | 137209 | ITANVTDE SYLY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 96715 | NVPKVTKE KP | Homo sapiens(human) |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 35247 | LDPAFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.034 | t | 133552 | ECAYCLTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.035 | 0.037 | 0.037 | t | 116000 | TPTTEAVE ST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.02 | -0.007 | 0 | t | 127950 | DVPVVTSTV TTAGVGPS PDIT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.007 | -0.001 | t | 119453 | FSNHGEIK WIDFVRG AKEGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.019 | -0.02 | -0.01 | -0.008 | t | 60478 | SQKNGGY V | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 59112 | SLFTPGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.019 | t | 137828 | DVLLAGN AEADR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.006 | 0.013 | 0.02 | 0.019 | t | 137828 | DVLLAGN AEADR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.009 | 0.011 | t | 11744 | EELFKEYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.021 | t | 12539 | EIPALTAVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.041 | 0.05 | 0.05 | t | 20046 | GGTEESVV TASRS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 63662 | TFGLQLEL T | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0 | 0.007 | 0.01 | t | 32787 | KPLEDKILV Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117140 | DWEYSVW LSN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.017 | 0.02 | t | 75991 | YTDAPSFSDIPNPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.029 | -0.03 | t | 98354 | PVVRNNIYHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.003 | 0 | t | 67297 | TWSGKFPT | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.009 | t | 159050 | PKRLTATTEKLEIGWK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.008 | -0.008 | t | 96453 | KFKEAFLRSV | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | -0.007 | -0.003 | t | 131015 | QDRRLDEN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.037 | -0.03 | -0.031 | t | 33794 | KTNMKHM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.022 | 0.02 | 0.02 | t | 45462 | NPQVNLVD | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.022 | 0.02 | 0.02 | t | 45462 | NPQVNLVD | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.025 | -0.013 | -0.01 | t | 38937 | LQPFQPQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.011 | 0.012 | t | 47426 | PESPFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.011 | t | 78344 | AEIRGERK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.009 | t | 40611 | LVTKDIDFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.026 | 0.027 | 0.027 | t | 114761 | DCSEYPKPDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.018 | t | 101309 | TPIESHQVEKR | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.041 | -0.03 | -0.03 | t | 54095 | RHRQPRG WEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.041 | -0.03 | -0.03 | t | 54095 | RHRQPRG WEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.052 | -0.04 | -0.04 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.052 | -0.04 | -0.04 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.008 | 0 | 0 | t | 84250 | KEVAREAS KKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.013 | -0.012 | t | 13911 | EQQRFRN CQRYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.006 | -0.001 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.006 | -0.001 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.021 | t | 63967 | TGSQDFV RSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.023 | -0.031 | t | 140672 | EQIYRVDL RTLRL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.027 | 0.021 | t | 121475 | KKGEKVPK GKKGKAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | -0.003 | t | 49764 | PTRTIGGS QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 76350 | YVLLSEKKI S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.017 | 0.023 | 0.03 | t | 141931 | ITKLTPEEL ENLAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 142449 | NNQNLSV VQALL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | 0.001 | t | 141567 | TQDGLYH NKN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.007 | -0.007 | t | 115483 | SFFDIGGS VSAGFSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.017 | 0 | 0.003 | t | 68833 | VHASFFDI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0 | 0.003 | t | 68833 | VHASFFDI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.042 | 0.05 | 0.05 | t | 3893 | APVQEGV QQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.042 | 0.05 | 0.05 | t | 3893 | APVQEGV QQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | -0.01 | 0 | 0 | t | 91345 | FYQEVLFK GFEAV | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.014 | 0 | 0 | t | 18025 | FTNKLKEK HTDLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.064 | 0.06 | t | 144812 | VTGCIPT EQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.006 | 0.003 | 0.01 | t | 98364 | QFVPIQNS KS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.042 | 0.039 | 0.037 | t | 96828 | RLKEEED KK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.003 | -0.005 | t | 99922 | DAEFRHDS GY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.009 | t | 98763 | ENKVLVLD TD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.026 | -0.017 | -0.021 | t | 7558 | DAKDGKEI DTKHLPT C | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.006 | 0.019 | 0.02 | t | 14227 | ESPANNP GLSTVRDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 51428 | QLLRIPQAI MDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.043 | -0.04 | -0.039 | t | 124708 | SFERFEIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.011 | 0.01 | t | 43693 | NEMVLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.039 | t | 57747 | SFEEDTEK DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.039 | -0.03 | -0.03 | t | 100318 | NAPKTFQF IN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.038 | -0.023 | -0.02 | t | 20683 | GKSMANT WPYFGYY MGGNML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.043 | 0.041 | t | 68017 | VDLPQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 11815 | EENVEENV EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.004 | 0.01 | 0.013 | t | 94564 | KIAKEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.01 | 0.003 | 0.01 | t | 128090 | QYYRLPM NAYRDFTS EPLNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.017 | 0.01 | t | 122996 | AAFQQGKI PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.01 | 0.01 | t | 123117 | EEVKGDYL K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.045 | 0.051 | 0.05 | t | 16144 | FHSTSSES N | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 46969 | PATIGDYT DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 60709 | SRKAYDH NSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.011 | 0.01 | t | 60709 | SRKAYDH NSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 152053 | PYCLGSPS QDGY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.01 | t | 51929 | QPQQPQQ SFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.006 | 0.003 | 0.01 | t | 98378 | QNSKSAYT PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0.007 | 0.002 | t | 104895 | LVEALYLV CGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.013 | t | 131656 | SGKLEEFV Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.027 | t | 106764 | QYTSIHG VVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.038 | 0.03 | 0.03 | 0.029 | t | 136648 | SPLNNFYK TQLR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.011 | t | 121474 | KKAPAKKG EKVPKGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.007 | -0.011 | t | 56804 | SAGRSTGS LVRLFAPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.041 | -0.03 | -0.03 | t | 6540 | CLAVLLGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.044 | 0.044 | 0.049 | t | 12187 | EGIHAQQ KEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 132268 | ENGYLME AAP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | -0.018 | 0 | 0.002 | t | 92556 | EIIGQNGE RI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.021 | 0.02 | t | 34238 | KVVLPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.021 | -0.02 | t | 74476 | YKLPDHVR T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.048 | 0.05 | t | 135974 | PSNSASVP ALTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.049 | 0.05 | t | 48900 | PPQWKLP P | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.009 | 0.01 | t | 60446 | SQHIDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 67605 | VAGLEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | 0.003 | 0 | t | 95414 | GLDLDVN VFR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 124015 | DKTEDVDI EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 138812 | SSVLYGGP PSAA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 140718 | NKWERAR YAER | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 140672 | EQIYRVDL RTLRL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 140681 | GPEYWEQ QTRIAKEW EQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.011 | 0 | t | 103892 | ERYWLRS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.021 | 0.02 | t | 110571 | EKTGILTVT YHSETQRT K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.02 | t | 62830 | TAEGRain | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 18441 | FYNQKFKG KATL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.017 | 0.019 | t | 73312 | YAADITNG L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.016 | t | 25139 | HWSISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.009 | -0.01 | t | 20082 | GGVYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.022 | t | 95294 | CSNGGLDL DV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 132098 | TLLLEGVM AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 55382 | RPYCWHY PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.004 | 0.017 | 0.012 | t | 55838 | RSFQNKKS LVAFKIMP LEDm | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.009 | t | 130806 | EMDVVRF DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.08 | 0.081 | t | 117235 | SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.01 | t | 51925 | QPQQPFP QSQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.001 | 0 | t | 50168 | PYSASFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.003 | 0.01 | 0.011 | t | 114740 | AQGHRPQ DE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.003 | 0.01 | 0.011 | t | 114740 | AQGHRPQ DE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.003 | 0.01 | 0.011 | t | 114740 | AQGHRPQ DE | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 21601 | GPEET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 21601 | GPEET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 21601 | GPEET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.01 | 0.001 | 0 | t | 38369 | LNVSREVL QESRILRVI KKK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.013 | -0.023 | t | 119455 | GGQFNFD EGTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.03 | t | 119475 | KKIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.014 | 0.019 | t | 119888 | GARVYAY VFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4486 | ASINKFVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25254 | IAEHQFKE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.014 | -0.02 | -0.022 | t | 139062 | GIWPEKIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.011 | 0.01 | t | 43110 | NAAFS | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.019 | -0.022 | t | 141580 | YIGVAPRK AIPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.014 | 0.009 | t | 139494 | ERGSAGH WTSESSVS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131852 | DVDEPLEV FISA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 115308 | KFLDDDLT DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 115201 | DDIMCVK KIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.002 | t | 60722 | SRLGRSSA WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.02 | t | 123579 | PGMIPPP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.041 | -0.044 | -0.041 | t | 118947 | PFSAPPPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 106598 | LEAYAFDI AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.03 | t | 54302 | RITYLTETKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.032 | t | 137399 | FCGLPRLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | -0.003 | t | 36959 | LKMADPN RFRGKD | MD |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.035 | -0.02 | -0.02 | t | 13897 | EQPFPSRL GPLVTLE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.02 | -0.003 | 0.001 | -0.002 | t | 111106 | AKIQLPTL NEDLT | Cricetina e |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.012 | 0.016 | t | 144324 | GVSTITAD EIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.006 | -0.001 | t | 65050 | TLRVYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.001 | 0.001 | 0.002 | t | 71545 | VTV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 104520 | IAKEQENK ETIGTLKKI LDE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.072 | 0.063 | 0.06 | t | 138763 | DWEYSEGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.02 | t | 156603 | AEVLRDGD DCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 146337 | IPEEIKQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.038 | 0.038 | t | 106501 | HCGIVDSK LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | 0 | -0.002 | t | 10853 | DYAWDQTH HQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.02 | t | 119617 | NGQPENNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 56700 | SAAGLEVR YV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0 | 0.01 | 0.011 | t | 93373 | MDKVLNRE EESL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.005 | 0.017 | 0.021 | t | 100 | AAEAACFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.012 | t | 130407 | YSSIAWL | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0.002 | 0.002 | t | 98686 | AHGRSQVL LQQST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.048 | 0.053 | 0.051 | t | 99274 | GGFSEV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.022 | -0.023 | -0.02 | t | 46722 | NYVLMVP K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 16443 | FKQKALGL LQTATK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.042 | 0.051 | 0.05 | t | 7383 | CYGVSATK LNDLCFSN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 77781 | GLVGRPKS KL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.051 | 0.051 | 0.049 | t | 56386 | RVQYEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 134421 | KQIPECEN VKTTQCVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.019 | -0.021 | t | 137837 | EGAVALA DRASS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 135956 | LRQLTPEQ LSTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.007 | 0.01 | 0.011 | t | 49325 | PSDKHIEQ YLKKIQNSL STE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.008 | t | 51922 | QPQQPFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.038 | 0.045 | 0.051 | 0.05 | t | 50156 | PYQGSQK GVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140461 | EVSLHDM NLATH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.042 | -0.027 | -0.028 | t | 95920 | TNVARP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.039 | -0.037 | -0.04 | t | 78220 | NKWTWYL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.017 | 0.021 | 0.019 | t | 103457 | PAEFLENF VRSSNLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.038 | 0.049 | 0.051 | t | 17629 | FRPSQQN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 116677 | ASATQLYK TCKQAGT CPPD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.003 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 95040 | SHRPREAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.003 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.017 | 0 | 0 | -0.003 | t | 75571 | YQWLTRV GKYRPQD KPNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 95032 | PAGTGDRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 64396 | TINKPKGY VGKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.003 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.003 | t | 91165 | CCELCNP ACAGCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.003 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.003 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.003 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.003 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 59922 | SNTFINNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.003 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.003 | t | 54058 | RHKQKIVA PVKQTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | -0.003 | t | 46094 | NTFYCCEL CCNPACA GCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | -0.003 | t | 46094 | NTFYCCEL CCNPACA GCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 58783 | SKAFSNCY PYDVPDYA SL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.003 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 49006 | PQGQGV T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.017 | 0 | 0 | -0.003 | t | 55818 | RSDYKFYE DANGTRD HKKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.003 | t | 54058 | RHKQKIVA PVKQTL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.003 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 9516 | DNNLVSG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 1330 | AFKGGNG AKKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45407 | NPNANPN A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.001 | 0 | t | 19893 | GGIVTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0 | t | 131874 | EVFISAPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.027 | -0.02 | -0.022 | t | 33795 | KTNMKH MAGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.006 | 0 | -0.002 | t | 139191 | NYTCCKLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.044 | 0.041 | 0.039 | t | 45659 | NRDFVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65555 | TPEMDIPG QV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65555 | TPEMDIPG QV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.04 | 0.043 | 0.04 | t | 118567 | QIEKRIQEII EQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 140892 | QILDAHAA YLNATPAA KVLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.011 | -0.01 | t | 34435 | KYGGTEIK YN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.007 | 0.009 | t | 257 | AAKVLVEG NTDERGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.007 | 0.008 | t | 114920 | PVCGTDG VTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.002 | 0.01 | 0.011 | t | 36543 | LIGVKGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.011 | t | 125055 | FVYGGCQ GNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.027 | -0.03 | t | 7055 | CSPHHTAL RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 60449 | SQHLPYIE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 60449 | SQHLPYIE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.053 | 0.059 | 0.06 | t | 135805 | YVNSTEAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.053 | 0.059 | 0.06 | t | 135805 | YVNSTEAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 50505 | QDPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.024 | 0.021 | t | 122194 | STVQDCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.054 | 0.05 | t | 76307 | YVKELPTE VQKLKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.021 | t | 7046 | CSNKSKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.018 | -0.01 | -0.011 | t | 32138 | KLRPFERDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.007 | -0.008 | t | 144816 | WSHNFTN MLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.038 | 0.03 | t | 110909 | IVTFCKKC DSTLRLCV QST | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 26619 | IIPDREVLVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.017 | -0.011 | -0.01 | t | 46859 | PALTAVET GATNPL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.027 | 0.028 | t | 58037 | SGFTLEFLE HAFSVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.011 | 0.01 | t | 66539 | TTASGKLIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.023 | -0.028 | t | 118061 | PPPGMRP PMG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.02 | -0.02 | t | 122843 | LNAGNQL S | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.023 | -0.023 | t | 115630 | NFDKLYIW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.011 | -0.007 | -0.002 | t | 98434 | RYMDQPS RD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.036 | -0.03 | -0.03 | t | 123438 | LKMWSNF LG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.033 | 0.04 | 0.04 | t | 79158 | ASPYGNA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.02 | t | 118548 | PAPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.02 | -0.02 | t | 118548 | PAPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.029 | t | 14841 | EVPGSQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.03 | t | 26375 | IHFGSDYE DRYY | Mus musculus |

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|---|------|---|---|-------|-------|-------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.03 | t | 26375 | IHFGSDYE DRYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 135939 | IPVLDENG LFAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 139846 | PEWWLEE PPFISSGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 141683 | KDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 139841 | PAGRQAR RPATVPEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 95051 | YSQFEKSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 95032 | PAGTGDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 30262 | KDTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7674 | DAVTELDK N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7673 | DAVTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.014 | -0.02 | t | 158670 | ADTFNFKT FFHTIGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 49270 | PRVRGLY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0 | t | 774 | ADSVGGK D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.024 | t | 138227 | QKRAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.05 | t | 118361 | FRFLALKLY FSFTRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 118779 | EEAKKFLA PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.007 | -0.01 | t | 108323 | DTPPPCPR CP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.03 | 0.03 | t | 48396 | PLLGNQSL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.03 | t | 72466 | WGENDTD VFVLNNTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 122799 | IKYIAEQLE S | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.032 | 0.04 | 0.04 | t | 141748 | SLLTEVETP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.005 | 0.012 | 0.021 | t | 98783 | FQQPLQQ YPLGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.033 | 0.028 | t | 121347 | GPLTVAQK KAQNIME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.033 | 0.028 | t | 121347 | GPLTVAQK KAQNIME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.026 | 0.03 | t | 20064 | GGVATY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47119 | PDKEILYEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.007 | 0.007 | t | 105977 | NHEQEFLR YQQQSRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.017 | -0.011 | -0.01 | t | 52694 | QVEVPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.009 | -0.01 | t | 40213 | LTTAATRFM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.02 | t | 14844 | EVPLGVAA DANK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 120396 | AGYIPFDQ DL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 140458 | EHNDFPM YTWRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.019 | 0.02 | t | 32418 | KMVYATN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.02 | 0.012 | t | 138553 | PVPHGTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 106976 | VPTQLYNL YPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.019 | 0.02 | t | 73312 | YAADITNG L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.002 | 0.009 | 0.01 | t | 51463 | QLPFPQQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.01 | 0.01 | t | 159172 | TTDSGKLV TDWCCRS C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.021 | -0.021 | t | 56699 | SAAFYYRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.026 | 0.02 | t | 57632 | SESTEGDA MEDIKQM EAESI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.03 | t | 62967 | TAQAAPV QEG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.07 | -0.059 | -0.062 | t | 103143 | EMIEAVGY RSWPRYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0.002 | t | 94553 | IFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.029 | -0.023 | -0.03 | t | 113211 | VPVLAFDA ARLRLLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.009 | -0.01 | t | 67168 | TVSSQSFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.011 | t | 135935 | IEQGWGS PKVTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.055 | 0.057 | 0.06 | t | 12507 | EILLNQLA | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.022 | -0.011 | -0.009 | t | 141560 | SDEALPPG SPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.001 | t | 18363 | FWRGDLV FDFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 139500 | FHTHISV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.007 | -0.009 | t | 144823 | YWEGSGI GAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.018 | -0.01 | -0.01 | t | 45156 | NNKTPNSI AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.019 | 0.02 | t | 19268 | GEGAPP | Marmot a monax |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.007 | -0.012 | t | 13728 | EPPVVHG C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.029 | 0.03 | t | 4448 | ASHLEQYG TNEYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.04 | -0.03 | -0.03 | t | 53449 | REAFRRYQ | Anas platyrhy nchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.002 | t | 139840 | PAAFAFL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.023 | 0.02 | 0.019 | t | 125127 | LDPENLTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.03 | t | 122715 | AKHDLDIKPT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 134702 | KEKKYS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 97282 | ESNNL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.053 | -0.053 | -0.052 | t | 111135 | AWLAQFVLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 119519 | RKVVTSL E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.038 | 0.05 | 0.051 | t | 17629 | FRPSQQN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.023 | 0.019 | t | 119855 | FAESRIRRETIAAED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.023 | 0.019 | t | 119855 | FAESRIRRETIAAED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 115335 | KYLLFCMENS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.023 | 0.02 | t | 55048 | RNQE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.007 | 0.019 | 0.02 | t | 67445 | TYRATYQDFD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 78479 | PETLPYL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.007 | 0 | t | 110817 | DSTLRLCV QSTHVDIR TLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.007 | 0 | t | 110869 | GQAEPDR AHYNIVTF CCKCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.01 | t | 47315 | PEKAFREL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.008 | t | 106330 | DFDCSKIQ ST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 5562 | AVTKGTIN DPEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 42951 | MVIITFKS GA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.007 | -0.01 | t | 18053 | FTQCSTMN VVSKTLFR KSPIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.011 | 0.008 | t | 133775 | AETNRAPF DLAEAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.006 | -0.001 | -0.002 | t | 14009 | ERKIKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.039 | 0.04 | t | 66183 | TSEEFQVK ETSSGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.036 | -0.018 | -0.017 | t | 99014 | SQCQAIH NVVHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.02 | t | 12258 | EGRFKSQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.051 | 0.043 | t | 132014 | PQIVPEPM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.016 | 0.023 | 0.02 | t | 7996 | DEGESPTP AT | Capra hircus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.028 | -0.02 | -0.022 | t | 6953 | CRTNYGYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.03 | t | 115605 | GDEVELPC RISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.033 | 0.043 | 0.04 | t | 107254 | TQSPGTLS LSPGERAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.043 | -0.039 | t | 51431 | QLRLKKY KV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.014 | -0.013 | t | 131038 | RKIAKDEG AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.014 | -0.01 | -0.01 | t | 12625 | EKAFAEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.014 | -0.01 | -0.01 | t | 12625 | EKAFAEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.02 | t | 119923 | GYISKAQE YFN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.04 | t | 119411 | YKYFPEVK TKGMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.012 | -0.011 | -0.012 | t | 120889 | QISYSCNV LIYPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.031 | 0.033 | t | 131117 | TRDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.011 | -0.014 | t | 46488 | NVSVSPSPS STPLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.002 | t | 78028 | TCRNNDT CRAPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | -0.003 | t | 134088 | IHGKTQG ARQKFSS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 117565 | LKAVKMTL KNREP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 115234 | EQLTKCEV FR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.015 | 0 | 0.001 | t | 122048 | YCEIIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.018 | -0.01 | -0.01 | t | 12417 | EIDKGIYQT SNFRVVPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.015 | 0.009 | 0.008 | t | 53894 | RGKDLPVL DQLTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 117464 | DVEPKVKS KKREAVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 117465 | DVEPKVKS KKREAVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.031 | -0.02 | -0.018 | t | 111382 | GTLGIVCPI CSQKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.031 | 0.037 | 0.041 | t | 64998 | TLPDTEKQ I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.017 | -0.02 | t | 27244 | ILPGGGTA LIRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0.002 | t | 133725 | TVCTYRDF MY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.013 | 0.01 | t | 125575 | THDALKAV KQLIKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.027 | 0.02 | t | 119560 | DLVLYNNA DGDFAIVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.027 | 0.02 | t | 119560 | DLVLYNNA DGDFAIVK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.023 | -0.03 | t | 116927 | AVCRTSM CSIQSAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 23174 | GVTRPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.01 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.011 | -0.011 | t | 31075 | KGTMDSG QTKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.037 | 0.04 | 0.04 | t | 61996 | STVSSEAN AEDVVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.043 | -0.059 | -0.07 | t | 948 | AEGGTWR I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.047 | 0.047 | t | 135854 | IQQSIERL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.02 | t | 123511 | MPPMTQ AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 30799 | KFNPDLAG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.04 | t | 123278 | GYLKDLPT T | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.029 | 0.03 | t | 4448 | ASHLEQYG TNEYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.001 | -0.001 | 0 | t | 78836 | SPKRIGTG DR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.001 | t | 52420 | QSRGEAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.047 | 0.05 | 0.05 | t | 141004 | EPDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.07 | -0.059 | -0.061 | t | 96133 | AYGIKSNV VR | Homo sapiens(human) |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.009 | t | 107479 | KFNWYVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156886 | HGLYGS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.018 | -0.02 | -0.021 | t | 120077 | LMRYWAN FAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.013 | t | 156975 | WSSTVLRV SPTRTV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.02 | t | 21497 | GNPNRPD GGILT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | -0.003 | -0.002 | t | 60019 | SPDRKRRA DEEEYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 9132 | DLIPLLR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.05 | t | 107607 | RVVSVLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.033 | -0.019 | -0.02 | t | 137946 | PGYYRLTLI ANG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.004 | 0.01 | 0.01 | t | 54908 | RMKDTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.037 | -0.036 | t | 23176 | GVTRPSAP PLPHVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 15523 | FEEVNGIR KP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 15517 | FEEINGIRK P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 141894 | FEQEPSSE EPKDSKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 141894 | FEQEPSSE EPKDSKL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.011 | 0.011 | t | 13735 | EPQVYTLP PSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.011 | t | 117298 | GPSRRGPS LGASSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.011 | t | 117298 | GPSRRGPS LGASSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 137888 | GTEYTV EV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.001 | t | 141523 | ALEPPHNL PVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.016 | -0.009 | -0.01 | t | 22835 | GTSMDDE ADRYF | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 78379 | FEPSKSISG VSHYLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.033 | 0.033 | t | 110733 | VGENVPD DLYIKGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.017 | -0.003 | 0 | t | 60098 | SPKGGAI SI KDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.001 | 0 | t | 138238 | SMLDTP T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.004 | -0.011 | t | 138190 | HNAKTKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 51976 | QPTLTFGA GVNVPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.02 | t | 51976 | QPTLTFGA GVNVPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.012 | 0.02 | 0.019 | t | 10326 | DTEEDKPK YE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.035 | 0.034 | 0.03 | t | 720 | ADLPQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.017 | -0.003 | -0.008 | t | 156799 | VYATRSSA VRLRSSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.029 | 0.03 | t | 4448 | ASHLEQYG TNEYS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 53924 | RGLYFPAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47119 | PDKEILYEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.003 | 0.011 | 0.01 | t | 14074 | ERSDLEPSI PSEYM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.052 | t | 145831 | IPLGTRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.05 | t | 51072 | QIGNTVTP TVTFTMD GDTMT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.05 | t | 51072 | QIGNTVTP TVTFTMD GDTMT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.05 | t | 51072 | QIGNTVTP TVTFTMD GDTMT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.02 | t | 32331 | KMITEFEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 42984 | MVQVVYD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 135990 | SASVPALT AVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.012 | 0.01 | 0.009 | t | 95521 | KQTLPPSV | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 153865 | PETTDLYC Y | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.013 | 0.01 | t | 95676 | PPRPTRPT TLPPTPLLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.03 | t | 113001 | GIRKFAAD AVKLERM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.002 | 0 | -0.003 | t | 146808 | CTPKSDEF NPCEDIM GYKFL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.023 | t | 20523 | GKCGVSIP YK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0.002 | t | 133546 | DSARAAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.024 | 0.02 | 0.018 | t | 100074 | GNINYACG QGID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 23689 | HEHHGVY NQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.01 | 0.021 | 0.02 | t | 103641 | TDVIPETD GAKEGPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.022 | -0.01 | -0.01 | t | 115610 | GSLPQKA QGHRPQD EN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.021 | 0.021 | 0.02 | t | 13266 | ELRWDLT DIYNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.019 | t | 150972 | CKLRGVAP LHLGKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 111573 | MSSQFYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.007 | 0.01 | t | 55293 | RPQDVKEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.009 | t | 122094 | FLALDVPTI GLC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.019 | 0.029 | 0.03 | t | 54004 | RGTYETGN KKVHGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.03 | t | 21675 | GPKLSTDLI KNQCVNF NF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 109756 | QKSLSLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.01 | t | 117329 | MAVPETR PNHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.007 | -0.008 | t | 111745 | RSSRTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 119410 | YKMFPEVK EKGMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 119410 | YKMFPEVK EKGMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.047 | 0.05 | 0.051 | t | 94606 | LTGGFYEP L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.017 | -0.021 | t | 117300 | GSGKGKV QFQGKKT KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 117809 | EALTKHFQ D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.005 | 0 | 0 | t | 139764 | GNYDRLE QLAGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.002 | 0.02 | 0.022 | t | 78835 | SPDKLLTFI ASDTCPLV | Canis familiari s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 13775 | EPTPNAYY EGVFCSSS S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 13775 | EPTPNAYY EGVFCSSS S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 13775 | EPTPNAYY EGVFCSSS S | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.029 | -0.03 | t | 55782 | RRYPFVKF T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 125869 | EEEEEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.05 | 0.05 | t | 136006 | VETGHTSQ VTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.031 | 0.022 | t | 118621 | TGEVYRGK LIEAED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0.003 | 0.002 | t | 72255 | WAQPGYP W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.039 | -0.03 | -0.03 | t | 135923 | FRIPVTINA PLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.01 | t | 136436 | KPVVGMPI VEVW | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.01 | 0.01 | t | 113539 | IIPKVEGKT IAEQILQY GSM | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.01 | 0.01 | t | 113539 | IIPKVEGKT IAEQILQY GSM | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 136077 | PPPTPPP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.03 | t | 107534 | NWYVDGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 34297 | KWGVTTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 130585 | QKKIRGILE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 73384 | YALADASL KMAD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 73384 | YALADASL KMAD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.009 | 0.01 | t | 9614 | DPDKILTYI AA | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.042 | -0.04 | -0.04 | t | 73033 | WRIGYFG H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.017 | -0.02 | t | 6983 | CSETFTNK LKEKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.004 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.061 | 0.066 | 0.07 | t | 110884 | HEYMLDL QPETTDLY CYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.061 | 0.066 | 0.07 | t | 110884 | HEYMLDL QPETTDLY CYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.011 | 0.01 | t | 134859 | AGENLNTS KFKKNEF | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.009 | t | 41529 | MFNPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.007 | -0.001 | t | 119548 | YRKKSSAE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.007 | -0.001 | t | 119548 | YRKKSSAE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 39167 | LRPTFDTR LM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.013 | -0.012 | t | 44035 | NGNATPQ LTKNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 136753 | YHKYTFYK YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.064 | 0.069 | 0.069 | 0.072 | t | 99136 | DDDTFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.028 | 0.04 | 0.043 | t | 27068 | ILGGVATY GA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.021 | -0.01 | -0.011 | t | 22037 | GRFRTIVC GLFPTQ | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.02 | t | 123610 | PPGAMPP Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.023 | 0.041 | 0.042 | t | 151071 | YAADLKST QNAIDEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | -0.013 | 0.02 | 0.027 | t | 102172 | VDQQQQP TQGDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.018 | t | 55825 | RSELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.013 | -0.02 | t | 136003 | TRKDINTV TTVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.022 | t | 132064 | SLLGQLSG QV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 98851 | KKIIAEKTKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.002 | 0.013 | 0.01 | t | 75203 | YNPLYGSR LGVPDTLG GDPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.021 | 0.029 | 0.03 | t | 10785 | DVVTGAT V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.02 | -0.019 | -0.021 | t | 97018 | TVTFKATA AT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.042 | t | 136074 | LVKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.048 | 0.049 | 0.05 | t | 15323 | FCETNGLE YI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 112282 | QYLSSFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.001 | -0.001 | t | 138082 | VVGCGSS HHETH | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | -0.007 | 0.001 | -0.001 | t | 138082 | VVGCGSS HHETH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.008 | t | 20052 | GGTHSQW NKPSKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.02 | -0.02 | t | 66792 | TTQTKPKS AF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.023 | 0.018 | t | 58377 | SHLKLFTIK YVDVNTN ELLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.052 | 0.05 | 0.052 | t | 70654 | VQTMEEI N | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.056 | -0.049 | -0.051 | t | 78370 | EFMKEAD KEAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.009 | 0.01 | 0.009 | t | 24841 | HSQWNKP SKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.029 | 0.03 | t | 1794 | AHLKAYAK INEESL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | -0.014 | 0 | 0 | t | 142324 | VELAILIDN INNTLVNL EWL | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.013 | t | 151652 | HWWRAE SDEARRCY NDPKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.043 | 0.05 | 0.05 | t | 130908 | ITRTTLQSD QEEIDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | -0.002 | t | 124925 | YYVFFEEQ EDEIIGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 59922 | SNTFINNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.019 | 0.02 | t | 96964 | TKAAEKQ MKD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 151729 | RYSPSLNT RL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.016 | 0.03 | 0.032 | t | 140080 | YEKEPTTP TRTPDQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.016 | 0.03 | 0.032 | t | 140080 | YEKEPTTP TRTPDQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | -0.001 | 0 | t | 47363 | PEMVDVV T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.023 | 0.022 | t | 111253 | ENDEIDGV NHQHLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.007 | 0.007 | t | 29810 | KAGNEGLE WVEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 158924 | KSCTWPET HTLWGDG I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 122293 | CTYVLDPE NLTLKAPY EA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.008 | 0.01 | 0.011 | t | 74008 | YGGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.011 | t | 74008 | YGGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.003 | -0.006 | -0.012 | t | 130622 | TGLVAQG TDSIG | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.051 | 0.05 | t | 131128 | VEMKKED FDIYDEDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.043 | 0.051 | 0.05 | t | 131128 | VEMKKED FDIYDEDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.024 | -0.01 | -0.01 | t | 149980 | TLKIPSVHF GSPSGS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.01 | t | 144594 | ARGISRTK YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156858 | DMSYYYAL PTYT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.013 | t | 144325 | GVTTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.045 | -0.03 | -0.028 | t | 104295 | TAIRPAQV GYNTPYM NF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134769 | QIFNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 100153 | INDQIKFII N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 112931 | DATTNPSL ILAAQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.03 | t | 84461 | KLEFFTYLR FDLELT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.008 | t | 78687 | IRVRKRKG SNKKAEDT LED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.053 | -0.05 | -0.051 | t | 98849 | KIPAVFKID A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.034 | -0.021 | -0.02 | t | 14772 | EVLTRRQS QDPKYVT QRIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.01 | 0.007 | 0.012 | t | 74475 | YKLNIFYD LLRAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.013 | -0.022 | t | 134815 | VKDEPQR RSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.022 | -0.01 | -0.01 | t | 114041 | YGSLPQKA QGHRPQD EN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.039 | 0.04 | t | 62289 | SVPSSSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.02 | t | 6455 | CITQYERES QAYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.014 | 0.003 | 0.002 | t | 7705 | DCHLLGTE ELSGIPPP RGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 32635 | KNVVTGE VQVLYTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.021 | 0.03 | 0.03 | t | 100477 | RNKTQEE HLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.035 | 0.04 | 0.038 | t | 138316 | DALGNVTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 135923 | FRIPVTINA PLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.043 | -0.042 | t | 5109 | ATPYHPPA TP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.002 | 0.01 | 0.011 | t | 125209 | QFQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.014 | 0.023 | 0.022 | t | 115148 | KAVSEKKA KGLGESRK DKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 115047 | ELQFPFLQ D | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131413 | ERILTIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.008 | t | 140610 | TQWQGFS VA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.023 | -0.021 | -0.022 | t | 151073 | YEDVNGIR K | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.039 | t | 137859 | FTPGTEYT VEVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.054 | -0.039 | -0.04 | t | 39196 | LRLRTAC ERAKRTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.032 | 0.043 | 0.042 | t | 157364 | GYPKNPEE AYAD | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.032 | 0.03 | 0.03 | t | 127253 | TTYGNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.01 | t | 38814 | LQDCTM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.005 | -0.023 | -0.029 | t | 45768 | NSARARA DSCRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.021 | -0.009 | -0.01 | t | 110602 | GLKAKPKF TLGKRKAT PTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.023 | 0.022 | t | 95198 | AAPTTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.008 | 0.013 | 0.019 | t | 30299 | KEALDKYE LENHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 51371 | QLINTNGS WHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112395 | VYFCHQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.01 | -0.009 | t | 97020 | TVTRGTIS DP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.009 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.024 | 0.02 | t | 31076 | KGTPTAEN PEYLGLDV PV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 66060 | TRLNPD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.019 | 0.02 | 0.018 | t | 123838 | VWQDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.014 | 0.009 | t | 10692 | DVPDYASL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.022 | t | 46868 | PANCPKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.032 | 0.031 | 0.03 | t | 30199 | KDLLED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.012 | 0.009 | t | 21887 | GQICYGR DAYLCFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.037 | 0.03 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.007 | 0.008 | t | 303 | AALTKAIT AMTQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 96521 | KVTKEKPT PP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.042 | 0.032 | 0.03 | 0.029 | t | 4702 | ASQKIQLV | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.01 | -0.009 | t | 33143 | KRGPGSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.013 | -0.01 | -0.011 | t | 136074 | LVKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 33148 | KRHDGGC RKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.002 | t | 147559 | CTVRGLG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.01 | -0.011 | t | 45252 | NNSTNSGI | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 71636 | VVDLPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46825 | PAIIPDREV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.008 | -0.007 | t | 98832 | IPPYCTIAP FGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.001 | -0.004 | t | 40938 | LYRPSDSSL AGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.001 | -0.004 | t | 46371 | NVESQPG GQPNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.011 | t | 107878 | GWVAMH PQGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.004 | -0.008 | t | 114463 | LTSRPAHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.042 | t | 136074 | LVKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.019 | -0.021 | -0.02 | t | 44268 | NIKPLEDKI L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 131107 | TGVEAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.003 | 0 | t | 18954 | GDDPLL NQ | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.011 | -0.01 | t | 81337 | DVTLYGTI KAGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.03 | t | 119475 | KKIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.002 | t | 21254 | GMDGTQL DRW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158610 | SFGTFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.009 | 0.001 | t | 38304 | LNPKTNK WEDK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.009 | 0.001 | t | 6986 | CSEYREPLLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.003 | 0.01 | t | 121100 | YYFAPDHRTV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153381 | ETPLTIAGLKLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.029 | t | 107345 | EQRRAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.013 | 0.012 | t | 110876 | GTDRETTSQMIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.094 | -0.077 | -0.08 | t | 95920 | TNVARP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.044 | 0.049 | 0.049 | 0.052 | t | 99137 | DDTFTV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.055 | 0.061 | 0.059 | t | 19723 | GGESSEELSESSFFNLIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.01 | -0.01 | t | 98383 | QPFPPQQLPYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 127650 | FEPFSNKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | -0.002 | t | 52158 | QQTFPQQPQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.031 | 0.03 | t | 25404 | IAQVATVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | -0.005 | 0.001 | 0 | t | 147284 | SIFGLAPSKALDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 59971 | SPAFTKGEKVD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.011 | t | 132690 | TCSADGGTLFYNLCL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.041 | 0.039 | 0.04 | t | 121054 | VTGEVIFQ TPL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.041 | 0.039 | 0.04 | t | 121054 | VTGEVIFQ TPL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.039 | 0.039 | 0.042 | t | 56711 | SAAQEKIS F | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.021 | t | 40724 | LYCGGPM FNSKGAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.013 | 0.011 | t | 99419 | LGYTDRIG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113778 | QQPGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.013 | 0.019 | 0.022 | t | 19118 | GDSSNAG T | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.019 | 0.022 | t | 19118 | GDSSNAG T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140841 | EKPAVLG HDEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.053 | t | 117557 | KVQLLRN WH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 43567 | NEDEQIGA RIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.004 | t | 32807 | KPNLSSKR SELSQLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.01 | -0.01 | t | 158836 | IHNDVEA WIDRYKYL P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.008 | t | 115760 | GLNYYQQ KPV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0.009 | 0.007 | 0 | t | 109286 | HEGLHNNH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.019 | 0.009 | t | 107744 | APVDSRTY TRVADHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.021 | 0.02 | t | 39216 | LRSSSGCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 125246 | RRQPHVMS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.007 | 0 | 0 | t | 125246 | RRQPHVMS | Macaca fascicularis |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.001 | 0 | t | 138238 | SMLDTPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.032 | t | 103940 | GLTLPGYK YLGPGNSLD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.014 | -0.01 | t | 110932 | LNLKIDGL KISV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.012 | t | 47324 | PEKGGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 143362 | ETPLMKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 143362 | ETPLMKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.009 | t | 116682 | CHGRGTC NYYANAYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.019 | t | 156903 | KNRGIKTF SN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.007 | t | 136566 | PYKYTFYK YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.014 | 0 | 0.001 | t | 51942 | QPQRPFQ QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.04 | 0.04 | t | 17557 | FQYSPG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.046 | -0.023 | -0.026 | t | 135911 | DRVRSITL GNST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.004 | -0.01 | t | 158695 | ASKSADDV KKAFKVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 120342 | YNAEEVEF TFAVDND | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 120342 | YNAEEVEF TFAVDND | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.02 | t | 54862 | RMAWDM MMN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.04 | t | 132793 | DLQEAKYE TFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.013 | 0.006 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.057 | -0.043 | -0.048 | t | 133231 | MGPRRRS RKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.04 | 0.03 | 0.026 | t | 61824 | STPLLYPSL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 104343 | VSGGPFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.023 | -0.029 | t | 118348 | FHSGKHY WEVDVTG KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 77841 | AYDFLYNY L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.006 | 0.009 | 0.01 | t | 41449 | METMKL MMEKVD | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.03 | t | 109425 | KNQVSLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98939 | PQPGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.006 | 0.023 | 0.022 | t | 30140 | KDEPNGR ASDT | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.004 | 0.013 | 0.012 | t | 15519 | FEELCGELF RGTLQPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.001 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.001 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.011 | 0.011 | 0.01 | t | 99208 | EKMYAC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 127926 | AKKGEKVP KGKKGKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.008 | t | 58076 | SGHRMA WDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.011 | t | 11411 | EDPASR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.019 | t | 113514 | HHPARTA HYGSLPQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.019 | t | 113514 | HHPARTA HYGSLPQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 46841 | PAKLLKER GFFGAIA GFLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.01 | t | 88060 | RMAFTEIK VQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.028 | 0.031 | t | 142443 | LSTTEVAM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 159294 | QPLWLL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.009 | 0.009 | t | 19637 | GFTTNEPR YNVFAE | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118610 | SPGFNDG GKNTAPLT LC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.013 | -0.023 | t | 30302 | KEALISLT RGKLYTQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 112392 | VTMTCKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.022 | 0.03 | 0.03 | t | 13460 | ENDVLNQ ETEEEMEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48597 | PNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.023 | -0.026 | -0.03 | t | 123878 | YMPPPGM I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.019 | t | 78457 | LRLPPAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | -0.001 | 0.017 | 0.022 | t | 75645 | YRNILYFP NHLPEELR KQTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 142047 | TYFKGVST ELKDKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.016 | 0.021 | 0.02 | t | 23048 | GVLSVDLS LTVELKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.011 | t | 48911 | PPSDIKGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.01 | t | 116171 | TQDQDPB BHFFKNIV TPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.048 | 0.03 | 0.02 | t | 54348 | RKGRGGA NPVFRPTG GTEVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.003 | 0.002 | t | 61124 | SSIVYEAA DMIMHT | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 79403 | SVGDYDG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140830 | AVLGHDE AAYSK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 117546 | KIRRSKPK LPEVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 73636 | YEDRYRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0 | 0.002 | t | 64057 | THNQWN KPSKPKTN LK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0 | 0.002 | t | 64057 | THNQWN KPSKPKTN LK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78552 | VERLG DYLI DQGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.01 | t | 48418 | PLLYPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.033 | 0.032 | t | 11377 | EDLDGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | -0.002 | t | 52085 | QQPFPQP QQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | -0.002 | t | 51929 | QPQQPQQ SFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | -0.002 | t | 52089 | QQPFPQS QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 40380 | LVGVVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.008 | t | 65698 | TPPRPAGD NATVAAG HAT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.019 | 0.02 | t | 74708 | YLILSARDV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.036 | 0.03 | t | 158753 | FIEVEELKL FLQNFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.009 | -0.001 | 0.001 | t | 51473 | QLPNVGIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.021 | -0.02 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.021 | -0.02 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.021 | -0.02 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.021 | -0.02 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.021 | -0.02 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.01 | t | 66082 | TRQAQDI QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 60364 | SQAEAALE NL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.033 | 0.029 | 0.029 | t | 15529 | FEFPPPT DE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.059 | 0.067 | 0.063 | t | 144320 | GSEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.016 | -0.012 | t | 67916 | VDCSRFPN A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | -0.001 | -0.003 | t | 131129 | VFQSYFSM PTPAHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.03 | 0.029 | t | 10550 | DVCSDSD NDGVCDN V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 119620 | NPDDYGG VK | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 24035 | HIDSQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.026 | -0.017 | -0.01 | t | 97916 | AVVGKPG SDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.026 | -0.017 | -0.01 | t | 97916 | AVVGKPG SDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.027 | 0.03 | t | 71902 | VVYDYQH K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.011 | 0.009 | t | 133775 | AETNRAPF DLAEAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.013 | t | 28911 | ITGHRMA WMMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.023 | 0.02 | t | 10932 | DYNPLLVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48001 | PITNDQKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.012 | 0.021 | 0.02 | t | 41177 | MAYRFNG IGVTQNV L YE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.002 | 0 | t | 17271 | FPDLGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.043 | t | 110789 | ARLKSWFE PLVEDMQ RQWAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.02 | t | 21424 | GNFGDQD LIRQGTDY KHW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.038 | 0.039 | 0.04 | t | 56711 | SAAQEKIS F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.013 | 0.012 | t | 111663 | QDKILTHY ENDSTD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.032 | -0.019 | -0.02 | t | 15461 | FDSSGSFL GHI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.003 | 0 | 0 | t | 100454 | RAVPYYGP GVDYKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.009 | t | 113527 | HYGSLPQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.047 | -0.039 | -0.041 | t | 138028 | SAGALQLL VVGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.026 | 0.027 | 0.028 | t | 106904 | THEGGQL HCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.003 | 0.007 | 0.01 | t | 65006 | TLPIILKALY MLST | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.022 | 0.03 | 0.03 | t | 4534 | ASLLTTAE VV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.047 | 0.051 | 0.05 | t | 8371 | DGEGAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135465 | GSDYEDRY YREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.038 | 0.051 | 0.052 | t | 22398 | GSKVPEDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 124560 | NGVELRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 135908 | DINTVTTV AQSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.003 | 0.011 | 0.012 | t | 42580 | MSKAKQY NICCKFKE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.013 | 0.021 | 0.02 | t | 79926 | MASMTG GQQMG | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.01 | 0.01 | t | 110198 | CPPDIIPKV EGKTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.003 | 0.01 | 0.01 | t | 110198 | CPPDIIPKV EGKTIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.003 | t | 119052 | WNPADYG GIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 135987 | RSITLGNST ITT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.003 | 0.001 | t | 144772 | SAHTSHLV GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.01 | 0.02 | 0.022 | t | 20769 | GLAQALID QKVKEI | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.007 | 0.007 | 0 | t | 139601 | SCSRALAR EVDLKDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.049 | 0.042 | t | 130850 | GGIYQDLV S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.051 | 0.05 | t | 98786 | GASEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.03 | -0.017 | -0.021 | t | 61412 | SSTSIVYILI AVCLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.017 | -0.02 | t | 52680 | QVCGPVY CFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.012 | t | 110229 | FTEPSVLH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.017 | 0.017 | 0.01 | t | 127663 | GGYVKLFP NS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | 0.001 | -0.001 | t | 57296 | SDSVGQQI KVIPVDPY FFQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.033 | t | 95387 | FLKKISQRY Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 104521 | IGTLKKILD ETVKDKIA KEQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.023 | 0.031 | t | 110982 | QYNKPLCD LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.023 | 0.031 | t | 110982 | QYNKPLCD LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.01 | -0.012 | t | 132885 | PVRLAE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.029 | 0.028 | t | 110862 | GGPTLVSL HELPAETP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.01 | 0.003 | 0.01 | t | 107824 | ELWDKRY GGRSNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.033 | 0.029 | t | 16396 | FKLEKEVA E | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.032 | t | 111211 | DPVGPSD PSIVSLVEE TSF | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.002 | t | 121925 | TPFLPKIFIK PNAQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.021 | 0.02 | t | 110589 | GDICNTM HYTNWTH IYICEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.002 | t | 122430 | KGLRRDLD ASREAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 115342 | LDTDYKKY LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.03 | 0.03 | t | 14992 | EYEDLLKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.014 | 0.021 | 0.02 | t | 58903 | SKNFNFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46825 | PAIIPDREV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.051 | -0.047 | -0.05 | t | 35252 | LDPHAFHL LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | 0.003 | 0.002 | t | 47014 | PAYYTKDT NNNLTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 39174 | LRQLDFVE EVLRKHPD KVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.026 | -0.01 | -0.008 | t | 31067 | KGTAPFGV AFGNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.003 | -0.01 | t | 108007 | LLPWLDG HPM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.011 | t | 105886 | IPSTVKAG ELEKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.027 | 0.02 | t | 132044 | RLRKWTT VDSISVNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.003 | -0.012 | t | 122943 | WDPAQPP RD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.06 | 0.06 | t | 121130 | AICSQCSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 105068 | AEFDLD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.001 | t | 122375 | GLINRAKAVKQFEESQ G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 11571 | EEEDDDMGFGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.008 | t | 60959 | SSDSQTITNPAY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 119753 | AQGARVYAYV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.04 | t | 119753 | AQGARVYAYV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 119753 | AQGARVYAYV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 62907 | TALDTSNK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.024 | -0.01 | -0.01 | t | 43153 | NAGKEGAIIFQQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | 0.003 | 0.001 | t | 99761 | VKVGDK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.028 | 0.019 | 0.018 | t | 79040 | PGQNLCYTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 71199 | VSVNDPFI DLEYM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.002 | t | 43233 | NANP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 34045 | KVIHDKFEI VE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 8942 | DKNEKGQ HEIVEVEEI LPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.04 | 0.04 | t | 135951 | LLESQIATI EQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.009 | -0.011 | t | 47662 | PGGGQIV GGVYLLPR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.009 | -0.011 | t | 47662 | PGGGQIV GGVYLLPR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.009 | -0.011 | t | 47662 | PGGGQIV GGVYLLPR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.041 | 0.032 | t | 118624 | TLDPDTAN PWLILSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.006 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.031 | 0.037 | 0.04 | t | 13657 | EPGVLMG GQSESVEF T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.052 | -0.038 | -0.038 | t | 96320 | GKKPNIW YSL | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.001 | 0.009 | 0.01 | t | 41117 | MASEAKES PANNPGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 136088 | VPPTPQ | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 49295 | PSAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 49295 | PSAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.001 | 0.003 | 0 | t | 34215 | KVTKDGVTV A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.003 | 0 | t | 34215 | KVTKDGVTV A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 145838 | IVSLVEETS FIDAGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | -0.001 | t | 118434 | ISKGANPVEIRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.011 | 0.02 | 0.02 | t | 100501 | SEEEKELLNR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.027 | -0.02 | -0.02 | t | 41609 | MGQHPAKS | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 22217 | GRTPFII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.04 | t | 120249 | TPVLVWIYGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.038 | -0.04 | -0.04 | t | 120249 | TPVLVWIYGG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.01 | -0.012 | t | 54975 | RNCKKLGP RENVA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.062 | t | 127610 | AVYFKEQF LD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.01 | 0.007 | 0.012 | t | 75541 | YQQYPQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.029 | 0.03 | t | 45496 | NPTPQEIP | Anas platyrhynchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.031 | 0.039 | 0.04 | t | 25060 | HVL DHVQ T | Anas platyrh nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 19310 | GEIRPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.021 | -0.013 | -0.009 | t | 6219 | CFDVFKE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.032 | t | 106340 | DIMPCLHF VKGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.074 | 0.07 | 0.072 | t | 136059 | EGY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.018 | t | 72908 | WNSQKDI LEQARA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.009 | t | 102333 | CCKRNDE VLFRLNH AETLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.002 | 0.01 | 0.009 | t | 102333 | CCKRNDE VLFRLNH AETLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.009 | t | 102333 | CCKRNDE VLFRLNH AETLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.054 | 0.05 | t | 135914 | EEIAQVATI SAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.047 | 0.05 | t | 42678 | MSTLQEL QENITA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118490 | LKDKYKNI GAKLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.006 | 0.01 | 0.014 | t | 10801 | DWEDRY RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.004 | -0.01 | t | 77842 | AYIDFEMK I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.039 | -0.027 | -0.027 | t | 115483 | SFFDIGGS VSAGFSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.01 | t | 53906 | RGLAQSLI DQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 133870 | LAKLAGGV AVICAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 133870 | LAKLAGGV AVICAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 27896 | IPKGTLTW | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.012 | t | 95750 | QYLYQGPI VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.007 | -0.008 | t | 69183 | VKAVTTLL KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140934 | YGEEKPAV LGHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78517 | SGPISKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.009 | -0.007 | -0.002 | t | 133880 | LKLLLKEYV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 47289 | PEGRTWA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.004 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.038 | t | 78001 | SEGLKEET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.04 | t | 26372 | IHFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.04 | t | 26372 | IHFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.032 | -0.029 | -0.022 | t | 115694 | AVPYPQR DMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.008 | 0.001 | 0 | t | 1460 | AGCLIGAE HVDTSYEC D | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.05 | t | 145838 | IVSLVEETS FIDAGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 86504 | MSAAYDN IYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | -0.017 | 0 | 0.002 | t | 32687 | KPEASSTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.014 | -0.018 | t | 106634 | LVGPRGER GFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.027 | -0.021 | t | 108064 | PGPPGPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 125209 | QFQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 117140 | DWEYSVW LSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 117223 | NTWTTCD SIAFPSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 113879 | SQRSQDE N | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 113013 | GSLPQKSQ RSQDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 107242 | SQTTANPS CPEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 107951 | KTTICGKG LSATVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 108200 | VSLGKWL GHPDKF | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 18441 | FYNQKFKG KATL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.013 | 0.01 | t | 26839 | IKLKDCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.021 | 0.012 | t | 118281 | CPLNIGSQ GSTDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.013 | t | 122766 | FQGLCNET LTLKLYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.011 | -0.01 | -0.01 | t | 49377 | PSGLVIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | 0 | 0 | t | 48401 | PLLPIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.023 | 0.02 | t | 75151 | YNGEEYLIL S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.019 | t | 120108 | NFMESGE WVIKESRG W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.019 | t | 120108 | NFMESGE WVIKESRG W | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.019 | t | 120108 | NFMESGE WVIKESRG W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.027 | 0.028 | t | 14638 | EVDDEALE KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.018 | t | 59873 | SNNVQIVR QQSYSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.007 | -0.01 | t | 30710 | KFDRGYIS PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.009 | -0.026 | -0.02 | -0.02 | t | 41126 | MASLIYRQ LL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.03 | t | 35172 | LDGRPLST TQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.035 | 0.047 | 0.05 | t | 44339 | NISGHCS CTFLGEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.003 | -0.002 | t | 130612 | SPNTAHIT SKSL | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.003 | -0.003 | -0.012 | t | 127727 | LQEGLRRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | -0.002 | t | 51439 | QLLTAIDL ADNT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.009 | t | 74687 | YLGYLEQL LR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.021 | t | 107219 | PAGGPGF PG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | t | 32787 | KPLEDKILV Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.023 | -0.032 | t | 14013 | ERKRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.031 | t | 108360 | FEDMAKS DKARYDRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.019 | -0.02 | t | 44911 | NLVDWLR QY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 106349 | DPLRPQRE GC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.039 | -0.022 | -0.027 | t | 110965 | PNNNKILV PKVSGQLQY RVFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.048 | 0.05 | t | 135974 | PSNSASVP ALTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.01 | 0.003 | 0.01 | t | 128010 | GRWGSQR AVNVSGG FQF | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|---------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 11583 | EEEIAQVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.003 | 0 | t | 106634 | LVGPRGER GFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.03 | -0.02 | -0.021 | t | 64899 | TLLDKNKKI EE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.023 | 0.021 | t | 99637 | RRAQSVV D | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.009 | t | 96455 | KGKNVLIN KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.027 | 0.031 | t | 42042 | MLQGVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.039 | 0.037 | t | 134166 | MPKFYCD YCDTYLTH DS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118324 | EIIKRTLKIP AMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118440 | IVLGGGCA LLRCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118510 | LVLNRLKV GLQVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118451 | KGIIDPTKV VRTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118491 | LKVGLQVV AVKAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118275 | ATVLARSI AKEGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118443 | KAPGFGD NRKNQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118540 | NPVEIRRG VMLAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118487 | LEIANAHR KPLVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118459 | KKVGRKG VITVKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118490 | LKDYYKNI GAKLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118313 | EALSTLVL NRLKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118430 | ISDAMKKV GRKGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118568 | QKIGIEIKR TLK | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 118284 | DAYVLLSE KKISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 94481 | CSNNPTC WAICK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 94651 | PTCWAICK RIPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 66933 | TVAEEHVE EPTVAEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 94613 | NNPTCWA ICKRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 94695 | SNNPTCW AICKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 48681 | PNNDFHF EVFNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 54214 | RIPNKKPG KKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 45054 | NNDFHFE VFNFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 42416 | MQTLWDE IMDINKRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 51729 | QNKPPNK PNNDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 44571 | NKPPNKP NNDFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 44569 | NKPNNDF HFEVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 49137 | PQTTKPKE VPTT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 16103 | FHFEVFNF VPCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 29965 | KATYEA AV AANNAKN AALT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 23770 | HFEVFNFV PCSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 27463 | IMDINKRK YDSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 32809 | KPNNDFH FEVFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 32827 | KPPNKPN NDFHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 8275 | DFHFEVFN FVPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.063 | 0.07 | 0.07 | t | 119480 | KQQKTEN GAGDQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.023 | -0.022 | t | 95999 | WDLNAAS AYC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.019 | 0.021 | t | 67325 | TYEAALKQ YEADL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.008 | -0.001 | 0 | t | 97963 | DVYYAGL NYK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.001 | 0 | t | 97963 | DVYYAGL NYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.03 | 0.037 | 0.04 | t | 159145 | TDAETKAF LKAGDAD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.032 | -0.033 | -0.03 | t | 139943 | VPTWYRA | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 108998 | FVCGDRG FYFNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.004 | -0.008 | t | 52184 | QRAKEALD KYELENH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.019 | -0.021 | -0.02 | t | 55193 | RPKPG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.039 | 0.043 | 0.04 | t | 99096 | AGQKQILL DAIDKIA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.019 | 0.031 | 0.032 | t | 36042 | LGAALLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 104181 | PPSLASSS ASQLSAPS LKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.026 | 0.027 | 0.028 | t | 58038 | SGFTPEFLE QAFQVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.024 | -0.02 | t | 123442 | LLKDLRKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.053 | 0.043 | 0.039 | t | 138862 | KFPED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.019 | 0.019 | t | 137828 | DVLLAGN AEADR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.006 | 0 | t | 118970 | PPPGRRP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0.006 | 0 | t | 109030 | GAQGPRG E | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0.006 | 0 | t | 108790 | AQGPRGE P | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.007 | -0.01 | -0.01 | t | 39697 | LSTGLIHL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|-------|--------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.019 | 0.02 | t | 79011 | LDPAFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.003 | -0.001 | 0 | t | 38273 | LNLTTWNPTLLG | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.052 | t | 25086 | HVSGHRMAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.04 | 0.053 | 0.062 | t | 14006 | ERKDRVED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.034 | 0.043 | 0.042 | t | 40077 | LTPCDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.012 | t | 79760 | ASSPDAHVPFCF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.044 | 0.047 | 0.05 | t | 48606 | PNATQPPEL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0.001 | 0 | t | 66105 | TRTFTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 29758 | KAAQIYSEP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 29758 | KAAQIYSEP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.011 | -0.012 | t | 74674 | YLGLTPM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.014 | 0.01 | t | 51263 | QKTYMVVDVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.017 | -0.011 | -0.01 | t | 35312 | LDTSNKFA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.012 | t | 43212 | NALSFTNK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 136089 | VPPTPQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | -0.003 | t | 49764 | PTRTIGGS QA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.016 | -0.01 | t | 53152 | RALLGLAV CLFLMALC T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.01 | t | 12539 | EIPALTAVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.076 | -0.054 | -0.053 | -0.052 | t | 106524 | HWR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.054 | -0.053 | -0.052 | t | 106524 | HWR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.052 | 0.05 | 0.049 | t | 73601 | YDVDPYAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.014 | t | 130872 | GSFLTKEP SKLNDRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.019 | t | 144791 | STIDYFQP NNKR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0.001 | t | 141567 | TQDGLYH NKN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 23184 | GVTTSLs | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.001 | 0 | t | 89292 | SYHAGFNY KNGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.001 | 0 | t | 89292 | SYHAGFNY KNGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 125880 | EEMTMQ QAK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | -0.001 | -0.001 | t | 137892 | HGHGAFR QQFQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.011 | -0.019 | t | 135642 | CKNKEKCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.058 | -0.04 | -0.038 | t | 92565 | EKVTIQN WFR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | 0.001 | 0 | t | 17128 | FNASDSVG QQIKVIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.009 | 0.027 | 0.032 | t | 153829 | ERSVQKLQ KEVDRLED E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | -0.003 | 0 | t | 17964 | FTGIQIICL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.017 | 0.01 | t | 118220 | WKFLEHK GPVFAPPY EPLPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.012 | -0.01 | t | 96453 | KFKEAFLR SV | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.011 | 0.01 | t | 78923 | AFGANS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.02 | 0.019 | t | 95146 | SESPNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | -0.002 | t | 59922 | SNTFINNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.041 | 0.041 | 0.039 | t | 56386 | RVQYEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 72249 | WAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.018 | 0 | 0.002 | t | 41537 | MFSGGGG PLSPGGKS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.017 | t | 131032 | RDEIESVKE LKDTGKDA VN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.014 | t | 46488 | NVSVSPSPS STPLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.036 | 0.032 | t | 106990 | VYATRSSA VRLRSSVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.003 | -0.002 | t | 130537 | LCENIANH LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.003 | -0.002 | t | 130537 | LCENIANH LK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0 | t | 53587 | REMVIITFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 151101 | AAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 151101 | AAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 131504 | KATLVCLIS DFYPGAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 121542 | LFKPPKYH PDVPYVKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 117742 | AKAQTD EDLRTLLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 131628 | RGYDSYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 131457 | GSHTRGD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 131657 | SGLQAEDE ADYYCSSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 108834 | CKPISGHN SLFWYRQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 64659 | TKRNTNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.051 | 0.06 | 0.06 | t | 135951 | LLESQIATI EQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.012 | -0.01 | -0.013 | t | 57119 | SCMVCVD RSSLSWS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.062 | -0.049 | -0.05 | t | 9804 | DPVIDRLY LSSHRGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0.003 | 0.002 | t | 45573 | NQLAGRM IP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 78630 | DYGEILTEK VEDLYKGV LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.03 | 0.032 | t | 111772 | SGFSITTST DTTPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.014 | -0.02 | t | 118275 | ATVLARSI AKEGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.057 | -0.041 | -0.043 | -0.05 | t | 108867 | DKSRWQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.052 | -0.043 | -0.04 | t | 95564 | LPMHIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.041 | t | 119607 | KTHTCPPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.04 | -0.04 | t | 134017 | CFHQGKEY APG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.013 | 0.01 | t | 159048 | PKARELTD AETKAFL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.002 | t | 121713 | PLTALLRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135959 | LTRAYAKD VKFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.023 | 0.028 | t | 142383 | AEQIQAE LQKVKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.014 | -0.02 | t | 158775 | FNFKTFFH TIGFASK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.007 | -0.011 | t | 25180 | HYLVQSP PW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.011 | t | 96526 | LAANNPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.007 | 0.01 | 0.01 | t | 46235 | NTQIYTIN DK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.001 | 0.001 | t | 23685 | HEGKAYFP REGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.003 | 0.005 | 0.01 | 0.011 | t | 19096 | GDRADGQ PA | Aotus griseimembra |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.008 | 0.021 | 0.02 | t | 48643 | PNGRASD TAGQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.02 | 0.02 | t | 34238 | KVVLPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.011 | -0.01 | t | 133590 | GMVDGW YG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.012 | t | 79755 | AMKPYEV TPTRM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.061 | 0.06 | t | 78748 | MISGPCPK DGQPSLVL QSSS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.048 | -0.039 | -0.04 | t | 12531 | EINHVQD HALPKENI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.006 | t | 9511 | DNNDSGH STGADTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.014 | -0.01 | -0.008 | t | 39085 | LRFGSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.013 | 0.027 | 0.022 | t | 136153 | CLEEKVCS LLEPLGLQ CTFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 22063 | GRGYNVSS IVTMTSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.027 | 0.021 | 0.018 | t | 136302 | GALIYTPEK YTI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.009 | t | 59757 | SMSYTWT GA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.017 | 0.019 | t | 135445 | AKAAQFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 139511 | GPM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 55382 | RPYCWHP PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.01 | -0.018 | t | 106990 | VYATRSSA VRLRSSVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.046 | 0.043 | 0.04 | 0.04 | t | 141046 | KEVTVVTT S | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 122900 | SEVATEVP FRLMH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.043 | -0.033 | -0.032 | t | 157808 | QQDRHQK IRHFR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 60914 | SSATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.033 | 0.033 | 0.028 | t | 33222 | KRTISIWG T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.031 | t | 14951 | EWSPCSVT CGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.053 | 0.05 | 0.048 | t | 139732 | ERETQKAK G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.003 | 0.001 | 0 | t | 22718 | GTK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 107107 | EAIQP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 105566 | VFFAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123091 | DLPNLPYYI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.009 | t | 59757 | SMSYTW TGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.004 | 0.026 | 0.026 | t | 134684 | GSLPQKSQ RDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 60795 | SRSERR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.042 | t | 101716 | HQPTPAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47189 | PDREVL YRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.019 | -0.007 | -0.01 | t | 71653 | VVERLG DYLLEQGM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.032 | 0.041 | 0.04 | t | 7383 | CYGV SATKLNDLCFSNV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.032 | 0.041 | 0.04 | t | 7383 | CYGVSATK LNDLCFSN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.043 | -0.043 | t | 115574 | YWLAHKA LCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 99209 | ELFTNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.007 | 0.007 | t | 141640 | ETTKQVQ RYRARLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.063 | 0.062 | 0.06 | 0.058 | t | 121024 | VDEVNQIV ET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78825 | SFPPSPG PSCPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | 0.003 | -0.001 | t | 108327 | DTYDALH MQTLAPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 138854 | GAGAGAG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.012 | t | 105828 | GKDLESIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.026 | -0.02 | -0.022 | t | 141580 | YIGVAPRK AIPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.015 | 0.013 | 0.009 | t | 115608 | GRTELLKD AIGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.024 | 0.015 | 0.013 | 0.009 | t | 115608 | GRTELLKD AIGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 | t | 57542 | SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 | t | 57542 | SELSQLS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 46424 | NVLQNFS VF | Aotus sp. |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.042 | t | 134763 | PSLGASSH QHSRRRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 30333 | KEDVPSE R YL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | -0.001 | t | 120014 | LAAQG AR VYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78403 | GLQNDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 41233 | MDIDPYKE FGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 115626 | LKDAIGEG KVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.016 | 0.027 | 0.03 | t | 138844 | EVVETDGK KKECSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.043 | 0.039 | t | 117948 | KFVETPGQ KYKETDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.028 | t | 99935 | DFSQTATL TNTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | -0.005 | 0 | 0 | t | 35282 | LDRLVESA KREMAQK LA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | t | 116005 | TTEAVEST VA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 40724 | LYCGGPM FNSKGAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.011 | t | 36406 | LHNNEAG RTTVFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.035 | 0.037 | 0.04 | t | 70812 | VRRIEGGE | Anas platyrhy nchos |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.01 | t | 120527 | FEYMNKLE KG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.052 | 0.057 | 0.05 | t | 122551 | RGQYLQL QELECDW EEVTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.03 | t | 131075 | SQSYPEPA RGSVPMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120862 | PDVKS AIE GV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.019 | 0.023 | 0.019 | t | 99341 | ILSVDCTSE EMNAFL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 142913 | MVLNEGT SGTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134767 | QDPYVKE AENLK KYF NAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134654 | DQQNQFQ KAET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134699 | KDRHDFG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134702 | KEKKYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 146337 | IPEEIKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 140459 | EHWSHD MFSPGD | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134148 | LQSDQEEI DY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 136353 | HGNAEVH ASFFDIGG S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134804 | TIFILFCCSK EKRRKKQA AT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 150200 | FGEHKQEK DLEYGAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 140460 | EKLKHSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134669 | FGFPQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134770 | QIFNLFSTK DSSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 138162 | EKKYSPCA WEVVRAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134037 | DYDDTIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 118877 | LDVEQLGI PEQEYSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 128955 | ILFSVFD | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 133611 | IVSYLCDLA PEAPPPTL PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130757 | CQEPGGL VVPPTDAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130518 | ITQSTQSF NDFTRVV | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130605 | SCRLFGKT YLCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 119187 | GNAEVHA SFFDIGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130583 | QCQTFGK TMLCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134028 | DDTIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131100 | TDSEMDV VRFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130473 | ECIVYGKT ALCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131967 | LRLDCRHE N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125441 | HPLTCDDP RFQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 133707 | STRKEEKQ RNGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125127 | LDPENLTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134017 | CFHQGKEY APG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 129973 | SPRSFQKK T | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 124713 | SGEQPSDE QPSGEHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125004 | DAPDTDW CDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131128 | VEMKKED FDIYDEDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130787 | EDFDIYDE DE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125021 | DWC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 124925 | YYVFFEEQ EDEIIGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 126201 | GYKEKSKF QDTHNNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 124588 | PQEETLQA FDSHYDYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 131128 | VEMKKED FDIYDEDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130912 | KADILPEM NSMRADR M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125415 | FSPDGKPC TPPALNCY W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 133551 | EAPPPTLP PDMAQVT VGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 129978 | SQFIIMY | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130916 | KEDFDIYD EDE | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 119538 | VEDGECYI QF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122842 | LLDLPRDL GGMGCSS PPCE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 123849 | WQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131217 | EDISAYLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130590 | RCKTFGKT TLCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 119322 | QRVFKEKV DTKAPEPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130610 | SMCMHG GAYCFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110733 | VGENVPD DLYIKGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117235 | SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 99849 | VNSTEAET I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 99975 | EEKELLKRI Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 103998 | IVKWDRD M | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 99945 | DIRDSLSEE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 100153 | INDQIKFII N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 99210 | ELFTNRW NLQSLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 102510 | HHQKLVFF AEDVGSN K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117195 | DT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106322 | DAEFRHDS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 100777 | DIDFLIEIE RLGQDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 61394 | SSTKNLIY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 61317 | SSRGKVVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 68524 | VFMVPQY GYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 71798 | VVQAMYV PPGAPNP KE | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 96367 | HSNLDHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 95044 | SSRGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 66108 | TRTNPWP ALAEGEF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 72065 | VYKLDISEA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 95142 | RIKNTDGSIS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 63736 | TFQVEVPG SQHIDS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 80014 | RNYPTGAE FLGEG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 74497 | YKQKIIAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 80002 | RKADLEKA LEGAM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 94483 | CYKKVWR DHRGTIIER GC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 69178 | VKAETRLN PDLQPTTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 70656 | VQTRHVV QHRSRSES SIESF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 95524 | KRQIYTDIE MNRLGK | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 66304 | TSLNDRQ GNATK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 66976 | TVDNPA STTNKDKLFA VWK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 73487 | YCCELC CN PACAGCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 97348 | GLFGAIA G FIEGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 95524 | KRQIYTD IE MNRLGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 76290 | YVHDNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 71328 | VTGKVEY T KYNDDD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 70390 | VPNLRGDL QVLAQKV ART | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 74009 | YGGPANK KNAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 78424 | IPRSRQID L QIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 75949 | YTASARGD LAHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 69175 | VKAETRLN | Mus musculu s |

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|---|------|---|---|---|------|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 61394 | SSTKNLIY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 70656 | VQTRHVV QHRSRSES SIESF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 58511 | SIFYTYGTA PARISVPY VGI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 56373 | RVNQVAE VLQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 51371 | QLINTNGS WHIN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 54057 | RHKQKIVA PVK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43242 | NANPNAN PNANP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 57726 | SFANTNTN TNSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 57542 | SELSQLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | 0 | -0.003 | t | 59967 | SNYYSDNE IEQHTAKQ PKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 45932 | NSNNPDW DF | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 39092 | LRGDLQVL AQKVARTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 39092 | LRGDLQVL AQKVARTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 56734 | SADNNNS EYSWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.003 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 51775 | QNTRNIVP VSIVSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.003 | t | 44474 | NKDKLFAV WK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 37698 | LLQAHRQL EER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 56699 | SAAFYYRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43576 | NEDNEKLR KPKHKKLK QPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43191 | NAKATYEA ALKQYEAD LAA | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 41608 | MGPNLVL PDQKPPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 59810 | SNEFAPVQ NLTGSSVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 46960 | PASTTNKD KL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 32808 | KPNLSSKR SELSQLSM YRVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11463 | EDVNGIRK PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 10433 | DTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 21856 | GQDLTAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 28277 | IRECTGLA WEWWRT V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 34537 | KYNDDDT FTVKVGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 34965 | LASLRKAF ADTVVPRP PSNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 21763 | GPRLQPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 13290 | ELTIPIFAT NSDCELIV KA | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 20710 | GKVEYTKY NDDDTFT VKVGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 25146 | HWYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 31916 | KLILAYTPP GARGPQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 31105 | KHFRETEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 14808 | EVLYLKPLA GVYRSLKK QLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 22401 | GSLAAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11270 | ECTGLAW EWWRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 25108 | HVTSTLTSL F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 14808 | EVLYLKPLA GVYRSLKK QLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 24970 | HTRVTGG VQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 21763 | GPRLQPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 14809 | EVLYLKPLA GVYRSLKK QLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 35852 | LFIG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 25139 | HWSISKPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 34912 | LAPRVAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 25807 | IEFQQKNN RLLEITREF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11208 | EAVEAERA GRGTG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 10579 | DVELSLRS SDIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.003 | t | 25807 | IEFQQKNN RLLEITREF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6226 | CFGNSEY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6093 | CDCDRTA A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 9520 | DNNQTSP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 3274 | ANETIYNT TLKYGDV | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9520 | DNNQTSP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 1190 | AETIHELLV RM | Mus musculus |

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|---|------|---|---|------|--------|------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6832 | CPRPPRAV AAYGPGV DYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 4149 | ARGSLAVT I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.003 | t | 279 | AALGDSLY GAASLNDF GILA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 279 | AALGDSLY GAASLNDF GILA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7313 | CVTIMTVD NPASTTNK DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 6455 | CITQYERES QAYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.004 | t | 16101 | FHENWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 112972 | FHAIDEYK PQDATTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 135501 | SQWNKP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.014 | 0.01 | 0.008 | t | 100074 | GNINYACG QGID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.002 | t | 130474 | ECLLLSKYC MPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 111444 | KDQTNYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 62845 | TAFSKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.013 | -0.021 | t | 119400 | WPGAGPP PPGRVLYG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0.007 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.007 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.01 | 0.008 | t | 134335 | CTKPSDGN CT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.01 | t | 63038 | TAVSPTTL RTEVVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.045 | -0.033 | -0.04 | t | 117380 | TKPAIRRL ARRGGVK RIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.013 | 0.001 | 0.004 | t | 23249 | GWGNGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.007 | 0.007 | t | 105746 | EETICTASF KKNIGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 145827 | IIPKVEGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.042 | 0.05 | 0.05 | t | 7383 | CYGVSATK LNDLCFSN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.004 | -0.01 | t | 48343 | PLGLKRGIE K | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0.003 | -0.001 | t | 16006 | FGLQLELT EGMRFDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 122947 | WTQEPQP LEEKWQH RVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 65050 | TLRVYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.011 | t | 72251 | WAPSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.018 | -0.007 | -0.008 | t | 158290 | SQQAPAV PPLPQ | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.011 | t | 130461 | CWNYCLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.014 | 0 | 0.002 | t | 28350 | IRNVPHPF VALGLKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.014 | 0 | 0.002 | t | 28350 | IRNVPHPF VALGLKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63043 | TAWDFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.035 | 0.041 | 0.04 | t | 39888 | LTEVETPIR NEWGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.016 | 0.02 | 0.02 | t | 41866 | MKNNPIYS EGSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.016 | 0.02 | 0.02 | t | 41866 | MKNNPIYS EGSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 133795 | DFTYDQV AFNGLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.004 | t | 141282 | GETRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.004 | t | 140665 | DTAAQI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.009 | -0.017 | t | 23226 | GVYLLPRR GPRLGVRA TRKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 135975 | PTLAFLQD VMNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.018 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.011 | -0.01 | t | 97377 | GYKGVAFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.027 | 0.02 | t | 118335 | EQLRILGEK EAKLAQQS QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.01 | t | 78937 | AYSDDFFV GRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.01 | t | 111746 | RSSRTRRE TQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.008 | 0.01 | 0.012 | t | 49636 | PTGPTIAA GGEQPPS | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.023 | -0.01 | -0.009 | t | 571 | ACKSTQDP MFTPKGCDN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 145934 | PDIIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | -0.001 | t | 108874 | DPISGHVS LF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.034 | -0.019 | -0.02 | t | 31005 | KGLRRDL ASREAKKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.016 | -0.019 | -0.022 | t | 65618 | TPKGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | -0.01 | t | 67222 | TVYFGFDK YD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 107497 | KVSNKAL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.012 | t | 7208 | CTSPYDGK YWSMYSR L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.012 | t | 47545 | PFPQPQQ QFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.024 | -0.011 | -0.01 | t | 28107 | IPVSDAQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106042 | QLKNNNP FKFFVPPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.019 | -0.007 | -0.01 | t | 115058 | GNAEVHA SFFDIGGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.021 | 0.02 | t | 34238 | KVVLPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 24009 | HHPSTDKE QTNLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 24009 | HHPSTDKE QTNLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.006 | t | 135897 | APKRPGPA GELL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.056 | 0.057 | 0.058 | t | 114848 | GVTYDNE CLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 9268 | DLRSSGCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.007 | 0.006 | t | 106762 | QYFALEAY AF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.009 | 0.01 | t | 45693 | NRKNQLK DMA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.03 | 0.03 | t | 107086 | ANYGYTFG SG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.013 | 0.021 | 0.02 | t | 79926 | MASMTG GQQMG | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.007 | -0.008 | t | 99774 | VVLGYTDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.019 | 0.012 | t | 131053 | RRVQQEID DVIGQVRR PEMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112371 | TYYCARM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.055 | -0.048 | -0.05 | t | 67569 | VAEKVRNL PA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.032 | 0.032 | t | 70270 | VPDKEVLY QQYDEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.029 | 0.03 | 0.03 | t | 63818 | TGFADPNT TTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.01 | 0.017 | 0.02 | t | 59880 | SNPTPQEI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.01 | 0.017 | 0.02 | t | 59880 | SNPTPQEI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.01 | t | 20284 | GIGPEKAF RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 56133 | RTMQYVD M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.029 | -0.039 | -0.04 | t | 41541 | MFTCKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.031 | 0.031 | 0.03 | t | 9929 | DQYCADV AAEELMN A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 60751 | SRNWLP PCY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.003 | 0.01 | 0.011 | t | 159296 | SFSKPSNS WFPVEGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 48598 | PNANPNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.005 | 0.003 | 0.01 | t | 104036 | LHSDIMFY TIENAVPIH LL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.02 | 0.02 | t | 22835 | GTSMDDE ADRYF | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.023 | -0.02 | t | 71192 | VSVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.007 | 0.011 | 0.012 | t | 151068 | VGSSRYSK KFKPEIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 139191 | NYTCCKLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107655 | VFLFPPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.035 | 0.041 | 0.04 | t | 16143 | FHSTSSEG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.011 | -0.01 | -0.014 | t | 30200 | KDLLEQKR AAVDTYC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.01 | 0.023 | 0.02 | t | 30774 | KFLNPDRE YDFRDLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.021 | -0.023 | t | 50814 | QFQGQQ QFPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.023 | -0.009 | -0.01 | t | 21277 | GMGVSCT VTREDGT NRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.018 | 0.02 | 0.02 | t | 57680 | SEWRSPA DTSPRPLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.02 | 0.02 | t | 57680 | SEWRSPA DTSPRPLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.001 | t | 140547 | CSIGEALS HGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.033 | -0.029 | -0.03 | t | 133749 | YNLLMHLS SML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 50536 | QDVVVLG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0.001 | t | 17467 | FQDMLNIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.012 | -0.013 | t | 105490 | QSRATLGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 135969 | PPEPRPRD RSGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 70945 | VSGCPMR LNMASLEE KGRHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0.002 | t | 66061 | TRLNPDLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.005 | -0.024 | -0.019 | -0.02 | t | 60792 | SRRYPFVK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.018 | -0.021 | -0.02 | t | 139500 | FHTHISV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.008 | 0.008 | t | 106595 | LDGETKTG PQRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 119474 | KIRY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.003 | 0.013 | 0.01 | t | 96017 | YHLYNSQD HG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.016 | 0.01 | t | 67069 | TVLGICALP PTPQTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.045 | 0.047 | 0.049 | t | 134131 | LEEAKTQG PYDVVVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.037 | -0.03 | -0.028 | t | 113049 | KLDAAYKL AY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.029 | 0.027 | 0.022 | t | 109780 | QVYTLPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 128024 | IKKVATPK KASPKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | -0.002 | t | 137944 | PGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.027 | 0.02 | t | 119598 | INPESDQP DLSNFMES G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 118783 | EIIVTHFPF DEQNCSM K | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56246 | RVCEKM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | -0.001 | 0 | t | 57875 | SFQSFNLT EPHIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.003 | -0.01 | t | 128101 | SFSRALEN ATRDYFIIC PII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.06 | 0.063 | t | 96170 | DEDSYERD P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.015 | 0.023 | 0.02 | t | 95263 | ATYHLYNS QD | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.034 | -0.039 | -0.047 | t | 61516 | STAIHADQ LTPAWRIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.003 | 0 | t | 39136 | LRLKKYKV PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.007 | 0.01 | t | 75532 | YQPQQPF PQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.003 | 0 | t | 118196 | VEPTGKRF L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 7532 | DAHHAAD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.043 | 0.04 | t | 78478 | PDSDPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.043 | 0.04 | t | 78478 | PDSDPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.009 | -0.016 | 0 | 0.002 | t | 65218 | TMKNNLQ T | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.035 | 0.031 | 0.029 | t | 58779 | SKAALIEEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 59024 | SLAYGLR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47189 | PDREVLRYR E | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.037 | -0.041 | t | 134418 | KGAIIGLM VGGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.04 | 0.041 | 0.04 | t | 18511 | GAALLQSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.025 | t | 134492 | QIQRPS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.004 | 0.007 | 0.009 | t | 44920 | NLVPMVA TV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.009 | 0.009 | 0.01 | t | 58950 | SKTNIFWA GDLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.009 | 0.01 | t | 58950 | SKTNIFWA GDLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.045 | 0.051 | 0.05 | t | 39888 | LTEVETPIR NEWGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.01 | 0.01 | 0.01 | t | 123259 | GQPPYMP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.061 | 0.051 | 0.049 | t | 44699 | NLEYTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.01 | -0.01 | t | 159137 | STFVVDGP ETAECPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 137407 | GPEYWDG ETRKVKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 105830 | GKSGDRS GYSSPGSP GTPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 102344 | DAEFR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 78940 | CRRHNYG FWVC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 94580 | LDNKYAGK GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 76577 | YYQQTDE ANK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 63604 | TEYYLNHG KWPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 79303 | LVAAGVD YEDERISF QDWPK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 78939 | CINHRGY WVC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 63811 | TGEDPGFF NV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48093 | PKKPENK LKQPNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 38422 | LPAYQDYT ARAQVSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 40194 | LTTDATTF EEVATAEK LV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48093 | PKKPENK LKQPNE | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48093 | PKKPENK LKQPNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 54975 | RNCKKLGP RENV A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 53326 | RDALPNTE ASGPTHSK E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 41610 | MGQHPAK SMDVRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50180 | PYVEPTAP QVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43242 | NANPNAN PNANP | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50180 | PYVEPTAP QVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 32844 | KPQEEKEK ITKEILNGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 19636 | GFTTNEER YNVFAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11815 | EENVEENV EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 27965 | IPNPLLGL D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 19636 | GFTTNEER YNVFAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 9722 | DPPPPNP NDPPPPN PN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 5728 | AYANSTQE ETF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 8475 | DGQPAGD RADGQPA GDRA | Mus musculu s |

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|---|------|---|---|------|-------|-------|-------|--------|---|--------|----------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9753 | DPRVRGLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9753 | DPRVRGLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7558 | DAKDGKEI DTKHLPS TC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6338 | CGQPVTR TDDDTVA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 78746 | MDTWNP PLGSTSQ P CLFQTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 110938 | LYIKGSGST ANLASSNY FPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 110965 | PNNNKILV PKVSG LQY RVFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 7005 | CSGPTTIR GQFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 7005 | CSGPTTIR GQFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.002 | t | 54860 | RMAWDM M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.048 | 0.04 | 0.04 | 0.038 | t | 156866 | FGSSSAG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 125799 | DDDRYSDL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.082 | 0.069 | 0.081 | 0.08 | t | 60441 | SQGISDDD NDSAVAEF FQSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.02 | 0.012 | t | 106990 | VYATRSSA VRLRSSVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.011 | 0.01 | t | 123144 | ENPTMAG YR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.009 | t | 51483 | QLPQGTTL PKGIFYAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.044 | -0.037 | -0.04 | t | 48864 | PPPPPPPP PPPPPPPP PPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 106715 | PSKECCSG TKKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.02 | -0.022 | t | 122886 | RGTDEYFI RKPP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.03 | -0.017 | -0.02 | t | 73298 | WYTTVPK YVATQGYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13525 | ENMYRYP NQVYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13525 | ENMYRYP NQVYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.031 | 0.031 | t | 144925 | NETIYNTTL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.019 | -0.031 | -0.032 | t | 26926 | IKVFG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.04 | 0.039 | 0.04 | t | 46348 | NVDENAN A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.056 | 0.057 | 0.06 | t | 11927 | EEVVGEEK LVSEEIVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.02 | 0.019 | 0.02 | t | 57147 | SCTVTRED GT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.036 | -0.033 | -0.04 | t | 144614 | DMMYGG MRGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.011 | t | 39883 | LTERLY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.021 | t | 141567 | TQDGLYH NKN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.001 | -0.012 | t | 131815 | AHELWKV PLPPKNIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 48518 | PLVAEEDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 130737 | AS AISVAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | -0.003 | -0.002 | t | 69619 | VLLPDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.019 | 0.031 | 0.03 | t | 110589 | GDICNTM HYTNWTH IYICEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.005 | -0.003 | 0 | t | 73991 | YGFQYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.039 | 0.053 | 0.052 | t | 50746 | QFDEMEE CSRHIPYLA EGQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.021 | -0.01 | -0.006 | t | 133629 | LPLRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 42694 | MSTNPKP QRKTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | -0.001 | t | 138157 | DPNAPPP PPADPNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.029 | 0.029 | t | 110862 | GGPTLVSL HELPAETP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.015 | 0.009 | t | 55670 | RRPFFHPV GEADYFEY HQEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.013 | -0.021 | t | 119547 | YKKGARPI Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43703 | NENLLRFF VA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.031 | -0.03 | t | 104139 | MW NDFW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 55071 | RNTNRRP QDVKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.006 | 0.02 | 0.022 | t | 45931 | NSNNKEYT | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51505 | QLQFPQP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.05 | 0.049 | 0.05 | t | 137888 | GTEYTV EV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.01 | -0.01 | t | 22835 | GTSMDDE ADRYF | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.023 | -0.02 | -0.022 | t | 66841 | TTTCFRDT DTGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 55751 | RRTQSMG IQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.027 | t | 108202 | VVSHFND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | -0.001 | t | 118387 | GPKGRTVII EQSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.029 | -0.031 | t | 63082 | TCKKNM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 131358 | APSVTLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.008 | t | 97282 | ESNNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.048 | 0.049 | 0.053 | t | 103117 | DTDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.008 | 0.011 | 0.02 | 0.02 | t | 66741 | TTNQALKK | Macaca mulatta |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.005 | 0.011 | 0.02 | 0.02 | t | 66741 | TTNQALKK | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.002 | -0.01 | t | 110938 | LYIKGSGST ANLASSNY FPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.002 | -0.01 | t | 110938 | LYIKGSGST ANLASSNY FPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.003 | 0 | t | 20391 | GIPDGWP | Felis catus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.041 | 0.033 | 0.028 | t | 111486 | LIEESAIINA GAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.013 | -0.02 | t | 144609 | DEKLRDYI WN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.004 | 0.008 | t | 95334 | EDVPQPP VSQFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.023 | 0.021 | t | 106947 | VATWLNP DPSQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.03 | -0.02 | -0.02 | t | 45492 | NPTIAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.03 | -0.02 | -0.02 | t | 45492 | NPTIAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.03 | -0.02 | -0.02 | t | 45492 | NPTIAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 96239 | EKPTPPVK PT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.007 | 0.008 | t | 25002 | HTVTTTTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.087 | -0.077 | -0.08 | t | 135961 | MRRPRRP GGLGG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.045 | 0.049 | 0.05 | t | 51072 | QIGNTVTP TVTFTMD GDTMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.045 | 0.049 | 0.05 | t | 51072 | QIGNTVTP TVTFTMD GDTMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.01 | t | 117736 | AEMKSLEE KIGCLLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121708 | PKPEPKPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 11814 | EENVEENV EENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 140933 | YDITGEYV QILDAHAA YLNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.051 | t | 117229 | RHGFLPRH RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.002 | t | 53334 | RDEDSYER DPYSPSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.002 | t | 31885 | KLKFGAA RV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.037 | -0.039 | t | 144652 | GMRGMK GLVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.009 | 0.01 | t | 73590 | YDTADII | Felis catus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 132036 | QVNTNKG GGVWESG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.011 | 0.009 | t | 39732 | LSVDLSLTV ELKIKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 32807 | KPNLSSKR SELSQLS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.02 | -0.02 | t | 78452 | LNVAHQLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.007 | 0.01 | t | 55293 | RPQDVKFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.01 | t | 76606 | YYSPAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.009 | 0.017 | 0.02 | t | 20562 | GKFLEGA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.009 | 0.017 | 0.02 | t | 20562 | GKFLEGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.01 | t | 86551 | MTAEPKTVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.02 | t | 119923 | GYISKAQEYFN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 153474 | TLITHIAPYIQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.003 | -0.01 | t | 124068 | ELMALHTGQSLEQIER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.047 | 0.05 | 0.05 | t | 20047 | GGTEIKYNGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.011 | 0 | 0 | t | 110562 | DIILECVYCKQQLLRREVYD | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.031 | -0.02 | -0.019 | t | 93332 | LSSLQFARAA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.039 | 0.04 | t | 110877 | GTVGENVPDDLYIKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | -0.002 | -0.001 | t | 110828 | EIDGPAGQAEPDRAHYNI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 51505 | QLQFPQP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.03 | -0.03 | -0.031 | t | 22753 | GTLTWSG K | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.013 | -0.02 | t | 133871 | LAKLGGAG QAARAGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.029 | -0.021 | -0.021 | t | 52891 | QYDSNGT KLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.038 | -0.031 | -0.03 | t | 27416 | ILYAVFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0 | 0.001 | t | 140573 | LCRSACVIY IKYSSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.029 | t | 113321 | DENPVVH FFKNIVTP RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.029 | t | 113321 | DENPVVH FFKNIVTP RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.037 | -0.03 | -0.032 | t | 41610 | MGQHPAK SMDVRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.066 | -0.05 | -0.048 | t | 65905 | TQNRQIDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 6276 | CGAVIDDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 6276 | CGAVIDDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.059 | t | 112278 | QSVLYSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.013 | 0.01 | t | 133787 | CQALVRM LAKKPGW K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.018 | -0.01 | -0.011 | t | 94945 | TLGASSGY LKGN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.013 | t | 133577 | FVVDMMERLRISQKVRVA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 108125 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 65423 | TNSHVPIL QERPPLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.003 | -0.01 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.003 | -0.01 | t | 117972 | LAVTKYKQ RNGWSHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.015 | 0.02 | 0.02 | t | 25587 | IDIDLCDIC TNTMDV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 25587 | IDIDLCDIC TNTMDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.04 | t | 144619 | DYIWNTL NSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.005 | 0.003 | 0.01 | t | 104051 | LPSDPIGG KSNMHFM NTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | -0.002 | t | 78695 | KDTNNNL YNGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 43255 | NANPNVD P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.05 | 0.05 | t | 135920 | ETSLSAAG NSII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.015 | 0.001 | 0.001 | t | 78896 | YTKDTNN NLTL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.051 | 0.05 | t | 98786 | GASEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 66343 | TSNPLGFF PDHQLDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 134781 | RGDGPFRLL GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.01 | t | 67450 | TYRGFTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 73611 | YDYQHKE G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 115434 | QEKDMAI NPSKENLC STFCK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.039 | -0.033 | -0.042 | t | 123985 | CPCGSCCS WWKWLL GLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.021 | 0.021 | t | 106357 | DTWEPF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.002 | t | 137770 | TLARSFII CIQM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.017 | 0.02 | t | 7713 | DCLLCAYSI EF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.04 | 0.04 | t | 135958 | LTAVETGH TSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.03 | -0.017 | -0.018 | t | 52107 | QQPQRPF AQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.043 | 0.04 | t | 22708 | GTIINQDP DKILTYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.033 | -0.03 | -0.03 | t | 31743 | KLAAAVLN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.058 | -0.039 | -0.038 | t | 22809 | GTSAPSGS GTSPSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.002 | t | 36124 | LGGKPAIV PDKEVLYQ QYDE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|----------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 115278 | GYGGVSLP EW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135893 | AFLQDVM NILLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | -0.001 | 0.014 | 0.023 | t | 47747 | PGSANKPK DELDYEND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.021 | 0.02 | t | 141926 | ILAALSEAA NKIEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.021 | 0.02 | t | 141926 | ILAALSEAA NKIEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.019 | -0.02 | t | 47239 | PEARQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153380 | ETELTIAAL KYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.003 | 0 | t | 116927 | AVCRTSM CSIQSAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.001 | 0 | t | 10835 | DWVKGF IDSSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.017 | -0.02 | t | 94626 | NPTCWAI CKRIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.019 | t | 4701 | ASQKIQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.05 | t | 117602 | PKVKSKKR EAVAGRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.05 | t | 117603 | PKVKSKKR EAVAGRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.041 | 0.04 | t | 149435 | QPQYSQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 139616 | SYNRGDST FESKSYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 115278 | GYGGVSLP EW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.007 | 0 | t | 433 | AASGPKVV IDGKDQN VTGSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.012 | t | 49070 | PQPQQQF PQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.007 | 0 | t | 65050 | TLRVYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.007 | 0.008 | t | 25002 | HTVTTTTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 46825 | PAIIPDREV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.004 | t | 138166 | FHEFWPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.004 | t | 138238 | SMLDTPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.004 | t | 138189 | HILGSTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.004 | t | 138202 | LPTITNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.002 | -0.004 | t | 138191 | HPTWSSL | MD |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.004 | t | 138192 | HQTPLST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 42696 | MSTNPKP QRKTKRNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | -0.002 | t | 131889 | GKTFTNG WKSTEEED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.008 | t | 7230 | CTTPAQG NSMFPSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.031 | -0.019 | -0.02 | t | 110602 | GLKAKPKF TLGKRKAT PTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.013 | -0.02 | t | 138171 | FRVVSVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.009 | t | 46859 | PALTAVET GATNPL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.01 | t | 133618 | KKLLVRGL YRISFTTYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.046 | 0.05 | 0.05 | t | 36805 | LKASAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 150874 | NWFDISK WLWYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.018 | -0.02 | -0.022 | t | 127927 | AKPAPPKP EPKPKKA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0.003 | 0 | t | 18955 | GDDPLL NQSLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.011 | 0.01 | t | 34639 | KYVTGIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.023 | 0.018 | t | 55785 | RRYQKSTEL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156919 | MLHTSM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.04 | -0.027 | -0.018 | t | 44555 | NKNDKN D | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73785 | YEVARNVSG IYHVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.003 | t | 70387 | VPNLRGDL QV | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.028 | 0.021 | 0.02 | t | 67345 | TYGLASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.037 | -0.04 | t | 46817 | PAHYANYLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.006 | -0.006 | -0.012 | t | 34170 | KVPTLK | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.048 | 0.051 | 0.048 | t | 22755 | GTLVKTIT DDQIEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.019 | t | 107517 | LSTNEVA M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.026 | -0.02 | -0.022 | t | 100351 | NQILKPKLI SYTLPVVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.045 | -0.043 | -0.05 | t | 117169 | RYHRFKEL STLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 121287 | EYFIRK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0.001 | 0 | t | 64697 | TKVTLDGR PL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 78708 | KLVEYCDF LTTFVHAK KKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.001 | 0 | t | 78708 | KLVEYCDF LTTFVHAK KKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 113879 | SQRSQDE N | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | -0.007 | 0 | t | 141932 | KDKKDDKY TKILAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 135981 | QYVISQE MERIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 43729 | NEREDERT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | -0.001 | t | 132031 | QPPAQPLS SSQPNLR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.031 | 0.029 | t | 75851 | YSPGQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.004 | -0.01 | t | 118451 | KGIIDPTKV VRTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.017 | 0.018 | t | 106457 | GIVDSKLP PIDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.011 | 0.02 | 0.021 | t | 49690 | PTLDHVLD | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.035 | 0.05 | 0.052 | t | 17333 | FPLQPQQ PFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.001 | -0.01 | t | 133798 | DKIRGEG MRYIIILD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.003 | -0.01 | t | 125416 | FYNLSKVT HIEIRNTR NLTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.032 | t | 119658 | TYGIVLLSG V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.053 | 0.05 | t | 111041 | TIGRLQDEI QNMKEE MARHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.053 | 0.05 | t | 111041 | TIGRLQDEI QNMKEE MARHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.033 | -0.04 | t | 142058 | VLGNKTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.014 | 0.036 | 0.037 | t | 136062 | FGISETQA EAILE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 129066 | KFKSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.029 | 0.03 | 0.029 | t | 56019 | RTAPGPGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.003 | -0.005 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 67492 | TYTWGEN EKDVFL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.037 | 0.03 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0.003 | 0 | t | 42795 | MTEQQW NFAGIEAA AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.029 | t | 66344 | TSNQRGV GSTVVILD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.023 | 0.021 | t | 99259 | FTVKVGDK ELF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.033 | 0.038 | t | 142382 | AEDAAEEA KEAAKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.035 | 0.05 | 0.052 | t | 73649 | YEEPNDGE ERQS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.035 | 0.05 | 0.052 | t | 73649 | YEEPNDGE ERQS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | -0.003 | t | 106513 | HKARLERP QI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 72484 | WGNGCGL FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.036 | -0.032 | t | 49368 | PSFSDIPN PI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.01 | 0 | 0 | t | 140908 | TVYFGFDK YDITGEYV QILD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.001 | 0.01 | 0.011 | t | 43191 | NAKATYEA ALKQYEAD LAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.039 | 0.041 | t | 19998 | GGRGDSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.01 | -0.01 | t | 43226 | NANANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.01 | 0.01 | 0.01 | t | 123259 | GQPPYMP P | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 73432 | YARFMDT DPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | -0.003 | -0.002 | t | 60019 | SPDRKRRA DEEEEYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134050 | FKPPKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.043 | 0.053 | 0.052 | t | 142448 | NKYRGTA GNALMDG ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79219 | FWLAVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.012 | t | 106375 | EDHAGTY GLGDRK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.003 | -0.001 | -0.003 | t | 150860 | IYLNVLKP DEKIH | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149048 | FSTQKSI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 44881 | NLSSKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.02 | t | 115096 | PPSLLFLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 112507 | FAVLKLM GRGTK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.011 | 0.009 | t | 14208 | ESLTTTSTA LGKLQDVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.023 | 0.018 | t | 26076 | IFGVDANT GNVL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.012 | t | 68182 | VEFPLDITA G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 121773 | QYVAMVA DRLFLY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.025 | -0.013 | -0.01 | t | 111588 | NLIQHVKG GTPKRPN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.012 | t | 131015 | QDRRLDEN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | 0 | t | 118568 | QKIGIEIKRTLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.001 | -0.001 | t | 76170 | YTRTWSEVDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.056 | 0.057 | 0.053 | 0.052 | t | 78154 | FEDETW | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.002 | t | 8473 | DGQPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0.001 | t | 117742 | AKAQTDREDLRTLLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.008 | 0.001 | t | 117773 | CNSRQTDREDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | -0.002 | 0 | 0 | t | 64308 | TIGKVSQK | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | -0.002 | 0 | 0 | t | 64308 | TIGKVSQK | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.007 | 0.01 | t | 48026 | PKAFDEKLFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.012 | t | 95161 | TYGKFCIKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.01 | t | 118189 | TYYIKEQKLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.011 | -0.01 | t | 41840 | MKIRLHTL LAVLTAAP LLLA | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.011 | -0.01 | t | 17136 | FNCLGMS SRDFIEGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.011 | -0.01 | t | 17136 | FNCLGMS SRDFIEGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.014 | -0.011 | -0.01 | t | 17136 | FNCLGMS SRDFIEGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.016 | t | 128612 | FDSHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134769 | QIFNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134769 | QIFNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134769 | QIFNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.013 | -0.01 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 63540 | TESTLSTAL AELAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.022 | -0.01 | -0.01 | t | 100559 | TKVTSKVRI YMKPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.006 | 0 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.006 | 0 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.003 | -0.009 | t | 119741 | AIFKSYGEII VTHFPFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.012 | -0.003 | -0.009 | t | 119741 | AIFKSYGEII VTHFPFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.003 | -0.009 | t | 119741 | AIFKSYGEII VTHFPFD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 49533 | PSTPGDNP LV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.018 | t | 124720 | SILPYGDS MDRIEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.01 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135959 | LTRAYAKD VKFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135922 | FFRMVISN PAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.027 | 0.022 | t | 131955 | LPHGNALV RYSSKEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 51084 | QIISQQPF PL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 114041 | YGSLPQKA QGHRPQD EN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 114041 | YGSLPQKA QGHRPQD EN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.022 | -0.01 | -0.01 | t | 114041 | YGSLPQKA QGHRPQD EN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 20137 | GHGSETA WGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.008 | 0.01 | t | 135936 | IERAVVHV ADTM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.011 | -0.012 | t | 33222 | KRTISIWG T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 76114 | YTLDDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 21758 | GPRLGVRA TR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.053 | -0.06 | t | 145639 | WTPGVKR NGF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.011 | t | 22303 | GSDYEDRY YRENM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 141523 | ALEPPHNL PVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.009 | t | 78937 | AYSDDFFV GRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.027 | -0.032 | t | 72922 | WPACYCY GLPNWVK V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.047 | -0.049 | t | 131022 | QSGRKGA DIM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.037 | -0.037 | -0.038 | t | 24694 | HRMAWD MMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 70459 | VPQYLRW FEEWAE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.011 | 0 | 0 | t | 79867 | INNLEVELI RGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.01 | 0.014 | 0.021 | 0.02 | t | 55066 | RNTIMASK TVGTAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.003 | 0.007 | 0.007 | t | 50172 | PYSPSQDP YSPSQDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112158 | HQYLSSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.014 | 0.02 | 0.028 | t | 116691 | DNAMDR ADTLEQQ NK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.04 | t | 10757 | DVTTLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.009 | -0.01 | t | 38632 | LPPVADLP QPGLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.009 | -0.01 | t | 38632 | LPPVADLP QPGLRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 105763 | EVHHQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 746 | ADPSIMAK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.008 | 0 | 0 | t | 11353 | EDINGIRRPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.012 | 0.021 | 0.018 | t | 48307 | PLENPSSSLFDLVARIKNLKLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.012 | 0.021 | 0.018 | t | 48307 | PLENPSSSLFDLVARIKNLKLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.038 | 0.03 | 0.03 | 0.029 | t | 156965 | SVQERYYAFWST | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.031 | -0.02 | -0.02 | t | 37165 | LLDKIYTSPLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 25101 | HVTGGAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.018 | 0 | 0.002 | t | 76248 | YVDISLDAGQYVLVMKANSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 60116 | SPLLGCIGSTCAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 40110 | LTPLEELY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 22332 | GSGASDLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0 | 0.013 | 0.02 | t | 128090 | QYYRLPMNAYRDFTSEPLNS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.021 | -0.02 | t | 57941 | SFVTRRYLSQLC | Mus musculus |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | -0.003 | t | 136568 | PYYRVFYK YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 145827 | IIPKVEGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 133398 | TKEQTTFP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.008 | t | 106225 | ADIWLTPD PTTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.008 | t | 106225 | ADIWLTPD PTTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | 0 | 0.002 | t | 87725 | QTEVAATL AYRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 15981 | FGGETFTP DWMMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 45637 | NQVYYRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.011 | 0.009 | t | 62872 | TAGWTFG AGAALQIP FA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.012 | t | 106374 | EDHAGTY GLGDRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | 0.001 | 0 | t | 60614 | SRAATLTP AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.044 | 0.043 | 0.04 | t | 97437 | LEIQGEGQ F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.033 | 0.027 | 0.028 | t | 15529 | FEFPPPT DE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140936 | YLAGKGV DAGKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 121977 | VHWKNQF DHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 156858 | DMSYYYYAL PTYT | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.013 | -0.02 | t | 98435 | RYPHYSSLI KPESSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.013 | -0.02 | t | 118809 | GGRPGAP GGSGSGP RHRDGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 149298 | ELDKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.03 | t | 117363 | RPDAEYW NSQKDLLE QKRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 4488 | ASINKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.041 | t | 120189 | RVYAYVFE HR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.041 | t | 120189 | RVYAYVFE HR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.041 | t | 120189 | RVYAYVFE HR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.041 | t | 120189 | RVYAYVFE HR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.038 | -0.04 | -0.041 | t | 120189 | RVYAYVFE HR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.037 | -0.04 | t | 46817 | PAHYANYL P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.009 | t | 57062 | SAYTPAYY TKDTNNN LTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.01 | 0.009 | t | 57062 | SAYTPAYY TKDTNNN LTL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.045 | -0.03 | -0.027 | t | 136080 | RAGTDEFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.011 | 0.019 | 0.02 | t | 47316 | PEKAFRELAD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 117642 | SKKREAVAGRGRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.01 | t | 66457 | TSTFTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0.002 | t | 17467 | FQDMLNIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.01 | t | 136081 | RTTLQSDQEEIDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.076 | 0.08 | 0.077 | 0.077 | t | 134148 | LQSDQEEIDY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.03 | t | 132260 | EKIERRQQEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.039 | -0.04 | t | 133836 | GKKRKRSRKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.032 | t | 32233 | KLVLSLCFLFSGCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.05 | 0.05 | t | 117835 | EQEAKQKLEEDAEMK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.013 | t | 151652 | HWWRAESDEARRCYNDPKC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.002 | 0.007 | 0.01 | t | 70795 | VRPATTLADG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.01 | t | 56895 | SAMILAAYHPQQFIYAGSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.01 | t | 56895 | SAMILAAYHPQQFIYAGSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 115603 | ELKVEDPFYWVS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | t | 104496 | GDD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.023 | 0.023 | 0.019 | t | 10691 | DVPDYAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.011 | t | 58371 | SHITSYPAYFW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.053 | 0.051 | t | 106790 | RSFTLASSETGVG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.045 | -0.027 | -0.029 | t | 42274 | MPGGMPGGMPGGMPGG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.041 | -0.04 | -0.042 | t | 56075 | RTHRQLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.011 | 0.01 | t | 134859 | AGENLNTSKFKKNEF | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.022 | t | 14202 | ESLNTGWLGLF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.026 | -0.021 | -0.02 | t | 12900 | EKVSRRSNFEF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.021 | 0.02 | 0.02 | t | 57506 | SESKCEE NTMFQPY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 24591 | HQLDPAF GANSTNP D | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.022 | t | 108164 | TLVCLATGFFPDHVEL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.045 | 0.038 | 0.037 | 0.038 | t | 157929 | SFEDQGRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.001 | 0 | t | 106522 | HVTPISKLMWFN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.01 | t | 119578 | FAIVKFTKV LLQYTGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.021 | 0.027 | 0.03 | t | 71902 | VVYDYQH K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.02 | -0.013 | -0.009 | -0.01 | t | 22217 | GRTPFII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.026 | 0.03 | 0.03 | t | 48900 | PPQWKLP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.007 | 0.01 | t | 36840 | LKEPTNED ILPNHNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.015 | -0.001 | 0 | t | 1480 | AGDSSTKN LIYTSTLCE LNV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.033 | 0.03 | t | 720 | ADLPQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 6524 | CKTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 22123 | GRLGTYRY VSSGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 114581 | RNIGYIFFK NSTIDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.018 | 0.027 | 0.032 | t | 49858 | PVESKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.006 | 0.02 | 0.022 | t | 96674 | NGDGNPR EVIED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 41177 | MAYRFNG IGVTQNV L YE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.007 | -0.01 | t | 78244 | PMWPME | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 156675 | GPRVVER HQSACKD S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.011 | -0.011 | t | 39182 | LRRDLAS REAKKQVE KAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 58103 | SGKGVSFQ LVKLG VW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.036 | -0.027 | -0.031 | t | 58942 | SKSSRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.02 | t | 22881 | GTVVAVG PGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.009 | t | 46859 | PALTAVET GATNPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 71298 | VTFDGGK MVQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0 | 0.002 | t | 76491 | YYDGRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 75202 | YNPLL VET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.011 | 0.01 | t | 86748 | NHIENDPL KI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 120342 | YNAEEVEF TFAVDND | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 79213 | FGMLPVP QQPMGP Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.036 | 0.047 | 0.05 | 0.05 | t | 8371 | DGEGAP | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.018 | t | 47096 | PDFYGDPL E | Mus musculu s |

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|---|------|---|---|-------|-------|-------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.009 | 0.017 | 0.012 | t | 130283 | VRGVGGP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 106941 | TVKQLYTL YPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | 0 | -0.002 | t | 14749 | EVKKKSDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 105068 | AEFDLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 145947 | PPDIIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 157127 | CFNLFLNS QEKHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 100549 | TEEKEFLKK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.011 | 0.009 | t | 56796 | SAGGQLFY SRPVVSAN GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.049 | 0.047 | 0.04 | t | 112348 | TEDLAVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 132860 | LKKLKPGL EKDF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 104461 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106535 | IFPSFLRPD PPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106487 | GTSTEVWL APDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 105163 | EFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106515 | HLPSFLRP DPPL | Mus musculu s |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|--------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 105090 | AIIGLMVG GVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106225 | ADIWLTDP PTTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 56469 | RWAPTGA PADVTDQ L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.012 | t | 141749 | SNLDHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108897 | EIDGPAGQ AEP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108897 | EIDGPAGQ AEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144800 | TNMLGYT DHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0.007 | 0 | t | 139601 | SCSRALAR EVDLKDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.03 | t | 131075 | SQSYPEPA RGSVPMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.046 | t | 117520 | GSFSDADL AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 63843 | TGGVYHF VKKHVHES | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 71353 | VTHESYQE LVKKLEALE DA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 62779 | TAADTPTA TESISPSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0.003 | -0.001 | t | 20064 | GGVATY | Macaca |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.003 | -0.006 | -0.012 | t | 130622 | TGLVAQG TDSIG | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.022 | -0.03 | -0.037 | t | 45317 | NPDKAREL LNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130590 | RCKTFGKT TLCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.002 | 0 | -0.002 | t | 55719 | RRRLRG T WV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.027 | 0.03 | t | 68725 | VGLSNPTP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.01 | -0.01 | t | 59985 | SPAQDIW GTSAAAYF VG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | 0 | 0 | t | 58511 | SIFYTYGTA PARISVPY VGI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.011 | -0.009 | -0.01 | t | 73770 | YETGWGC NPPDC | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.034 | -0.027 | -0.03 | t | 77793 | PKSKLSVK KC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.078 | 0.075 | 0.079 | 0.082 | t | 25080 | HVQTMEEI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.027 | 0.02 | t | 52184 | QRAKEALD KYELENH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.018 | -0.02 | -0.021 | t | 119861 | FHRWSSY MVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.021 | t | 119861 | FHRWSSY MVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.021 | t | 119861 | FHRWSSY MVH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.021 | t | 119861 | FHRWSSY MVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.021 | t | 119861 | FHRWSSY MVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.021 | t | 119861 | FHRWSSY MVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.006 | -0.01 | t | 25315 | IAIGGAAT GIAAVLTD GNPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | -0.001 | 0 | t | 22217 | GRTPFII | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 117666 | VAGRGRG RGRGRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.02 | 0.02 | t | 7846 | DDPLLGN Q | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.021 | 0.021 | 0.017 | t | 53429 | RDTLPQSP GPAFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.043 | -0.042 | t | 5109 | ATPYHPPA TP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.034 | 0.04 | 0.04 | t | 84184 | KASAEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.034 | 0.04 | 0.04 | t | 84184 | KASAEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 122445 | KQYSIEAA LRCRRISKE EYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | 0 | -0.001 | t | 95092 | GYQKTVD HTKVNSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 39885 | LTETKIDKL C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.035 | 0.04 | 0.041 | t | 134021 | CQSIAAP KTS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.039 | -0.03 | -0.032 | t | 15973 | FGEWRER VLLNR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.037 | 0.043 | 0.041 | t | 105072 | AEPRQEFE V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79284 | LDAVPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | -0.003 | -0.002 | t | 33148 | KRHDGGC RKE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 9941 | DRADGQP AG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 156862 | DVGDPRLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10800 | DWEDRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.03 | 0.03 | t | 18039 | FTPGPSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140834 | DAVKGYLE GKGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.011 | t | 22303 | GSDYEDRY YREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 78635 | EKIERNNK LKQPPPP NPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.004 | -0.016 | -0.01 | -0.011 | t | 47662 | PGGGQIV GGVYLLPR R | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.016 | -0.01 | -0.011 | t | 47662 | PGGGQIV GGVYLLPR R | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 140725 | PDELHK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 137743 | DTPLTIAGL KLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 137770 | TLARSFICI QM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 138862 | KFPED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 150858 | ISSLYNLVK SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 135569 | KTNMK | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|--------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 140674 | ESQPDPKP DELHKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117495 | ERDRKREK RKPKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131217 | EDISAYLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117614 | QGFPFYDK PMRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 105163 | EFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 102423 | FEYQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 102931 | WQALCAY QAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 67967 | VDGSDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 75441 | YPYDVPDY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 60917 | SSAVVDNK LKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 63839 | TGGSTDG KQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 45932 | NSNNPDW DF | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 40332 | LVFFAEDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 40332 | LVFFAEDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50637 | QELDCWHYQHVCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 46054 | NTANPDW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 38304 | LNPKTNK WEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 51853 | QPHGGGW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 30093 | KCTSDQDE QFIPKGC SK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11571 | EEEDDDMGFLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 17262 | FPCDRLSG YWERGIP PCVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11571 | EEEDDDMGFLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11571 | EEEDDDMGFLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 32808 | KPNLSSKR SELSQLSM YRVF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 22586 | GSYNRSSF ESSSGLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 28299 | IRGDTFAT R | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 4401 | ASFFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 4907 | ATCDKLFG YYERGIPLP CAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 3952 | AQEPPRQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.051 | 0.05 | 0.05 | t | 63542 | TESTVSSAL AELAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.04 | t | 48849 | PPPAPDPS PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153841 | KCLKFYSKI SEYRHY | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.019 | -0.021 | t | 12247 | EGQDRGY SY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.026 | 0.033 | 0.03 | t | 123851 | WTEVSEV ATEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 138080 | VSLGQNVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.037 | -0.027 | -0.031 | t | 53876 | RGGIPSLK KGKDIKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45405 | NPNANP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.01 | t | 37656 | LLPHSNLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.045 | -0.037 | -0.042 | t | 134076 | GWLGFNK ERGLHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 135457 | FGF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 55162 | RPGLPVEY LQVPSEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.009 | 0.001 | t | 122445 | KQYSIEAA LRCRRISKE EYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0.001 | t | 122445 | KQYSIEAA LRCRRISKE EYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 137401 | FEDVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.032 | t | 10636 | DVKFPGG GQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | -0.003 | t | 131897 | GQMPNN QSINSKVS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.009 | 0.01 | t | 97404 | ISPNDNTF V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.047 | -0.039 | -0.041 | t | 138028 | SAGALQLL VVGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.039 | 0.05 | 0.053 | t | 111309 | GDTPTLHE YMLDLQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.049 | -0.037 | -0.04 | t | 63098 | TCRRMLAF LKDKENR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | 0.003 | 0.001 | t | 118824 | GRRPFHP VGEADYFE YHQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.029 | -0.027 | -0.022 | t | 134509 | RHFFNRSG TV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.051 | 0.043 | 0.05 | 0.05 | t | 45571 | NQITSALS TQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.01 | t | 100502 | SEEGRGLL KK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.019 | 0.021 | t | 62641 | SYLPQLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.082 | 0.075 | 0.081 | 0.08 | t | 20174 | GHQVGDDG E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.009 | -0.01 | t | 30304 | KEAPTTKP TEKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0 | 0.01 | 0.01 | t | 139100 | ITGRLAAL NAYVSQTL TQY | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.02 | t | 7057 | CSPRTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.013 | 0.009 | t | 67069 | TVLGALP PTPQTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.077 | 0.079 | 0.072 | t | 131048 | RQSDGQY QM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.023 | 0.019 | t | 23694 | HEIAWFTE RSDKSYEH QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.023 | 0.019 | t | 23694 | HEIAWFTE RSDKSYEH QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.016 | 0.023 | 0.022 | t | 106073 | RGVTHDQ L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.063 | -0.06 | -0.063 | t | 110390 | QWGRL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 73384 | YALADASL KMAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156909 | LAHPFTP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | 0.003 | 0 | t | 76396 | YVRGGGA VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | 0.003 | 0 | t | 70153 | VNPNNAA AL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.009 | 0.01 | t | 2220 | AKKQVEK ALEEANSK LAALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.055 | 0.061 | 0.06 | t | 19723 | GGESSEEL SESSFFNLI T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | -0.001 | 0.017 | 0.022 | t | 153829 | ERSVQKLQ KEVDRLD E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.007 | -0.01 | t | 51529 | QLRRKLEF FTYVRFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.023 | 0.02 | t | 95480 | ITELSEFIP GAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.009 | 0.01 | t | 24878 | HSWYNDL LVDFDSKD IVDKY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119633 | QYTGHIT WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 157702 | NKFAVETL | Chloroce bus aethiops |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.009 | t | 103185 | FRMELLSL PQDEWAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 22494 | GSRYPGQ GSPG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.008 | 0.003 | 0.002 | t | 157772 | QGMMSPP GRSEK | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.03 | t | 117364 | RPDAEYW NSQKDLLE QRRAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.014 | 0.01 | t | 23171 | GVTLLQAA PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.006 | 0.013 | 0.009 | t | 105684 | ASFDKVKG DPVGILYA VFKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.039 | -0.029 | -0.03 | t | 110427 | STWPTTTP RPIPKPSP WAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.007 | -0.008 | t | 60752 | SRPGLKPD LTGTSKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.013 | 0.02 | 0.021 | t | 150858 | ISSLYNLVK SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 26046 | IFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.037 | 0.04 | t | 51147 | QIVGGVYL L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | -0.001 | t | 55070 | RNTNRRP QDV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.059 | 0.057 | 0.058 | t | 55861 | RSILDLDLT K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 153440 | PRLKNPPK KPKDDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.037 | -0.033 | -0.04 | t | 119609 | LHQDWLN G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0.003 | 0.002 | t | 12258 | EGRFKSQD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.03 | t | 34935 | LAQMYQA NDNSLED V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 54430 | RKTKRNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.077 | 0.072 | t | 122746 | EEQEDEIIG FGQELKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.039 | 0.043 | 0.04 | t | 99450 | LRPEDTLE EKMYACR | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.037 | -0.03 | -0.031 | t | 41610 | MGQHPAK SMDVRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.008 | t | 38702 | LPSDFFPS VRDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 115349 | LKGYGGVS LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 116971 | FAVLKLM GRGTKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.024 | 0.023 | 0.029 | t | 105884 | IMAKFTQF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.007 | 0.008 | t | 98734 | DLEILLQK WE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.017 | 0.011 | t | 122730 | DPAQPPR D | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | 0.007 | 0 | t | 121051 | VSEGTKAV TKYTSSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.007 | 0 | t | 121051 | VSEGTKAV TKYTSSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 46858 | PALTAET G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.025 | 0.03 | 0.03 | t | 19301 | GEILLNQL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.043 | -0.033 | -0.03 | t | 55640 | RRLGAALL QS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.029 | t | 113321 | DENPVVH FFKNIVTP RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.029 | t | 113321 | DENPVVH FFKNIVTP RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.054 | -0.04 | -0.04 | t | 39196 | LRRRLTAC ERAKRTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.01 | -0.01 | t | 51474 | QLPNVGIT QGIV | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.043 | -0.05 | t | 119823 | EDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.009 | 0.012 | t | 24449 | HPFVALGL KQPKEIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.026 | 0.033 | 0.03 | t | 58212 | SGQTPQ VETEDTKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.05 | -0.04 | -0.04 | t | 47157 | PDPLKPTK R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.027 | 0.028 | t | 14638 | EVDDEALE KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.011 | t | 918 | AEGEFATA PPSHYSW DPAK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.004 | 0.01 | 0.01 | t | 86742 | NGVWVM MDGNEQ VEYPLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.037 | -0.038 | t | 77826 | AFLRHAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 112134 | GLVGPRGE RGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | -0.011 | -0.001 | 0 | t | 51259 | QKTLTKTS | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.007 | 0.01 | t | 44172 | NHVADIDK LIDYAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.033 | 0.032 | t | 34942 | LARGSPPS LASSASQ LSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | -0.003 | -0.002 | t | 115300 | ISCDKFLD DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.013 | t | 35060 | LCKDKKAD SGYCYWV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.013 | t | 35060 | LCKDKKAD SGYCYWV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.009 | t | 122874 | PPARALKR SLWVEVD LLIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.049 | 0.05 | 0.049 | t | 123849 | WQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.011 | -0.008 | t | 63967 | TGSQDFFV RSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.009 | t | 36950 | LKLSIPVAE RAKPRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.04 | t | 115631 | NVRFSDEG GFTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.012 | t | 60917 | SSAVVDNK LKI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.017 | 0.018 | t | 98696 | AMAASDIS LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | 0.001 | 0.001 | t | 63217 | TDQMEVD SGPRKRPL RGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.032 | t | 94741 | WEQWW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.001 | 0.01 | 0.01 | t | 110562 | DIILECVYC KQQLLRRE VVD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.008 | t | 8267 | DFFVRSIG SKGGKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 44911 | NLVDWLR QY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.026 | -0.03 | t | 117885 | GMRPPM GPPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.022 | 0.018 | t | 96081 | AKIDDPTD SK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.027 | -0.03 | t | 51361 | QLGPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.027 | -0.03 | t | 51361 | QLGPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42493 | MRQLDTN VER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.03 | -0.027 | -0.03 | t | 78281 | TKLPAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.009 | t | 104161 | NVVLKIT ESATSPPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.012 | t | 73021 | WRCVVYP GNGFVSAS IFGFQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 105127 | DAEFRHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.032 | 0.029 | 0.03 | t | 78637 | EKSLTSLSE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.065 | 0.067 | 0.07 | t | 12498 | EIKYNGEE YL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.014 | 0.023 | 0.022 | t | 133795 | DFTYDQV AFNGLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.032 | 0.04 | 0.04 | t | 34217 | KVTLADAG FMKQYGE CL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.032 | 0.04 | 0.04 | t | 34217 | KVTLADAG FMKQYGE CL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.014 | -0.01 | -0.01 | t | 50177 | PYTSTLLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.021 | t | 131700 | TGVTTQG VKSLTSM YVKEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.03 | -0.017 | -0.018 | t | 47643 | PGFGDRR KAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.021 | 0.02 | t | 51454 | QLNPKDN DVEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.038 | 0.029 | 0.03 | t | 30986 | KGIYPLSYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.008 | 0.001 | -0.001 | t | 62872 | TAGWTFG AGAALQIP FA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.007 | -0.012 | t | 156911 | LGMSTNP GPRIL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 96126 | AVNVPKV TKE | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.039 | -0.041 | t | 120410 | ARLVVLAS GTGSLLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.012 | t | 60992 | SSFFSYGEI P | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.012 | t | 142386 | ANKYQISV NKYRGTA GNAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.029 | 0.03 | t | 57196 | SDFTDSVR DPKTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.007 | 0.02 | 0.02 | t | 149731 | GVSDYHK NLINN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.052 | 0.063 | 0.062 | t | 26235 | IGGSQAQT AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.017 | 0.02 | t | 135448 | AKYGAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 79652 | SSFSPST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.03 | t | 127185 | TCDDPRF QDSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.033 | 0.028 | t | 59983 | SPAPPPPE HRGGPEEF EGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.014 | t | 133630 | LPPGLHVF PLASNRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.001 | -0.022 | -0.01 | -0.01 | t | 115593 | AQGHRPQ DEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.022 | -0.01 | -0.01 | t | 115593 | AQGHRPQ DEN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.019 | -0.022 | -0.01 | -0.01 | t | 115593 | AQGHRPQ DEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 115593 | AQGHRPQ DEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 115593 | AQGHRPQ DEN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.041 | t | 130567 | NPCEDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.013 | -0.012 | t | 32975 | KQEVQRG GRYNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.019 | 0.03 | 0.032 | t | 36042 | LGAALLQS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.03 | 0.032 | t | 36042 | LGAALLQS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.01 | t | 95100 | IMPATSDS VPLIAQYF ASTM | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.013 | 0.03 | 0.032 | t | 35098 | LCSGGYTV SKSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.013 | 0.03 | 0.032 | t | 35098 | LCSGGYTV SKSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.001 | t | 108629 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.001 | t | 108629 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 20850 | GLFGKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.019 | 0.019 | t | 137828 | DVLLAGN AEADR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.004 | 0.01 | 0.011 | t | 21807 | GPTEESVE RAMGRVA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133156 | IRLR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.019 | 0 | 0.002 | t | 45162 | NNLGLLCE YQAIGSA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 119827 | EFHRWSSY MV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 119827 | EFHRWSSY MV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 119827 | EFHRWSSY MV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.03 | t | 111693 | QVILCPTS VFSSNEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.017 | 0.011 | t | 139493 | EQSADSSR HSGSGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 129025 | KAFDKHM N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.036 | -0.033 | -0.04 | t | 144614 | DMMYGG MRGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 48496 | PLTDFDQG WG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 7673 | DAVTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 115308 | KFLDDDLT DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 123048 | ATKKAVQ G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 139770 | GWYSFQH | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.017 | 0.02 | t | 112837 | SGYIPANT TIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.059 | -0.067 | -0.06 | -0.061 | t | 11370 | EDKLADYK RRMADA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.016 | 0.016 | t | 125209 | QFQIHGPR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.01 | t | 44175 | NHVSPTHY VPESDAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.008 | t | 72503 | WGQGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.013 | 0.01 | t | 41544 | MFTKYNG NLNTI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | -0.001 | t | 59944 | SNVPFSPD GKPCTPPAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.017 | -0.019 | t | 107124 | GAPGLRG GAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.019 | 0.03 | 0.031 | t | 144776 | SEISTGLVG ITSVAS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 153370 | DKEGIPPD QQRLIFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 95739 | QRYQKFAL PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.021 | 0.025 | 0.03 | 0.03 | t | 29972 | KAVEKVTE TLLKGAK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.017 | -0.022 | t | 65476 | TNVGLKIR QLLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.017 | -0.022 | t | 65476 | TNVGLKIR QLLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.008 | t | 111820 | TEAVPGDP DVNRF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48597 | PNANPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 97348 | GLFGAIAG FIEGGW | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 156907 | KVGDPLW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.011 | 0.01 | t | 29463 | IVTCAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 24881 | HSYSPGEI NRVASC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.022 | -0.019 | -0.019 | t | 48732 | PPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10538 | DVAGLEK DPVA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.042 | -0.031 | -0.03 | t | 133647 | MMHVER KEC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.016 | 0.017 | 0.018 | t | 50863 | QGFSRNTL EAAFNAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 44554 | NKND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120681 | KILPEVKEK H | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.023 | 0.023 | 0.02 | t | 115265 | GKDITADN K | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101983 | PVYQQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.016 | -0.01 | -0.01 | t | 29824 | KAIERM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112853 | TPTFMYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 113879 | SQRSQDE N | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.006 | t | 113966 | TTHYGLSP QKAQGHR PQDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 131688 | SYSCQVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.023 | 0.02 | t | 35139 | LDEGKQSL TKLAAAW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.05 | 0.06 | 0.067 | 0.06 | t | 134265 | VQLEDPEF QASNIMH SINGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | -0.002 | t | 72321 | WDMMM NWSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.022 | -0.006 | 0.01 | 0.01 | t | 21373 | GNAEKYD KMDEPQH YGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 40332 | LVFFAEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 126328 | ISHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 32648 | KPAIIPDRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.029 | 0.03 | 0.031 | t | 63811 | TGEDPGFF NV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.054 | -0.053 | -0.052 | t | 114454 | LIYIERGRG ITGVLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.019 | 0.03 | 0.03 | t | 16120 | FHLGDDM DPELRGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.019 | 0.03 | 0.03 | t | 16120 | FHLGDDM DPELRGL | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.013 | 0.01 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.011 | 0 | 0 | t | 42382 | MQKGFVSI NDNKHYF DDSG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.064 | 0.06 | 0.06 | t | 78806 | QSQIESR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.064 | 0.06 | 0.06 | t | 78806 | QSQIESR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.001 | t | 158938 | KTQNQGP WDEGRVE ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.041 | t | 96788 | QQEQQFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 128088 | QVYYRPV | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 108104 | RRLPFGSQ M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.047 | 0.047 | 0.05 | t | 13587 | ENSEKTTM PL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.013 | 0.012 | t | 73036 | WRIYSTGN NVFQTQA GC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.003 | 0.013 | 0.012 | t | 73036 | WRIYSTGN NVFQTQA GC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.024 | 0.031 | 0.03 | t | 41868 | MKNNPVY SESL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.007 | -0.008 | t | 20152 | GHLAPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 6884 | CQKAGGV AL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 21720 | GPPAAEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.009 | 0.001 | 0 | 0 | t | 109750 | QGPKGEP G | Macaca mulatta |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.003 | -0.002 | t | 76131 | YTNGPQEI YIQQGNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.001 | t | 71284 | VTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.02 | 0.02 | t | 71855 | VVTLYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.029 | t | 131114 | TQLDELLT EHRMTW DPAQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0.003 | 0.002 | t | 38496 | LPGCSFSIF LLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.023 | -0.03 | t | 144759 | RAALPSHV VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79462 | VTSTYH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.047 | 0.05 | 0.05 | t | 141067 | PLSLEPDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99276 | GGKGPLLS ILKAFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 115202 | DDLTDI MCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.036 | -0.033 | -0.03 | t | 9633 | DPFFPWP RTTFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.069 | 0.068 | t | 122746 | EEQEDEIIG FGQELKN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135465 | GSDYEDRY YREN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.009 | 0.023 | 0.02 | t | 46072 | NTDGSTDY GILQINSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.011 | 0.011 | t | 30629 | KETLHSTS PEGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.003 | -0.01 | t | 134799 | SRKPEAPR RRSPSPT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.022 | 0.02 | 0.02 | t | 57289 | SDSQTITN PAYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.033 | -0.03 | -0.03 | t | 29825 | KAIERMKD TL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.019 | 0.01 | 0.006 | t | 140730 | QFAYDGK DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77781 | GLVGRPKS KL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3288 | ANGAGNQ PG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3288 | ANGAGNQ PG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3288 | ANGAGNQ PG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 61842 | STPVAPTQ EV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 46774 | PAEEEEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.01 | t | 131978 | MLVGGST LCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.018 | t | 64032 | THGQWN KPSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.039 | -0.033 | -0.032 | t | 117396 | VKNLHNQ ARS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.033 | -0.023 | -0.02 | t | 147033 | IILHQQHH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.011 | t | 102563 | KKRPPKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.02 | t | 39936 | LTGYGT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.038 | t | 117509 | GQIPPGAM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.039 | 0.037 | 0.032 | t | 109779 | QVSLTCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112854 | TSPSVAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.033 | 0.03 | t | 149093 | QGRNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.013 | 0.01 | t | 115619 | IRALVGDEVELP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.019 | 0.018 | t | 72507 | WGQGGT HGQWNK PSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.019 | 0.018 | t | 72507 | WGQGGT HGQWNK PSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.008 | -0.01 | -0.013 | t | 146185 | DAEFGH | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.044 | -0.043 | -0.04 | t | 65114 | TLTWSGKF | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.041 | -0.029 | -0.03 | t | 18053 | FTQC SMNVVSKTLFRKSPIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.007 | -0.007 | -0.01 | t | 29744 | KAAASKVK ANLLSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.017 | 0.017 | t | 141751 | SQIQRPVK ELAFPGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.046 | 0.05 | t | 135990 | SASVPALT AVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 117551 | KREAVAG RGRGRGRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.051 | 0.049 | 0.05 | 0.05 | t | 63979 | TGTIINQD PDKILTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 115347 | LIVTQTMKGL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.007 | 0.001 | t | 135546 | DWEYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.011 | -0.01 | t | 60914 | SSATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 99185 | EENEGGNI FSGFTPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.033 | 0.041 | 0.04 | t | 137859 | FTPGTEYT VEVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 53923 | RGLTSLFS AFSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 155473 | PSTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 149298 | ELDKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.021 | 0.029 | 0.03 | t | 12259 | EGRFKSQD AD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 44554 | NKND | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.019 | -0.023 | -0.022 | t | 44276 | NILISLTDL EIW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.027 | 0.028 | t | 116740 | GRDPYSPS QDPYSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 42425 | MQWNST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.033 | 0.03 | t | 106789 | RSFFSFLGE AFDGARD M | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.023 | -0.029 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.023 | -0.022 | t | 70443 | VPQKAVP YPQRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.01 | 0.011 | t | 123282 | HACQKKLL KFEALQQE EGEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.011 | t | 123282 | HACQKKLL KFEALQQE EGEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0.002 | t | 38700 | LPSAVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.032 | 0.04 | 0.04 | t | 7383 | CYGVSA TK LNDLCFSN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.032 | 0.04 | 0.04 | t | 7383 | CYGVSA TK LNDLCFSN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.003 | 0 | t | 44569 | NKPNNDF HFEVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137734 | DTALT KAA LKL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 112816 | PGKVC GS NLLSICKTA EF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.042 | 0.04 | 0.04 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.026 | -0.014 | -0.008 | t | 59212 | SLKEKLQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.003 | -0.008 | t | 8930 | DKLKQQR DTLSTQKE T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 111589 | NLIRHVGG GTPR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.013 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.01 | 0.01 | t | 7171 | CTKPTDG NC | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.01 | 0.01 | t | 7171 | CTKPTDG NC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | 0 | 0.001 | t | 144748 | QAVNPNA GN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.001 | 0 | t | 10835 | DWVKGFP IDSSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | -0.001 | 0 | t | 10835 | DWVKGFP IDSSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.025 | -0.019 | -0.02 | t | 53763 | RFQEALKK SLKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.067 | 0.055 | 0.063 | 0.07 | t | 104057 | LTEPTTEG DQHPGTL PAANT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.007 | -0.01 | t | 118430 | ISDAMKKV GRKGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 79428 | TKLKGESG Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0 | 0.013 | 0.01 | t | 8475 | DGQPAGD RADGQPA GDRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.038 | 0.046 | 0.05 | t | 28907 | ITGEYVQIL DAHAAY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.048 | t | 153460 | SFEVDPID ENSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.04 | t | 139616 | SYNRGDST FESKSYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.008 | t | 60594 | SQWNKPS K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0 | t | 68763 | VGPQSVG PL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.014 | -0.009 | -0.01 | t | 52058 | QQLIVARQ KL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 119579 | FKDYSSVV RPVEDHR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.007 | 0.01 | t | 55761 | RRVGLSNP T | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.029 | 0.028 | t | 65944 | TQTADVPT EAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 58409 | SHSAFNM FDFGVGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 58416 | SHSQLGPP VGGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 21026 | GLLRHYTY ARFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 18363 | FWRGDLV FDFQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.028 | t | 125414 | FSEEKLVFS LRLMEEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.027 | -0.03 | t | 51841 | QPGLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.022 | t | 140488 | MSLLGHK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.062 | -0.047 | -0.033 | -0.04 | t | 127733 | LWRCALR WAERQVG A | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133371 | SPSPTPTP GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 12688 | EKFVKEQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.02 | t | 70975 | VSHDRHFL N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.037 | -0.027 | -0.028 | t | 144594 | ARGISRTK YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.022 | -0.011 | -0.01 | t | 62845 | TAFSKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.003 | 0.01 | 0.012 | t | 113194 | TGGAYQSY KF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.013 | -0.003 | 0 | t | 65514 | TPAYYTKD TNNNLTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.033 | 0.03 | t | 6281 | CGELGVDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 138229 | QPAPNAQ PAPGAPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.007 | 0.011 | t | 96085 | ALCSEKLD QWLCEKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9611 | DPDKDVDI MV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 24652 | HQTLQDP RVRGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.03 | t | 55066 | RNTIMASK TVGTAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.03 | -0.019 | -0.02 | t | 50442 | QDAYNAA GGHNAVF NFPPNG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 120920 | RLVEHLLD PSRYNKLIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0.002 | t | 129718 | RATPPPGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 57680 | SEWRSPA DTSPRPLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.024 | -0.017 | -0.02 | t | 77808 | YGCWKGL VGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 118196 | VEPTGKRF L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.03 | t | 107366 | FPPKPKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.059 | -0.047 | -0.05 | t | 132763 | YMASLQM RGNPGSH F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 136059 | EGY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.056 | 0.049 | 0.05 | t | 67967 | VDGSDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.017 | 0.018 | t | 114948 | SIEFGTNIS K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.046 | 0.04 | t | 109620 | NDGQPGP A | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 7058 | CSQAAPYI E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 102942 | YGCYCGK GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 102942 | YGCYCGK GG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.045 | -0.043 | -0.05 | t | 117169 | RYHRFKEL STLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | -0.002 | t | 7491 | DAEFRHDS GYEVHHQ K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.02 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.02 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.019 | -0.01 | -0.01 | t | 64752 | TLDHVLDH | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.027 | 0.03 | 0.027 | t | 114558 | QVVRPERS RQEWERQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.027 | -0.013 | -0.02 | t | 136137 | APDRKGFR LLLASPRSC YKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.041 | t | 136074 | LVKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 98981 | REEREEDW RQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.009 | -0.026 | -0.02 | -0.02 | t | 41126 | MASLIYRQ LL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.034 | -0.02 | -0.02 | t | 31005 | KGLRRDLD ASREAKKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 33834 | KTQYSKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.012 | -0.003 | -0.001 | t | 104996 | TAFCGPVG AH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 48837 | PPNAPIL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.036 | 0.045 | 0.05 | 0.05 | t | 50156 | PYQGSKG GVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 20137 | GHGSETA WGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.011 | 0 | 0.002 | t | 111510 | LPSEATVYL PPVPVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.017 | t | 115435 | QEQNQEQ PIRCEKDE RFFSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.029 | -0.021 | -0.019 | t | 53693 | RFDRGYIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.02 | 0.02 | t | 34238 | KVVLPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 24009 | HHPSTDKE QTNLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.065 | -0.06 | -0.062 | t | 131967 | LRLDCRHE N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 146624 | WNWFDIT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 102943 | YGCYCGLG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.039 | -0.031 | -0.031 | t | 11802 | EENKKPAE | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.023 | -0.03 | t | 131053 | RRVQQEID DVIGQVRR PEMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.069 | -0.061 | -0.06 | t | 74135 | YHRVMYA S | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | 0.001 | 0 | t | 85032 | LCVYGKLQ KN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 158910 | KNLDIDPK LQEYLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158610 | SFGTFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.052 | -0.042 | -0.04 | t | 96028 | YSWRSKY GWT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.007 | 0.021 | 0.021 | t | 68054 | VDREGRD NVRSKGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 98763 | ENKVLVLD TD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.054 | 0.06 | 0.06 | t | 105979 | NIEADVNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.027 | -0.033 | t | 142007 | SDWRFLR GYHQYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.007 | 0 | t | 98387 | QPPCPNLV SYSSYHAT YS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.019 | 0.018 | t | 50505 | QDPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.029 | 0.029 | 0.03 | t | 12953 | ELAPEDPE DSALLED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9934 | DRAAGQP AG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9934 | DRAAGQP AG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113778 | QQPGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.04 | 0.038 | t | 120804 | MRSFSLST NLQESL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.015 | -0.01 | -0.01 | t | 105228 | GLMVGGV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 105228 | GLMVGGV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 24105 | HITHYFVV PSVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.01 | t | 153469 | STETGNQ HHYQTRV VSNANK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.031 | -0.029 | -0.031 | t | 71262 | VTCAMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.04 | -0.027 | -0.02 | t | 127950 | DVPVVTSV TTAGVGPS PDIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 135926 | GADIKKT MEGPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.002 | 0.007 | 0.01 | t | 37997 | LMCDIDG NRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.052 | -0.04 | -0.039 | t | 53864 | RGFLGRM LF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.023 | -0.03 | t | 102643 | MASPGSG FWSFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112849 | TIKNTFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.029 | -0.03 | t | 26234 | IGGPLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 140507 | TKTWQSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.013 | -0.019 | t | 122175 | RLGKRDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.008 | t | 134006 | ALRMEVL GCEAQDLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 96014 | YGWTAFC GPV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.012 | -0.01 | t | 40793 | LYIGGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 118615 | SVLTQSVK NNTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.026 | -0.021 | -0.02 | t | 28389 | IRRPKHLY VS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.045 | 0.043 | 0.046 | 0.05 | t | 42678 | MSTLQEL QENITA | Mus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.031 | t | 9598 | DPAPPNA NDPAPPN AND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.007 | 0.01 | t | 8383 | DGFKVSNS SA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.023 | -0.01 | -0.01 | t | 21277 | GMGVSCT VTREDGT NRR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.003 | 0.01 | 0.01 | t | 7649 | DASREAKK QVEKALEE ANSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.016 | 0.012 | t | 72252 | WAPTAPL PGDMNPAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.003 | -0.009 | t | 122732 | DRKASPPS GLWSPAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 156938 | PPEKIHV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.027 | 0.022 | t | 142386 | ANKYQISV NKYRGTA GNAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140934 | YGEEKPAV LGHD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.016 | 0.03 | 0.034 | t | 97247 | DNTFVTTS L | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | -0.002 | t | 62961 | TAPTDPTERTVWTFG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.004 | 0.01 | 0.012 | t | 133727 | VERKECAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | 0 | 0.001 | t | 144748 | QAVNPNA GN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 48599 | PNANPNA NPNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.047 | -0.033 | -0.038 | t | 133232 | MGPRRRS RKPEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.018 | -0.01 | -0.008 | t | 68182 | VEFPLDITAG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.008 | t | 68182 | VEFPLDITAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0.001 | t | 12375 | EHWSYGL RPG | Canis familiaris |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0 | 0 | t | 107246 | TEIPKEEKD PGMGAM | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.02 | t | 60792 | SRRYPFVK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.002 | t | 121287 | EYFIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.017 | -0.003 | 0 | t | 32970 | KQEGDKC VENPNPTC NENN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0.001 | t | 116284 | CAYSVAHL C | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.055 | 0.061 | 0.062 | t | 19621 | GFSYDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | -0.001 | t | 6561 | CLFYASEM SEKGFKVIF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.029 | t | 108131 | SKDWSFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99266 | GDLIAVPT GVAFWLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.011 | 0.01 | t | 54206 | RIPADVID AFHAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.008 | 0.01 | 0.01 | t | 7761 | DDEADRYF TYEE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.042 | t | 117948 | KFVETPGQ KYKETDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.047 | 0.042 | t | 117948 | KFVETPGQ KYKETDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111089 | ADVMTYI HSMNSTIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111089 | ADVMTYI HSMNSTIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111089 | ADVMTYI HSMNSTIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52420 | QSRGEAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.039 | 0.047 | 0.04 | t | 124367 | KLKARVDE LERIRRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.001 | -0.001 | -0.002 | t | 5904 | AYQQGVT VDSIGMLP RFIPE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.007 | 0.002 | t | 145657 | YRSYNDSDP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.013 | 0.01 | t | 67059 | TVLAQALV RE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.035 | -0.03 | -0.027 | t | 133683 | RQRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.005 | -0.01 | -0.012 | t | 7143 | CTGDARH C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 66060 | TRLNPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.011 | 0.02 | 0.02 | t | 139880 | RDEYDHVL SAKLAEQY DT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 21601 | GPEET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.036 | 0.041 | 0.04 | t | 55627 | RRKLTNPA NKEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 106862 | SPEFRRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0 | t | 141969 | NGTYQTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0 | t | 141969 | NGTYQTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.03 | t | 134696 | ITLYLTEK | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 115304 | KCEVFREL KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.011 | t | 9934 | DRAAGQP AG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133722 | TSKSKYPL VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 78504 | RLFLHV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.012 | t | 125600 | WESYPFRV GTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 145172 | EPPDDDD S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.003 | -0.01 | t | 119674 | WNPDDYG GVKKIHIPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.009 | -0.011 | t | 103162 | FCGRIHTR YSSAYEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121828 | RVYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 153393 | GPDAPRIP LSKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.047 | 0.05 | 0.05 | t | 141004 | EPDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 91966 | SLMVALDS NNTMPFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.013 | -0.02 | t | 144697 | IYRNLYWE GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 107364 | FNWYVDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.023 | 0.02 | t | 49954 | PVSATAM APSVDP SAEPTAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 76606 | YYSPAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.021 | 0.019 | 0.02 | t | 122156 | NLHIDPTLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 140507 | TKTWQSM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | 0.003 | 0 | t | 106398 | EQLAEVAV SAKR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.019 | 0.02 | t | 76014 | YTESMAG KRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.015 | -0.007 | -0.01 | t | 60959 | SSDSQTIT NPAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 96210 | EDKEEDEE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.02 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.012 | t | 89660 | TQKIPKAN AADADTD TT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.031 | -0.038 | t | 96808 | QVKSGTIF DN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 18511 | GAALLQSA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.007 | 0.008 | t | 10277 | DSYGRDPY SPSQDPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 49023 | PQLGPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 115519 | TPEVDDEA LE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.024 | 0.02 | t | 78845 | TATKQAEA AAPVVESK WRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.041 | t | 136074 | LVKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.002 | 0.009 | 0.01 | t | 15179 | FAGKDLESI KGTAPFEI HAN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | -0.003 | t | 126786 | NRYTGPYT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.027 | 0.029 | t | 64640 | TKPTDGN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.019 | 0.02 | t | 5350 | AVGPGRWDED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.03 | t | 121732 | QAPEYRGRTTELLKESIGE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.012 | t | 7313 | CVTIMTVDNPASTTNKDK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.024 | 0.023 | 0.02 | t | 97324 | GDSQATYNY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 33857 | KTSERSQPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 51483 | QLPQGTTLPKGFYAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.017 | t | 134028 | DDTIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.022 | t | 5344 | AVGGYAISIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.031 | 0.029 | t | 22223 | GRTWAQPGYPWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.001 | 0.01 | 0.01 | t | 21807 | GPTEESVERAMGRVA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.017 | 0.019 | 0.021 | t | 14844 | EVPLGVAA DANK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 51572 | QLVLGENL DTERILAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 51572 | QLVLGENL DTERILAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 121812 | RRATQLAH | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67160 | TVSPISSIFSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 9585 | DPAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 135488 | PIFPGG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.039 | t | 115197 | CVKKILDKVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156859 | DPHVFKS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.049 | -0.043 | -0.043 | t | 105700 | CPSTYEEP AQQGRRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.007 | -0.01 | t | 78643 | EQGMQLA EQFKQKAL GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.008 | -0.01 | -0.01 | t | 146020 | TCPDIIIPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.039 | -0.037 | -0.04 | t | 78218 | NKQWFT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95824 | SDVAGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.01 | t | 19901 | GGKMOVQ VVYD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.019 | -0.02 | t | 6309 | CGLFGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.062 | 0.062 | t | 27557 | IMSGEVPS TEDLVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.017 | -0.02 | t | 67052 | TVKQHTVT T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.02 | 0.01 | 0.009 | 0.01 | t | 42694 | MSTNPKP QRKTK | Pan troglodytes |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.037 | t | 131929 | KGGGVWE SGAANSQ S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.045 | 0.043 | 0.048 | t | 132269 | EPVDGVVL VDPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.008 | 0 | -0.001 | t | 125211 | QHWSYGL RPG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.041 | 0.05 | 0.051 | t | 20046 | GGTEESVV TASRS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.003 | 0 | t | 45584 | NQLSCDLI GQKLGLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.003 | 0 | t | 45584 | NQLSCDLI GQKLGLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.003 | 0 | t | 45584 | NQLSCDLI GQKLGLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.025 | -0.02 | -0.02 | t | 14447 | ETKRKDGD | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 14447 | ETKRKDGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 79280 | LAPISGTV QSAHLIRF D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106256 | ANYGYTFG SGTRLTVV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 136011 | VPALTAVE TGHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.021 | -0.011 | -0.01 | t | 99018 | SYSITTPSQ FV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.032 | -0.04 | -0.04 | -0.042 | t | 156943 | QFTPDKH MLMLP | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 7841 | DDPF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110085 | VYTLPPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.011 | 0.009 | t | 3487 | APARGEP APG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 21951 | GQRVEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 78696 | KEEGEDDT ARQEIRKA WVK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.032 | -0.033 | -0.03 | t | 55822 | RSEFPIW MMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 135982 | RDRSGLAP KRPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 62328 | SVSLPYAN LATH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.026 | 0.03 | 0.03 | t | 49883 | PVIGSQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.026 | 0.03 | 0.03 | t | 49883 | PVIGSQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 105076 | AFNHFGG GLMQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.031 | -0.019 | -0.02 | t | 65881 | TQIQVRNI MSPVMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 99052 | VTQTMKG LDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78503 | RFPYWFVL PPIATVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0 | 0.01 | 0.009 | t | 111304 | GAVGENV PDDLVIK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.033 | -0.041 | t | 112405 | YCARMRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.026 | 0.032 | t | 24445 | HPEYAVSVLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.036 | -0.033 | -0.04 | t | 144644 | FRQQHGTKTVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.02 | -0.01 | -0.01 | t | 140939 | YNIALGQRADA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.012 | t | 95752 | RAGFITELSEFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.03 | t | 107031 | YTQKHKHQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.016 | 0.01 | t | 55670 | RRPFFHPVGEADYFEYHQEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 140567 | KEAWLDS TKAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 138304 | ATVQLPQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 138608 | RVGAHDP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 132843 | ITPWPHWLERSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 133372 | SPSPTPTPGPSRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110390 | QWGRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110332 | LYRWR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106374 | EDHAGTYGLGDRK | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 110213 | EGHLIDLK RV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 68322 | VEQKHIQK EDVPSERY LGYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 68473 | VFGKEKVN ELSKDIGSE STE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 68401 | VEVPGSQ HIDSQKKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 38207 | LNENLLRF FVAPFPEV FGKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 24814 | HSMKEGI HAQQKEP MIGVNVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 23876 | HFVQQTP KSQPTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11035 | EAESISSE EIVPNSVE QKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.003 | t | 28911 | ITGHRMA WMMMM NWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 655 | ADEEQQQ ALSSQMG F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 8756 | DIPNPIGSE NSEKTTM PLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66060 | TRLNPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 159050 | PKRLTATT EKLEIGWK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 15205 | FAKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.011 | -0.018 | t | 96808 | QVKSGTIF DN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.015 | 0.019 | 0.02 | t | 78876 | VLLGRKW EDEVDDE SYF | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.019 | 0.02 | t | 78876 | VLLGRKW EDEVDPE SYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140916 | VSYGEEKP AVLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.009 | 0.01 | t | 9673 | DPLLRTAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.04 | 0.04 | t | 116709 | EVHHQKL VFFAEDVG SNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.03 | -0.03 | -0.032 | t | 156936 | PMPRFF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.02 | t | 157219 | EQRCCNEL NR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 138892 | REQAPNL VY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149434 | QPQPFLP QQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149434 | QPQPFLP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.008 | t | 104161 | NVVLKTIT ESATSPPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112090 | EDLAVYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 130585 | QKKIRGILE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.009 | 0.008 | t | 28290 | IRFKDDSSY EEVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133539 | CYKPGEW AC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 56686 | RYYRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.007 | 0.009 | t | 63164 | TDGVITYTN DCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.008 | t | 107368 | FSSAP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 130605 | SCRLFCKT YLCH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.051 | -0.049 | -0.051 | t | 120408 | APYNVRRRL PPPVVEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134411 | IPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.024 | -0.026 | t | 74129 | YHPDVPYV KR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 2621 | ALIDQKVK EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 72911 | WNSTTFH QTLQDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 72911 | WNSTTFH QTLQDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.023 | 0.02 | 0.02 | t | 127964 | EQLIEKLIE DDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.008 | t | 107479 | KFNWYVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.011 | t | 110869 | GQAEPDR AHYNIVTF CCKCD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.049 | -0.043 | -0.049 | t | 121527 | LCNEKLLK KARIHPFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | -0.003 | t | 106568 | KLPPIDVN MDCK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.016 | 0.011 | 0.009 | t | 8857 | DKEILYEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 9609 | DPDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 40076 | LTPCD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 2237 | AKLQDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 122150 | MSKTLHA QLGFKKT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.053 | 0.05 | 0.049 | t | 78938 | CAPGQNL CY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135587 | QESYSSKK L | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.003 | 0 | t | 55760 | RRVGLSNP | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 138456 | KEQFEFAL TAVAEV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 144623 | EEAEGTTD AQIDANRK RESE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 137211 | KARIHPFH VLIALETYR AGH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 157811 | QRQCQQR CER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 137734 | DTALTCAA LKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 140546 | CNLWEVM HGTC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 137290 | SEIEKLKNK YEVAGIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 141267 | FEGWFN | Capra hircus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 134492 | QIQRRPS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 145376 | NCWKPVQ LHC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 137743 | DTPLTIAGL KLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 135569 | KTNMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 150883 | SDDEDLAT S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 140606 | TMWDALE AP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 145375 | NCSWCHV LQRCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 141296 | GPQQLE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 151023 | LCKLRGVA PLHLGKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 137395 | EESEDEKR RWGQRD N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 141534 | DRMNLQT LRGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 142480 | VAAVTEKL RAGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 142441 | LFSPWLRV QNH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 138862 | KFPED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 135492 | RAEIM | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|--------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131420 | FDGYWGY S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130063 | TEVPFRL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125230 | RERRGIAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 133556 | EGPEYWD RNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 133135 | HGTQCLA MGWGRV GAH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 132014 | PQIVPEPM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131876 | FAKANKQ VCTDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 132737 | WIRSTLRR VEAKGRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 126068 | FVFEEF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117921 | IGIIDLIEKR KFNQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 124008 | DGVVLVD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 120436 | DGTKVSIS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131836 | CAPGSCFP GV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131381 | CTYVLDP E NL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131967 | LRLDCRHE N | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 132194 | CATRLFPD FFTRVAL | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 118105 | RKGHFLLS SKSGFWTI WL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 124008 | DGVVLVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 129661 | PVDGVVL VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 121187 | DDALETDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130019 | STIIKEGI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 133926 | RSSYWVYS PWRFISR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 118763 | CYGSFARP MN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117940 | KARIHPFHI LIALETYKT GH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122269 | ARQNLKD AGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125453 | KDRLQGM APAAGAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 119331 | RTVLVSM NYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117399 | VMIKSLPA LNSPTVEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 119025 | SWTDTDG TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 129301 | LQELEKDE REQ | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122430 | KGLRRDL ASREAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 119658 | TYGIVLLSG V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125127 | LDPENLTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117495 | ERDRKREK RKPKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 118867 | KLSQTSNV DKEEEAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 120869 | PGYRSISG PDPRIRKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122269 | ARQNLKD AGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 129973 | SPRSFQKK T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117949 | KGHFLLSS KSGFWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122741 | DWRDAEK CDIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 120319 | WTPPAIFK SYCEIIVTH FPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 119499 | MTFSVPIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 132982 | AHCLRDIP QRLVNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130916 | KEDFDIYD EDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 133551 | EAPPPTLP PDMAQVT VGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 129732 | RERRGIAL DGKI | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131874 | EVFISAPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 119573 | EWEDTYGIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122932 | VCTPKSDEFNFCEDIMGYK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 133668 | QEGPEYWDNRNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130518 | ITQSTQSFNDFTRVV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 120082 | LPTDSGEK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 122569 | SFQDENFVFEEF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 118829 | GVLAGQASQLNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130591 | RCTVYGKTVLCT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 125385 | DSMDRIEKDRLQGMAPAAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131217 | EDISAYLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 121064 | WKHWVYYTCCPDTPYLDITY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 120677 | KHPEVKSAIEGIKYI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 130741 | ATGFVKKDAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117383 | TLHKAFKGSIFVVFDSIESA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 98822 | IEAGAIGFKIHEDWG | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|---------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 104850 | KEGILQYC QEVYPELQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 99922 | DAEFRHDS GY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106196 | YGLPREQA RQLKNNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 105702 | CVYDQYG TEFEDYSY ES | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106057 | REFSPRGQ HGRRERA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 103998 | IVKWDRD M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 103309 | KKNGRILT LPRSNPS | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 115271 | GQKGRGS RG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 102423 | FEYQD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 103993 | IPPSLRITLE DNEERMS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106076 | RILSPDRKR RQQYER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 117195 | DT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 99922 | DAEFRHDS GY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 103551 | RILTLPRSN PS | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106495 | GYESVHHQ KLVF | Gallus gallus |

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|---|------|---|---|---|-------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106122 | SRRSLPYS PYSPQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 108078 | PTSPSGVE EWIVTQV VPGVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 103830 | CHAVKVG NPSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 103309 | KKNGRILT LPRSNPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106779 | RKPLSPG MTGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.003 | t | 116971 | FAVLKLM GRGTKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106398 | EQLAEVAV SAKR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106621 | LRKRL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 105570 | VGGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 108622 | SHQESTRG RSRGRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 107482 | KGEPGLPG RGFPGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 107013 | YGASSRAT GIPDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 100992 | KSLSRHDH IH HH | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 105685 | ASFKNIG RNRSPDI | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 101412 | WIRNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 102861 | TQSDIDFLI EEIERLGQ DL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 70656 | VQTRHVV QHRSRSES SIESF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 64455 | TISANGDK DIG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 74436 | YKDGTLP LSTKDLTTY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 67967 | VDGSDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 79858 | IEELQSNH GV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 79042 | PKSKPFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 78373 | EMDDDET EYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 96367 | HSNLDHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 64086 | THTPLPRG IGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 78077 | YPYSMWK NLWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 61549 | STDEPAGE SA | Oryctola gus cuniculu s |

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|---|------|---|---|---|-------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 95524 | KRQIYTDIE MNRLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 60526 | SQPNT EQS PAIVLPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 66976 | TVDNPAST TNKDKLFA VWK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 61549 | STDEPAGE SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.003 | t | 66976 | TVDNPAST TNKDKLFA VWK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 92586 | ENPSQFYE RL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 70387 | VPNLRGDL QV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 65996 | TRAPRREE LEWDD E H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 80102 | YDDAASES SDDDDIDA LI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 76290 | YVHDNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 97348 | GLFGA IAG FIEGGW | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 71798 | VVQAMYV PPGAPNP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 63758 | TFTNPVVS TTQWSAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 96457 | KGTVNLT WSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 70387 | VPNLRGDL QV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 80063 | VDEDEDSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 78940 | CRRHNYG FWVC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 65050 | TLRVYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 63037 | TAVSPTTL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 94979 | YNKRFPGF VSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.003 | t | 74436 | YKDGTLTP LSTKDLTTY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 97256 | EGAKGEN KRPNDKA GEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 76523 | YYIPLEAVK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 79926 | MASMTG GQQMG | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 63037 | TAVSPTTL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 79584 | KGDKAQIE KRIQEIIIEQ LDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 74614 | YLEAFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 94501 | EKQISDAS RQGLRRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 70656 | VQTRHVV QHRSRSES SIESF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 78939 | CINHGRY WVC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 65360 | TNLEDPAS RDLVVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 64454 | TISADSKKT KDLVFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 63391 | TEHRDYHP QQRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 94564 | KIAKEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.003 | t | 97231 | CNTKCQTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 72249 | WAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 74436 | YKDGTLP LSTKDLTTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 61686 | STKAAKKP EAKREAI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 79153 | ALQREAAE RSEDEIK | Oryctola gus cuniculu s |

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|---|------|---|---|---|-------|---|---|--------|---|-------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 37172 | LLDPSFDY FQLYTTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 44474 | NKDKLFAV WK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 39164 | LRPGPVSQ PYHHWDT DK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48595 | PNAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48933 | PPTAPPLL PHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48996 | PQFKPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 39169 | LRPTFDTR LMRLEDE MKEGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 47859 | PHWA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 38214 | LNFGQTG DADSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 45033 | NMTVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 44498 | NKGVNPD E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.003 | t | 44474 | NKDKLFAV WK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50609 | QEGVQQE GA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50901 | QGLRGEE MEEMV | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 56373 | RVNQVAE VLQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 44559 | NKNLQEEI SDLTEQLG SS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.003 | t | 44221 | NIETVIEFQ QKNNRLL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 39070 | LREGVTLG VGASFDT QKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 51252 | QKSKQNIG ALKQEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 56807 | SAHGTSTG VRGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 51853 | QPHGGG W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 51854 | QPHGGSW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43512 | NDPPPPN PNDPAPP QG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 45627 | NQSLDLAE QELVDCAS QHGC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 38304 | LNPKTNK WEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 58511 | SIFYTYGTA PARISVPY VGI | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 53355 | RDGQLTIK AERTEQKD FDGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43481 | NDLALPW KHEGAQN WNNAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 55115 | RPAPPKPT PQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 41169 | MAVPAFS DIAKSAND LLNKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 57726 | SFANTNTN TNSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 45932 | NSNNPDW DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 60013 | SPDDPAFR FAPYFTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50180 | PYVEPTAP QVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 44035 | NGNATPQ LTKNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 42717 | MSWQAY V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 44474 | NKDKLFAV WK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 43551 | NEAALKEL GEVAVHK DS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 55671 | RRPFNIGI NNQQ | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 57618 | SERVQLLH SQNTSLIN QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 46777 | PAEGEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 42400 | MQQLEND LDQVQESL LK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 50180 | PYVEPTAP QVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 56102 | RTLDQQYK EVKRETDL SHVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 47650 | PGFMFSR PSDPAFAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 47651 | PGFMGRS RPSDPAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 41870 | MKNYLSF GMFALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 48906 | PPRRVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 10336 | DTFNPVYP YDTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 24168 | HKYSWK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 17350 | FPFPRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 17360 | FPQFKPEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 25647 | IDPSFYWA PCRFSHC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 35852 | LFIG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 28277 | IRECTGLA WEWWRT V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11570 | EEEDDD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 16496 | FLAEEADR K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 22357 | GSGVRGD FG | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 36045 | LGAARGYT FGAC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 36353 | LGWLWG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 26330 | IGTRYLTR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 36045 | LGAARGYT FGAC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 27965 | IPNPLLGL D | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11532 | EECQLPSL KIFIAGNSA Y | Mus musculus |

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|---|------|---|---|---|-------|---|---|--------|---|-------|--------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.003 | t | 21816 | GPVEESVE RAMVRVA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 10614 | DVIAILPVD ELKALFQEKLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11081 | EAIPALTA VETGHTSQV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 20129 | GHETQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 16101 | FHENWPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 31105 | KHFRETEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 32808 | KPNLSSKR SELSQLSMYRVF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11216 | EAVRRHARAYNATVI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 11815 | EENVEENV EENVEENV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 17262 | FPCDRLSG YWERGIPSPCVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 30302 | KEALISLT RGKLYTQQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 35787 | LFAAFPSF AGLRPTFDTRLM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 34502 | KYLGFBVQDA AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 33234 | KRVLEPLGL | Mus musculus |

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|---|------|---|---|---|-------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 12307 | EGVQQEG AQQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 23125 | GVRLLSGV FSDPAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 18036 | FTPFYYQS SRTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 19728 | GGFSSDPG FLLRPRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 19729 | GGFSSDPG FLLRPRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 21856 | GQDLTAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 33222 | KRTISIWG T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 14809 | EVLYLKPLA GVYRSLKK QLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 19737 | GGGAGAG GAGAGGG GR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 22357 | GSGVRGD FG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 31916 | KLILAYTPP GARGPQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 10040 | DRRCQSQ LER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9589 | DPAFSLNS RAFPAPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.003 | t | 6832 | CPRPPRAV AYYGPGV DYK | Rattus norvegic us |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 3886 | APVDSVFD RAFSAYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 279 | AALGDSLY GAASLNDF GILA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6832 | CPRPPRAV AAYGPGV DYK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 3698 | APPQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6763 | CPFLKQNE PEDIDCW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 3693 | APPPPEHR GGPEEFEG AGDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6832 | CPRPPRAV AAYGPGV DYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9588 | DPAFSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 915 | AEGDDPA KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6093 | CDCDRTA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6226 | CFGNSEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 10227 | DSSAHGTP STPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 8132 | DEQFIPK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.003 | t | 4225 | ARQPYGFF LETEEVYQ PG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9611 | DPDKDVDI MV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7313 | CVTIMTVD NPASTTNK DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7313 | CVTIMTVD NPASTTNK DK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 8273 | DFGSLAPR VA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6632 | CLTFGRET VIEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 6249 | CFPYCYP ESA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9520 | DNNQTSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 1367 | AFNQFGP NAGQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9586 | DPAFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 8271 | DFGPLFSD PGFRSAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 3542 | APETEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 5865 | AYLSPIDL QLAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 9591 | DPAKAAF D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 7673 | DAVTE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 4907 | ATCDKLFG YYERGIPLP CAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 5206 | ATVSSQSF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | -0.001 | t | 149681 | ELAEAKVL ANRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.002 | 0.013 | 0.01 | t | 70437 | VPPTQSKK KNKNET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | -0.002 | t | 13233 | ELQGDRR CQSQLERA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 57556 | SEMPQLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.008 | t | 100074 | GNINYACG QGID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.019 | t | 51428 | QLLRIPQAI MDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 78748 | MISGPCPK DGQPSLVL QSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | 0.003 | 0.002 | t | 111801 | SSILEDWN FGVPPPT TSLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.043 | -0.04 | -0.038 | t | 124708 | SFERFEIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.003 | -0.009 | t | 134804 | TIFILCCSK EKRRKKQA AT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.016 | -0.036 | -0.027 | -0.03 | t | 58087 | SGIKDFLP VLQQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.033 | 0.032 | t | 98786 | GASEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.022 | 0.022 | t | 70273 | VPDREVLV REFDEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.017 | 0.02 | t | 52420 | QSRGEAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | 0.003 | -0.001 | t | 24508 | HPSVRYVC LPPERD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.031 | t | 22753 | GTLTWSG K | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.015 | 0.019 | 0.018 | t | 22395 | GSKPPSGS PETGAG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 100125 | HVGLGTAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.039 | -0.046 | t | 62334 | SVSRARTR HLLLCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.013 | -0.01 | t | 116040 | YQQKPVALIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.018 | 0.001 | 0.002 | t | 58196 | SGPSGTPTS GTSGPSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140894 | QRRADAV KGYLA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.026 | -0.03 | t | 135997 | SLEKKMSN YIQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.006 | 0 | t | 45053 | NNCTRVEI AEYRLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0 | 0 | t | 107266 | VNMVEKG IIDPTKVV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.03 | 0.03 | t | 3650 | APLTAVAP AHDTPPV PDV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.008 | t | 49967 | PVSLGGDV PNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.008 | t | 49967 | PVSLGGDV PNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.037 | 0.034 | t | 141604 | APPDDGP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.012 | -0.01 | -0.01 | t | 56107 | RTLKIPAM TI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.051 | 0.04 | 0.04 | t | 55508 | RQWFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 73636 | YEDRYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.022 | t | 122734 | DSVPKWD RLPC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.003 | 0 | t | 76352 | YVLMVPK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.012 | 0.003 | 0 | t | 97605 | RIVRGPAN LRNLKEFK E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.017 | -0.018 | t | 29802 | KAFRELAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.01 | t | 73785 | YEVARNVSG IYHVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.01 | t | 135507 | VVGAGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.002 | -0.002 | t | 130990 | NVLRGMG GAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.013 | 0.011 | t | 158947 | LDIDIDPKV KVATLS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.002 | t | 150855 | HPGGSQPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.003 | 0 | t | 119641 | SEHETRLVAKLFKDYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.008 | t | 31555 | KKGSSGYS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.013 | 0.009 | t | 30036 | KAYSNCYPYDVPDY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.022 | t | 79524 | CHTTATIPSSAVTC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.013 | t | 128955 | ILFSVFD | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117315 | KALSVETEKLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 109850 | RQHARQQDKERLAALGPEGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.017 | -0.01 | -0.011 | t | 72889 | WNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.042 | 0.043 | 0.041 | t | 99422 | LKGESGY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.06 | 0.06 | t | 133707 | STRKEEKQRNGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.038 | 0.04 | 0.038 | t | 35662 | LEQPVSNDLS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.002 | 0.013 | 0.012 | t | 157357 | GVAPPGWYDPPVQ | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 41143 | MATAGVA AVVKRKEEN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 41143 | MATAGVA AVVKRKEE N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 41143 | MATAGVA AVVKRKEE N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.015 | 0.021 | 0.022 | t | 47101 | PDGSKVFA GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.006 | 0.017 | 0.02 | t | 14227 | ESPANNP GLSTVRDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.022 | 0.023 | 0.021 | t | 99760 | VKDGVIYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.017 | -0.019 | t | 99126 | CLAPDRRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.009 | t | 48382 | PLKPTKRS FIEDLLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 11814 | EENVEENV EENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.003 | -0.011 | t | 113659 | NIKNREG YEMVFDG KP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55698 | RRQPIPKA RRPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.046 | -0.043 | -0.041 | t | 27553 | IMSALAM VYLGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.009 | -0.01 | -0.01 | t | 76606 | YYSPAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.01 | t | 76606 | YYSPAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.048 | -0.041 | -0.04 | t | 27416 | ILYAVFK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.048 | -0.041 | -0.04 | t | 27416 | ILYAVFK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 63882 | TGLIHLHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.059 | 0.053 | 0.059 | t | 118991 | RAEDNADTLALVFEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 75949 | YTASARGDLAHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.024 | -0.02 | -0.02 | t | 139198 | QARNRPTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.014 | -0.01 | t | 110971 | PVSDLNLKIDGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.029 | 0.029 | 0.028 | t | 133611 | IVSYLCDLAPEAPPPTLPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.01 | t | 10821 | DWPERIRDFM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 138088 | WLDLSKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.011 | t | 150371 | LLELDKWA SLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.015 | 0.03 | 0.036 | t | 40029 | LTLSIDLPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.009 | -0.011 | t | 26338 | IGVIIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.009 | 0.01 | t | 26306 | IGQLVIEHY ADT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.042 | 0.037 | 0.03 | 0.029 | t | 4702 | ASQKIQLV | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.023 | 0.016 | t | 46000 | NSTGADA ADSGGRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 67933 | VDENANAN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.021 | t | 70010 | VMPVGG QSSFYS DWY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.008 | t | 71139 | VSSQSFRRLG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.031 | t | 19375 | GENK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.014 | 0 | 0.002 | t | 99964 | DVGMHVK EKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 12539 | EIPALTAVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | -0.001 | -0.001 | t | 138082 | VVGCGSSHETH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 31322 | KILIGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.011 | 0.009 | t | 103550 | RIFYKDAF AKHQELF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103420 | MSFVTIQPVVLAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.001 | 0 | t | 70101 | VNIKPLEDKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107745 | ARGAQGP PGATGFP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 51296 | QLCQLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.017 | t | 118478 | KVISELNG KNIEDVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.009 | t | 120060 | LGSSESRR ALQDSQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.01 | 0 | -0.001 | t | 139404 | YIDINKTIA DMLEQYN PNYT | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.012 | t | 74940 | YLTHMRD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.009 | t | 79166 | CEGNLACLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.026 | -0.021 | -0.02 | t | 51799 | QPDLIPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.026 | -0.021 | -0.02 | t | 51799 | QPDLIPL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.02 | -0.02 | t | 110424 | SGTGGRT GYIPLGTR PPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.013 | -0.01 | t | 84698 | KSDYLGVN KIAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.022 | t | 145 | AAGANPL GLKRGIEK AV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.021 | t | 95047 | VEVPGSQ HIDSQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.021 | t | 95047 | VEVPGSQ HIDSQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.021 | t | 95047 | VEVPGSQ HIDSQ | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.001 | t | 136080 | RAGTDEGF G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.013 | -0.02 | t | 138171 | FRVVSVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.003 | 0.011 | 0.01 | t | 138094 | YGYATLSY ADYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.03 | t | 102722 | PNKPVEPT YEVIPTPT DPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.03 | t | 71877 | VVVLGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.035 | 0.04 | 0.04 | t | 15176 | FAGDSDSS SSADDAA GKATV | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 117509 | GQIPPGA M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.04 | t | 138152 | CSVMHEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | 0 | 0 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 111762 | SCFFGRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.016 | 0.013 | t | 141638 | EIHSKTKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.007 | 0 | t | 123760 | SSYAKVSIC LPMDTETP LAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.018 | -0.02 | t | 6233 | CFKKPPKY PPALPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.031 | 0.037 | 0.042 | t | 64998 | TLPDTEKQ I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.077 | -0.08 | -0.08 | -0.082 | t | 143687 | FRVNLRTL RRYY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.019 | -0.02 | t | 51849 | QPGYPWPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0.001 | 0 | t | 54603 | RLIVFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0.002 | t | 96211 | EDKKRKEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.019 | t | 130933 | KVFQGNQDSFTPVVNSLDPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.013 | 0.012 | t | 106265 | ARGLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 52094 | QQPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.039 | -0.027 | -0.03 | t | 110602 | GLKAKPKFTLGKRKATPTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.033 | 0.03 | t | 78478 | PDSDPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.013 | -0.011 | t | 44227 | NIFSGFTPEFLEQAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.048 | t | 22755 | GTLVKTITDDQIEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.048 | t | 22755 | GTLVKTITDDQIEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.01 | t | 120624 | IKSGVATKGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.041 | -0.04 | -0.038 | t | 105954 | MAKFTQFA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 47072 | PDDHLKERSS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.008 | 0 | 0 | t | 47078 | PDDVNKN TLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 11353 | EDINGIRR PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 8918 | DKLADYKR RM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.042 | -0.049 | -0.054 | t | 149384 | MSLPGRW KPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.025 | -0.03 | -0.03 | t | 54748 | RLRVKN | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 140548 | CSLSDAFN GSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 115610 | GSLPQKA QGHRPQD EN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.001 | -0.022 | -0.01 | -0.01 | t | 115610 | GSLPQKA QGHRPQD EN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 115610 | GSLPQKA QGHRPQD EN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.019 | -0.022 | -0.01 | -0.01 | t | 115610 | GSLPQKA QGHRPQD EN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.022 | -0.01 | -0.01 | t | 115610 | GSLPQKA QGHRPQD EN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 115610 | GSLPQKA QGHRPQD EN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.02 | t | 139801 | LGSYSFI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.029 | 0.02 | 0.02 | t | 139801 | LGSYSFI | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.03 | t | 84698 | KSDYLGVN KIAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.021 | 0.02 | t | 144791 | STIDYFQP NNKR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | 0.003 | -0.003 | t | 94837 | GTCKELKK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.027 | 0.03 | t | 122167 | PPFITQGE CKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | -0.001 | t | 135842 | NTYGDFM VKSPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | -0.001 | t | 135842 | NTYGDFM VKSPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 107856 | GGQGSRH QQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.009 | -0.019 | -0.024 | t | 35352 | LEAFWHK HM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.027 | 0.02 | 0.018 | t | 136302 | GALIYTPEK YTI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.026 | -0.017 | -0.02 | t | 7558 | DAKDGKEI DTKHLPS T C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.084 | -0.072 | -0.077 | -0.082 | t | 58956 | SKVALAAL PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105246 | ILDVTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 107875 | GTYKAGN QHNHVKY G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.029 | -0.03 | t | 142055 | VKDTPRLI KLIKNS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.017 | 0.017 | t | 59576 | SLVYFPFG PIPNSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 33794 | KTNMKH M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.008 | 0.01 | 0.007 | t | 62953 | TAPPLLPH SNLDHILE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 99578 | QNANEE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.029 | 0.03 | 0.03 | t | 432 | AASGDPTS PDNIDS | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.043 | t | 121643 | NEMHLLIQ QAREMPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.055 | 0.06 | 0.058 | t | 105963 | MDPGLKE SPLQTPAD DGSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 41310 | MEDKAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.011 | t | 18031 | FTDPYQV PF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 100287 | LSEKGLTTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.018 | t | 129911 | SHYKVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.044 | -0.037 | -0.04 | t | 77800 | RGCTFYGC WK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.013 | -0.01 | t | 125791 | CSFWSKYI QTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.004 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.004 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.017 | 0.02 | 0.02 | t | 100387 | PLKTDAND QIGDSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62720 | SYTESMA GKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.046 | 0.054 | 0.05 | t | 46417 | NVLDVNAI DIEEPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | 0.003 | 0 | t | 29965 | KATYEA AV AANNAKN AALT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.029 | 0.03 | t | 80395 | ALYASVAV QQQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.012 | t | 131656 | SGKLEEFV Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50067 | PYCWHYA P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.03 | -0.017 | -0.01 | t | 127944 | DLVNCNL NTNCVAV AFSLPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.01 | t | 125401 | ELLTEHRM TWDPAQP PRDLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.01 | t | 125401 | ELLTEHRM TWDPAQP PRDLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.021 | -0.01 | -0.01 | t | 29897 | KANADAK AAYEAAV AANNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.007 | t | 107375 | GDDNLAP NTANVQ MT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 42248 | MNWSPTT CL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.003 | 0.014 | 0.02 | t | 39597 | LSQDEIDR MVNDAEK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | 0.011 | 0.003 | t | 118599 | SAPAPKKG SKKAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47013 | PAYYTKDT NNNLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.01 | -0.01 | -0.01 | t | 134510 | RIIWRSTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 57631 | SESTEDQA MEDIKQM EAESI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.027 | -0.032 | t | 156850 | APHNKWP HLNPP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 32807 | KPNLSSKR SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 48782 | PPFTSAVG GVDHRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 135986 | RSGPSNSA SVPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 156939 | PPEKSHL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 136595 | RHYQQYF QHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 124015 | DKTEDVDI EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 110613 | GPPGPQG ATGPLGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0.001 | t | 138812 | SSVLYGGP PSAA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | -0.002 | -0.001 | t | 110828 | EIDGPAGQ AEPDRAH YNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.027 | -0.033 | t | 111590 | NLIRHVGG GTPRRPG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0.001 | t | 117211 | GYYSWI RQPPGKG EEWIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0.001 | t | 18441 | FYNQKFKG KATL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.016 | -0.01 | -0.01 | t | 31491 | KKAIER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.017 | 0.02 | t | 8478 | DGRGAQV YINGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 19005 | GDINKVLE KLGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 19005 | GDINKVLE KLGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.018 | t | 123856 | YCDYCDTY LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.049 | t | 118361 | FRFLALKLY FSFTRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.029 | t | 131114 | TQLDELLT EHRMTW DPAQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.061 | 0.053 | 0.06 | t | 134786 | RPVDQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.015 | 0.017 | 0.017 | t | 115228 | ELKDLKGY GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.017 | 0.019 | t | 73311 | YAAANPT GPASVQG MSQDPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.008 | 0.01 | t | 6059 | CCDLAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | -0.003 | 0 | t | 159063 | RKAADTFN FKTFFHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.012 | t | 146963 | GGEDVAV FARGPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.02 | t | 20084 | GGVYLLPR RGPRLG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.011 | 0.01 | t | 75560 | YQTEKFVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.018 | -0.011 | -0.012 | t | 2040 | AINRRVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | -0.001 | t | 35397 | LEDPASRD LV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.013 | 0.012 | t | 100477 | RNKTQEE HLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.046 | 0.04 | 0.039 | t | 12981 | ELDGDQM I | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | 0 | 0.001 | 0 | t | 24693 | HRMAWD MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.053 | 0.053 | t | 106771 | RERMS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 23128 | GVRVCE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.083 | 0.08 | 0.08 | 0.078 | t | 113679 | PEVPEVED E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | 0 | 0.001 | 0 | t | 24694 | HRMAWD MMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.026 | 0.02 | t | 76350 | YVLLSEKKI S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 48005 | PIVATNW QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 75391 | YPQPQFP SQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0.003 | -0.004 | t | 115628 | LPCRISPGK NAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0 | 0.002 | t | 8920 | DKLAKEQK SKQNIGAL KQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0 | 0.002 | t | 8920 | DKLAKEQK SKQNIGAL KQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.042 | -0.036 | -0.04 | t | 107305 | CKVSNKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.037 | 0.037 | t | 106569 | KLSEEVKT TEQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.002 | 0.01 | 0.011 | t | 36543 | LIGVKGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.03 | 0.032 | t | 122786 | HESNEMQ PT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.062 | 0.06 | 0.059 | t | 114193 | AEYYNKQY LEQTRAEL DT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.062 | 0.071 | 0.07 | t | 66906 | TTVSTEQN VPDPQVGI TTMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.021 | -0.02 | t | 56699 | SAAFYYRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.013 | -0.02 | t | 108895 | EGNVFSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 67986 | VDINPEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 53596 | RENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 13532 | ENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 29875 | KALRENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 13058 | ELFSEIQEI R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 29875 | KALRENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 29875 | KALRENP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.023 | t | 125238 | RLPLPPNQ KR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.006 | 0.02 | 0.022 | t | 45931 | NSNNKEYT | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 62858 | TAGLVGLL TPG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.01 | t | 56273 | RVEFLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.001 | 0 | t | 11353 | EDINGIRR PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.017 | 0.01 | t | 127938 | AWAKRAR GNVFMYP APENYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 135933 | GVELRQLT PEQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 131437 | GASVKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.013 | t | 78145 | EKPAEEEE P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.018 | t | 55861 | RSILDLDLT K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | t | 99596 | RADEEEEE DEDEYEEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | -0.001 | 0 | t | 133724 | TVCAGYC MTRDVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.003 | -0.01 | t | 132268 | ENGYLME AAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 36278 | LGQGSFRP SQQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.006 | 0.007 | 0.01 | t | 10876 | DYEKQINK LKN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.051 | 0.063 | 0.06 | t | 68883 | VHRLEGVS YNIGSQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.001 | t | 44920 | NLVPMVA TV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.002 | 0.01 | 0.009 | t | 62872 | TAGWTFG AGAALQIP FA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.016 | 0.012 | t | 53281 | RCIPALDSL T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.019 | -0.021 | t | 43825 | NFELCDNP FFAVSKPM G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.059 | -0.06 | -0.062 | t | 49 | AAALPGKC GV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.011 | 0.017 | 0.018 | t | 113756 | QGQQSGQ GQQGYYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.062 | -0.053 | -0.052 | t | 104993 | SWRSKYG WTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.002 | 0 | -0.001 | t | 120314 | WKAEFHR WSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 51572 | QLVLGENL DTERILAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | -0.002 | t | 122341 | ESGFLREV LNAVPLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 32807 | KPNLSSKR SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.014 | 0 | 0 | t | 39788 | LTAELKIYS VIQAEINK HL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.017 | t | 103544 | RGEHRDE HTQDAGD K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 106850 | SLQQLYDE YGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.057 | 0.05 | 0.05 | t | 130850 | GGIYQDLV S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.024 | 0.017 | 0.018 | t | 6068 | CCPDKNKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.001 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.003 | -0.001 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.016 | 0.023 | 0.02 | t | 73191 | WVFACAP DRCPTC | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 146337 | IPEEIKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 146337 | IPEEIKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 115376 | LTKCEVFR EL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.003 | -0.008 | -0.012 | t | 130513 | IGYQPSMP LDMP | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.008 | t | 7489 | DADYHRV MYA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.038 | 0.041 | 0.04 | t | 142125 | DLASREA KKQLEAEQ QKLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 14436 | ETKAVYPY | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14436 | ETKAVYPY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14436 | ETKAVYPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.045 | 0.045 | 0.04 | 0.04 | t | 31056 | KGSDVESY SSMPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 41015 | MADNGTI TVEELKQL L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.029 | -0.034 | t | 149384 | MSLPGRW KPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.009 | t | 106330 | DFDCSKIQ ST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.03 | t | 134782 | RGRGRGG PRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.013 | 0.02 | 0.02 | t | 138937 | YIGEVLSV V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 18494 | GAAAAGA VVGGLG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | -0.002 | t | 61186 | SSLRDHIN VIVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.013 | -0.019 | t | 118200 | VGRATPPP GIMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.02 | 0.024 | t | 76268 | YVFDKSEL TN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9896 | DQRPYCW HYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 34310 | KWKYENP CKKM | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.03 | -0.027 | -0.03 | t | 78244 | PMWPM | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.021 | t | 28371 | IRQGTDYK HWPQIAQ FA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.052 | 0.06 | 0.06 | t | 106606 | LHFVKGEE KEPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.02 | 0.027 | 0.03 | t | 31406 | KIQRDEDS YGRDPYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 34963 | LASLCNPK PSDAPVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 34963 | LASLCNPK PSDAPVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.026 | 0.028 | t | 50504 | QDPDRRD PYSPSPYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 134421 | KQIPECEN VKTTQCVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 134421 | KQIPECEN VKTTQCVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 49707 | PTLSEIKGV IVHRLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.01 | 0.01 | 0.008 | t | 156896 | KHTSLAS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.001 | 0 | t | 10824 | DWSERIRE FM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.017 | -0.007 | -0.01 | t | 33747 | KTKRNTNR RPQDVKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.013 | -0.02 | t | 144644 | FRQQHKGK TVV | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.024 | 0.01 | 0.01 | 0.009 | t | 134128 | LASAHRPQ GPAD | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.008 | t | 55936 | RSQSRESQ CKLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.007 | 0.008 | t | 79624 | PEEQVPQL IPPPIIPRA G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135970 | PPGMRPP MGPMGIP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.027 | -0.03 | t | 136415 | KFAGRNF R NPLAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|-------|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 95040 | SHRPREAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 95032 | PAGTGDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 71328 | VTGKVEYT KYND | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 36958 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 54058 | RHKQKIVA PVKQTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 34537 | KYNDDDT FTVKVGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 20710 | GKVEYTKY NDDDTFT VKVGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.027 | 0.031 | t | 50901 | QGLRGEE MEEMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78455 | LPTNLTQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.041 | -0.041 | -0.042 | t | 56075 | RTHRQLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 64534 | TKDASIDYHE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115671 | AAMEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115671 | AAMEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.03 | t | 137882 | GQNVLSAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 156923 | NLHTSF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.023 | -0.022 | t | 106408 | EVPPKKCDIKTTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.03 | t | 119580 | FMESGEWVIKESRGWVKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 4429 | ASGQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.066 | 0.07 | 0.07 | t | 157173 | DSDDTEEGEDEG | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.021 | t | 61308 | SSQSFRRL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.04 | -0.027 | -0.028 | t | 52186 | QRANLGA FQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.02 | t | 98677 | AASDISLLDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.013 | -0.012 | t | 106411 | FALEAYAFDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.017 | 0.01 | t | 123701 | RGVGGPSQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.008 | 0.021 | 0.022 | t | 7765 | DDEHVEEP TVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.021 | 0.022 | t | 7765 | DDEHVEEP TVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.008 | t | 151672 | KLYTLVLT PDAPSRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0 | t | 132099 | TLNELPNR T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.009 | 0.01 | t | 45693 | NRKNQLK DMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117909 | HKGFKGV D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.03 | t | 135988 | RTALLDAA GVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.033 | 0.033 | 0.029 | t | 64573 | TKGENFTE TD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 135971 | PRPRDRSG LAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 33122 | KRELRLNP QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.033 | -0.02 | -0.02 | t | 159035 | NRFEHQM WESVRDE LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.025 | -0.021 | -0.02 | t | 69666 | VLNLTTW N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.01 | t | 139800 | LGPYSFV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.023 | 0.021 | t | 99604 | REDLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.079 | -0.067 | -0.067 | t | 115540 | VKNKRTEFL SPWISNI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.079 | -0.081 | -0.082 | t | 59326 | SLLTYMK M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.02 | -0.009 | -0.01 | t | 58403 | SHRGVIAD NQAKWA V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.02 | -0.009 | -0.01 | t | 58403 | SHRGVIAD NQAKWA V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.02 | -0.009 | -0.01 | t | 58403 | SHRGVIAD NQAKWA V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.03 | t | 14841 | EVPGSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 64628 | TKNTNNN LTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 95051 | YSQFEKSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 64628 | TKNTNNN LTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 95032 | PAGTGDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.028 | t | 118497 | LNGKNIED VIAQGIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.07 | 0.071 | 0.069 | t | 150971 | CDNTCME SVKNGTYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 50215 | QAAPYIEQ A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.037 | 0.04 | t | 62447 | SWGANDT DVFVL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.032 | t | 78628 | DQKPPSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.01 | -0.01 | t | 138440 | IKRYNSTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.06 | -0.047 | -0.04 | t | 127986 | FVGVGAD YRHASCPI DYIIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.06 | -0.047 | -0.04 | t | 127986 | FVGVGAD YRHASCPI DYIIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0 | t | 28537 | ISIKYDPRK DSEVFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.001 | -0.002 | t | 14749 | EVKKKSDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 137551 | PEEVLANA FQISRED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.034 | 0.031 | 0.03 | t | 45659 | NRDFVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.033 | 0.032 | t | 34942 | LARGSPPS LASSSASQ LSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.003 | 0.003 | t | 9586 | DPAFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.009 | 0.01 | t | 10785 | DVVTGAT V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0 | 0.001 | t | 56102 | RTLDQQYK EVKRETDL SHVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.013 | t | 95728 | QPPVSQF HIQGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.033 | -0.018 | -0.017 | t | 98697 | AMCNVYI PPYCT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.042 | 0.04 | 0.04 | t | 95008 | EDVFQNG FTAW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.045 | 0.04 | 0.04 | t | 146471 | NFDIPEEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.001 | 0.007 | 0.01 | t | 21184 | GLVDCYIN L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.02 | -0.02 | t | 102535 | INLVHWN KKKYSSYEE AKKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | -0.001 | t | 52082 | QQFPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.034 | 0.04 | 0.042 | t | 40076 | LTPCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 137284 | RTNTTQG KVPSQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.031 | -0.03 | -0.032 | t | 94513 | FHPDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.041 | 0.032 | t | 118439 | IVLERSES WNLKDLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 118762 | CYGSFAKP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.03 | -0.02 | -0.02 | t | 64752 | TLDHVLHD | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.02 | t | 41057 | MAKNEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.011 | 0.027 | 0.032 | t | 427 | AASDYFAD ATLGKDIS GLDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.03 | 0.03 | 0.03 | t | 123594 | PLNSWIAS F | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.009 | 0.007 | t | 96808 | QVKSGTIF DN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.018 | 0.031 | 0.03 | t | 34927 | LAQEAGN FERISGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.033 | t | 45005 | NMMNYI MDPRTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.033 | t | 45005 | NMMNYI MDPRTH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.019 | 0.02 | t | 73311 | YAAANPT GPASVQG MSQDPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.007 | -0.01 | t | 121034 | VHPDTGIS SKAMGIM N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.016 | 0.017 | 0.018 | t | 53409 | RDPYSPSQ DPYSPSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.001 | 0 | t | 62447 | SWGANDT DVFVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | -0.003 | -0.001 | t | 24104 | HITHSGME GMGVSCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.021 | 0.017 | 0.019 | t | 144364 | ITDAVITVP AYFND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.021 | 0.017 | 0.019 | t | 144364 | ITDAVITVP AYFND | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.017 | 0.01 | 0.008 | t | 132869 | LSPLGEEM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132885 | PVRLAE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | -0.005 | 0.001 | 0 | t | 75863 | YSPSRFSY FYPFRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.019 | t | 38422 | LPAYQDYT ARAQVSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.043 | 0.06 | 0.062 | t | 48898 | PPQQPPQ QPPQQPP QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.001 | -0.002 | t | 39087 | LRFPRGQG VPINTNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.008 | t | 66894 | TTVNAHQI LPKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.033 | 0.03 | t | 62993 | TASITSPLT TQNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 107345 | EQRRAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 107345 | EQRRAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.032 | 0.033 | 0.032 | t | 8156 | DERTLTKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.013 | 0.019 | t | 125400 | ELLKLLIEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.019 | t | 21722 | GPPAAEY WNSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108202 | VVSHFND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.014 | 0.009 | t | 44917 | NLVLNRDV SFQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.03 | t | 116947 | DIDYSDYS TR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.022 | t | 72153 | VYRYDSRP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.022 | t | 72153 | VYRYDSRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.006 | t | 125297 | VFFEEQED EIIGFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.05 | 0.053 | 0.05 | t | 117315 | KALSVETE KLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.025 | -0.019 | -0.018 | t | 26961 | ILALLPQG VF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.031 | 0.041 | 0.04 | t | 45603 | NQPGVHI QVFEGERA MTKDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.031 | 0.041 | 0.04 | t | 45603 | NQPGVHI QVFEGERA MTKDC | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.027 | 0.021 | t | 66161 | TSAPDTRP AP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.026 | 0.029 | 0.031 | t | 28537 | ISIKYDPRK DSEVFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.03 | t | 122842 | LLDLPRDL GGMGCSS PPCE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.023 | 0.02 | 0.02 | t | 125127 | LDPENLTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 136754 | YHWKVIFY KYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.023 | 0.023 | 0.02 | t | 111255 | ENQKAGGI EQNFGLF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.031 | 0.03 | t | 20288 | GIGVTQN VLYENQK QIA | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140861 | GTVSYGEE KPAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.034 | t | 133542 | DGRRDVV VRSATFYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.01 | t | 28340 | IRMISDQR AN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.005 | 0.01 | 0.01 | t | 65238 | TMPFSPDF SNVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 141017 | FTTWSPW SQPLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 107892 | HSASQDG QDTIRGHP GSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.027 | 0.034 | 0.03 | t | 33831 | KTQIDQVE STAGSLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.043 | 0.05 | 0.049 | t | 137469 | YPPEEETG ERV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.031 | 0.031 | 0.03 | t | 68800 | VGTAEEKL KKKSSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79828 | FLGPKQLT FEGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.021 | 0.02 | t | 78923 | AFGANS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.009 | 0.02 | 0.021 | t | 80002 | RKADLEKA LEGAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.02 | -0.02 | t | 34490 | KYKVPQLE IV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.024 | 0.03 | 0.03 | t | 105647 | ADVNTFV A | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.05 | t | 145149 | DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.037 | -0.04 | t | 103912 | FWLDFW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.055 | 0.07 | 0.072 | t | 33715 | KTIENINEL IEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 12625 | EKAFREL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.045 | 0.04 | 0.04 | t | 138228 | QLDFEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.027 | -0.017 | -0.02 | t | 76165 | YTQQRRI GEFR | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.018 | 0.02 | 0.019 | t | 105867 | HTDFAGA E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 110611 | GPKGQAG EPIAGFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 5562 | AVTKGTIN DPEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 5562 | AVTKGTIN DPEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.018 | -0.028 | -0.027 | -0.03 | t | 55761 | RRVGLSNP T | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 131038 | RKIAKDEG AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.017 | 0.018 | t | 52106 | QQPQQSF PQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.013 | -0.018 | t | 120805 | MSGRGKQ GGKARAK A | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 105651 | AEFRHDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.007 | 0.011 | 0.012 | t | 36805 | LKASAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.039 | 0.038 | t | 133684 | RRIASQVK YAGSQVASTSE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 16960 | FLVNTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.019 | 0.021 | 0.022 | t | 63878 | TGLDFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | -0.002 | t | 99921 | DAEFRHDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.032 | 0.031 | 0.029 | t | 103393 | LTTYILLPS QDLPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.017 | 0.02 | t | 74075 | YGRDPYSP SQDPYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.041 | -0.03 | -0.03 | t | 6541 | CLAVLLGACS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.024 | -0.02 | -0.021 | t | 79054 | QPDGGQP AVRNERAT | MD |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.024 | -0.02 | -0.021 | t | 79054 | QPDGGQP AVRNERAT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.04 | 0.04 | t | 22691 | GTHPSSSA GLKNDLLEN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0 | -0.003 | t | 29218 | IVCIDRASLST | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.023 | 0.023 | t | 115397 | NLLSICKTAEF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.019 | t | 150965 | AKSFYKNLI WLVKKG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.004 | -0.007 | -0.01 | t | 36834 | LKEYKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.025 | 0.027 | 0.028 | t | 71669 | VVGDEGR SVFDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.002 | 0.01 | 0.01 | t | 30993 | KGKKVDLY GAYGYQ CAGGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | 0.003 | 0 | t | 697 | ADKSSILFL CDD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.04 | -0.041 | t | 138028 | SAGALQLL VVGC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117675 | VEPKVKSK KREAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 99007 | SLQPED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 119516 | RKLAHPGT S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.01 | 0.019 | 0.02 | t | 26700 | IITFKSGAT F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.075 | 0.08 | 0.08 | t | 20174 | GHQVGDG E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 158947 | LDIDIDPKV KVATLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 139154 | KWEAARE AEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 124588 | PQEETLQA FDSHYDYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122842 | LLDLPRDL GGMGCCSS PPCE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117520 | GSFSDADL AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131406 | EGEGSGFI REDPIGAG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120172 | RKIPKRPG SVHRTPSR Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131717 | TTLVNPNK KNSYPHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122790 | HQEEDFR VTCKDIQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120769 | LLVDVEPK VKSKKRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120705 | KNQFDHY SRHESCAE L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119052 | WNPADYG GIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 126201 | GYKEKSKF QDTHNNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131701 | THHINNM KPSFTREN T | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127643 | ERPLELRV RVLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133775 | AETNRAPF DLAEAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 124384 | KRSRHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132848 | KKEDFDIY DEDENQS PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117506 | GGAHFSVS SLAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119382 | VISCAKDAI EDEEGSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122861 | NALNSPLH QEYEENL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103309 | KKNGRILT LPRSNPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 113129 | QLELPAVT PEDDGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111193 | DGPAGQA EPDRAHY NI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 100777 | DIDFLIEIE RLGQDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 112958 | ELRPELSW LGHE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106494 | GYENPTYK FFEQMQN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108522 | LHEYMLDL QPETDL | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106842 | SKDEIDSA VKMLVSLK MSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104569 | MASPGSG FWSFGSE DGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103496 | PRGYPGQ V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106349 | DPLRPQRE GC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97348 | GLFGAIAG FIEGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94836 | GSSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 69175 | VKAETRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94979 | YNKRFPGF VSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60751 | SRNWLPG PCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94606 | LTGGFYEP L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 95048 | VIFQTPLIK NPDVKSAL EG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 95004 | DEESSNAA EEWKYVA MVIDH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75278 | YPEKAVLD EYDYRYNR PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 95524 | KRQIYTDIE MNRLGK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94496 | EEEEYMP MEDLYLDI LPEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43232 | NANNPD WDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 37698 | LLQAHRQL EER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48906 | PPRRVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48876 | PPPQAPY QGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46894 | PAPQAPY QGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 55389 | RQAESSEA MAAWSER AGEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41537 | MFSGGGG PLSPGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56734 | SADNNNS EYSWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.002 | t | 49680 | PTKEFFRE A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48779 | PPFSLSPV PTLGSRSR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13837 | EQHHRRT DN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 28676 | ISQAVHAA HAEINEAG R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 28676 | ISQAVHAA HAEINEAG R | Oryctola gus cuniculu s |

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|---|------|---|---|------|--------|-------|------|--------|---|--------|-----------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19067 | GDPEDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30661 | KEVPALTA VETGAT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 36729 | LITNTIAGV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9044 | DLDGAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9620 | DPEDLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99267 | GEPDLSNN FGKLFEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.013 | t | 116169 | TPRTPPPS QGKG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.003 | 0.01 | 0.013 | t | 116169 | TPRTPPPS QGKG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7849 | DDPPATVY RYD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.059 | 0.07 | 0.07 | 0.07 | t | 125610 | YYVFEEQ EDEIIGFG QELK | Cricetulus migratorius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151731 | SAQSQRA PDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120849 | NSQPEILE RTRAELD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123562 | NSSSQFQ IHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120849 | NSQPEILE RTRAELD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120849 | NSQPEILE RTRAELD | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 123294 | HMPGQPP Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0 | 0.01 | 0.017 | 0.01 | t | 134205 | QRGNQIM SDKRNVIL FSVFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.023 | -0.028 | t | 118348 | FHSGKHY WEVDVTG KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.017 | 0.017 | t | 114762 | DCTAEDRP LC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.01 | -0.012 | t | 156974 | WGTHTSY PWRLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | -0.003 | 0 | t | 53109 | RAGVCY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.01 | t | 6832 | CPRPPRAV AAYGPGV DYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 9106 | DLGSIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.037 | 0.03 | t | 117364 | RPDAEYW NSQKDLLE QRRAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.023 | 0.019 | t | 23162 | GVSYNIGS QEWYTTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 76616 | YYTKDTNN NL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 76616 | YYTKDTNN NL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.001 | t | 117300 | GSGKGKV QFQGKKT KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.03 | t | 106861 | SPDWFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.01 | 0.017 | 0.02 | t | 37997 | LMCDIDG NRL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.057 | 0.049 | 0.05 | t | 78499 | QVADKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149046 | FQINPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | 0.003 | 0.002 | t | 12258 | EGRFKSQD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.025 | 0.03 | 0.03 | t | 136705 | VEEERFHQ QGAPRA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.009 | -0.01 | t | 46297 | NTTYILVK GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.013 | -0.01 | -0.011 | t | 12537 | EINTLQNQ | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.06 | -0.053 | -0.059 | t | 126137 | GLKKMLRT CAVHITL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 19738 | GGGAGGA GAGGGAG GAG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 34965 | LASLRKAF ADTVVPRP PSNY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 28075 | IPSTAFTDI AWVRLPN HY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.027 | 0.03 | t | 51148 | QIVGGVYL LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.008 | 0.017 | 0.02 | t | 140865 | GYLAGKG VDAGKLG TVSYGE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.017 | 0.019 | t | 135569 | KTNMK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156864 | EPNPTRL | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.009 | 0 | 0 | t | 78627 | DPDPPDA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.003 | -0.009 | t | 122071 | AALGSAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.001 | 0.012 | 0.01 | 0.008 | t | 40074 | LTPANLIR GDNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 156905 | KPGDPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 103830 | CHAVKVG NPSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 9132 | DLIPLLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.019 | 0.02 | t | 54095 | RHRQPRG WEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 118392 | GVGGPSQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 112090 | EDLAVYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 117341 | PGSALLFDI PEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.01 | t | 57767 | SFFVKDW PER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.033 | 0.03 | t | 50989 | QGYQEPP PPQAPYQ GYQEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.019 | -0.011 | -0.01 | t | 51474 | QLPNVGIT QGIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0 | 0 | t | 10714 | DVRRIEGG | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.038 | 0.04 | t | 135931 | GDVEEAIE RAVV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.007 | t | 110761 | AENPTNY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.009 | t | 144594 | ARGISRTK YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.014 | 0.023 | 0.029 | t | 136062 | FGISETQA EAILE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | -0.002 | t | 56564 | RYKQKIIAP AKQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.01 | t | 97485 | LVSEGFLKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.009 | t | 158723 | DTGCAIDIS RQELRCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.011 | 0.012 | t | 13735 | EPQVYTLP PSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.01 | t | 117298 | GPSRRGPS LGASSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0 | t | 32617 | KNTLQAR QQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.009 | 0.021 | 0.022 | t | 111663 | QDKILTHY ENDSTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.013 | -0.01 | t | 59650 | SMDVRRIE | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 129543 | PAAAAAP AKVEAKEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.009 | 0.01 | t | 22119 | GRLDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.06 | 0.059 | 0.06 | t | 151945 | KFSSLYISQ FI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.004 | -0.01 | t | 138190 | HNAKTKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.002 | 0 | t | 118217 | VTKYITKG WKEVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.031 | -0.03 | t | 106523 | HWHHTIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | -0.006 | -0.001 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.04 | -0.042 | t | 120598 | IARFKMFP EVKEKGM A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.01 | 0.003 | t | 116024 | VTLRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.024 | -0.01 | -0.01 | t | 149725 | GSEKEAPS KDFYLKN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.012 | -0.007 | -0.001 | t | 102439 | FQLKTADL PAGRDETT SFVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.012 | -0.007 | -0.001 | t | 102439 | FQLKTADL PAGRDETT SFVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.007 | -0.008 | t | 66934 | TVAELQRL KMKVGKT REL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.007 | -0.008 | t | 66934 | TVAELQRL KMKVGKT REL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60795 | SRSERR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.05 | 0.049 | t | 136590 | RDYFEEYG KIDTIEIT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.009 | t | 38434 | LPDKFNAY LANKWV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 135837 | DMYGDIRL TGLI | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | 0 | -0.007 | t | 106114 | SLNPERMF RKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 114764 | DENPVVH FFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127585 | ASFEPFSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.009 | t | 74794 | YLLPAIVHI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 103838 | DAEFRHDS GYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 70621 | VQPDGGQ PAVRNER A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 62050 | SVARTRGL YDDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 47670 | PGGRERGI YHIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 48395 | PLLGCIGST CAEDGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 53194 | RARGIYET ETRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0.001 | -0.002 | t | 21838 | GPWSPIDI HHLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 21838 | GPWSPIDI HHLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.002 | t | 1448 | AGAPDRA RGQYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.026 | -0.03 | t | 115658 | VGWYRPP FSRVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.05 | -0.04 | -0.04 | t | 13589 | ENSGCFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 99293 | GQEEENE GGNIFSGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.025 | -0.011 | -0.01 | t | 45589 | NQMHML SNKS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.052 | 0.053 | 0.051 | t | 99007 | SLQPED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | -0.003 | -0.003 | t | 115403 | NQELAYFY PELFRQFY QLDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.013 | 0.008 | t | 3676 | APPGSPAP PPPEHRG GPEEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.011 | -0.012 | t | 48359 | PLIHFGND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.002 | 0 | -0.002 | t | 146808 | CTPKSDEF NPCEDIM GYKFL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.052 | 0.052 | t | 27555 | IMSGEKPT VEDVVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.022 | t | 20523 | GKCGVSIP YK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 135930 | GDKVSFFC KNKEKCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 21466 | GNLLFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.041 | -0.03 | -0.03 | t | 74478 | YKLTRPYM ARC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.009 | t | 53894 | RGKDLPVL DQLTD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 68184 | VEFTKDTQ TGMSGQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.022 | t | 14204 | ESLNTGW LAGLP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 51454 | QLNPKDN DVEL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 51454 | QLNPKDN DVEL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.011 | -0.013 | -0.02 | t | 112423 | YYCARMR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.014 | 0.013 | 0.016 | t | 20521 | GKAVTKEQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | -0.001 | t | 65050 | TLRVYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.012 | t | 25445 | IAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 149078 | NITQEAF | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.033 | 0.037 | 0.04 | t | 57504 | SEKSEEIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 51853 | QPHGGGW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 31667 | KKPTFK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | -0.001 | 0 | t | 21911 | GQLQAVNPNAGNRGQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99255 | FSEVIF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.052 | 0.063 | 0.062 | t | 26235 | IGGSQAQTAS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.018 | -0.017 | -0.02 | t | 55625 | RRKAMLQDMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.042 | -0.039 | -0.04 | t | 71192 | VSVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 75847 | YSPELE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.011 | 0.02 | 0.02 | t | 113861 | SISTTNFTNP | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0.002 | t | 17467 | FQDMLNIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.01 | -0.01 | t | 45252 | NNSTNSGI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.004 | -0.01 | t | 119278 | MSKTEWN ASQLPRLG GKEDR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112398 | WFAYWG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.073 | 0.065 | 0.07 | 0.07 | t | 52313 | QSESVEFT KDTQTGM S | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.017 | -0.011 | -0.01 | t | 67583 | VAFGNPG DTPVTGD W | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.017 | -0.011 | -0.01 | t | 67583 | VAFGNPG DTPVTGD W | Oncorhynchus tshawytscha |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.001 | -0.001 | t | 72251 | WAPSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.028 | 0.03 | 0.03 | t | 142146 | EQKLISEED L | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.021 | -0.02 | t | 55272 | RPPRYMV QS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 39167 | LRPTFDTR LM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.012 | 0.02 | 0.02 | t | 52602 | QTQSQVQ DNVKQQQ D | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119480 | KQQKTEN GAGDQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.023 | -0.03 | t | 144772 | SAHTSHLV GS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.023 | -0.029 | t | 122127 | KRSRLDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.062 | 0.044 | 0.05 | 0.05 | t | 66733 | TTNDAEAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.001 | -0.001 | t | 65000 | TLPERVRP PDDWAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 149435 | QPQYSQP QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 149435 | QPQYSQP QQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.055 | -0.05 | -0.05 | t | 50494 | QDMRNTI MASKTVG | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.023 | 0.02 | t | 97205 | ANYTTAV D | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.005 | -0.003 | 0 | t | 73991 | YGFQYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.012 | 0.017 | t | 144385 | KPLEEVLN L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.028 | 0.03 | 0.03 | t | 55965 | RSSRPLSEE NGEREYN | Mesocricetus auratus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.01 | t | 56200 | RTTSGLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.009 | t | 75371 | YPNQVYYR PVDQYSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 108082 | QKTTTRPY PNLQIDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.021 | -0.02 | -0.022 | t | 22027 | GREVKAET RLNP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.002 | t | 72321 | WMMMM NWSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.049 | -0.033 | -0.037 | t | 63098 | TCRRMLAF LKDKENR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 119574 | EWESNGQ P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.02 | -0.019 | -0.02 | t | 97018 | TVTFKATA AT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | 0.001 | 0.001 | t | 64534 | TKDASIDY HE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | 0.001 | 0.001 | t | 64534 | TKDASIDY HE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108632 | SKEENTPE VKA | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118258 | AKSPEKAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.009 | t | 105890 | IVYVGDGV C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.011 | -0.01 | -0.012 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 123833 | VSHVDFM VY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.02 | 0.02 | 0.02 | t | 39091 | LRGDLQVL AQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.02 | 0.02 | 0.02 | t | 39091 | LRGDLQVL AQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 21422 | GNFERISG DLKTQID | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.001 | t | 123540 | NIFEYEVD AEPLRPCE LER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | -0.001 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.022 | t | 150200 | FGEHKQEK DLEYGAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 96487 | KPTAPTKP TY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.013 | 0.01 | t | 1254 | AFAQAPT HQLSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.018 | t | 151676 | KVDFPQD QLATLTGR I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.032 | t | 24970 | HTRVTGG VQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.063 | 0.05 | 0.06 | 0.06 | t | 37377 | LLGYKKGE GNTCVEN NNPTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.05 | 0.06 | 0.06 | t | 37377 | LLGYKKGE GNTCVEN NNPTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.063 | 0.05 | 0.06 | 0.06 | t | 37377 | LLGYKKGE GNTCVEN NNPTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 48618 | PNDPNRN VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 6402 | CHPSDGK CN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.036 | 0.04 | 0.04 | t | 80440 | AQQPSTA TSVDAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.04 | t | 115602 | EAAAMELK VEDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.017 | -0.02 | t | 106535 | IFPSFLRPD PPL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 140681 | GPEYWEQ QTRIAKEW EQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.041 | 0.043 | 0.04 | t | 133822 | ERPLKQIA FNGGLEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.025 | -0.019 | -0.02 | t | 6365 | CGWAGW LLSPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.041 | 0.047 | 0.05 | t | 78177 | HVTDLDKE FL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.003 | 0 | t | 52082 | QQPFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 17128 | FNASDSVG QQIKVIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.007 | 0.008 | t | 29810 | KAGNEGLE WVEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.031 | 0.03 | t | 78971 | FGANST | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.03 | -0.022 | -0.02 | t | 12388 | EIAKTLLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.065 | 0.061 | 0.06 | 0.06 | t | 29899 | KANGNGS GDNGDTT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 28909 | ITGHRMA WDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 106941 | TVKQLYTL YPAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.059 | t | 78872 | VIPDREVL YQEFDEM EECAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.028 | 0.029 | 0.03 | t | 57281 | SDSGSDSG ASST | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130637 | WSSCVFSV SYCL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.02 | t | 65414 | TNRRPQD VKFPGGG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | 0 | t | 118434 | ISKGANPV EIRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.11 | 0.108 | 0.096 | 0.103 | 0.112 | t | 125871 | EEEEEEEE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.024 | 0.02 | t | 127987 | FYQALQNS LGGEDSD ARVEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0 | 0.007 | 0.01 | t | 11731 | E EKPAVLG HDEAAYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 52086 | QQPFPQQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.042 | t | 26372 | IHFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.009 | -0.011 | t | 4885 | ATALDTSN KFADFLQI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.004 | t | 62003 | STWHVLVS PNVSVPS SSTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 6059 | CCDLAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 137945 | PGTEYTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.008 | t | 7216 | CTTFDDV QAPNYTQ HTSSMR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.002 | t | 67181 | TVTPID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 35973 | LFSGDEDS DSSDGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.007 | 0.008 | t | 195 | AAHASAR QQWELQ GD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49505 | PSSKRFQP FQQFGRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.031 | -0.02 | -0.018 | t | 56089 | RTIVCGLFP TQIQV | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.031 | 0.032 | t | 44778 | NLLFTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.02 | -0.017 | -0.02 | t | 78243 | PLFRPS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 25291 | IAGKTSVL RAIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.013 | 0.01 | t | 73298 | WYTTVPK YVATQGYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.013 | t | 123479 | LYEPPASLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.033 | -0.031 | -0.031 | t | 67169 | TVSSQSFR RL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0.005 | 0.003 | t | 110828 | EIDGPAGQ AEPDRAH YNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.003 | -0.009 | t | 134804 | TIFILFCCSK EKRRKKQA AT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 9591 | DPAKAAF D | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112055 | AWFAYW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 137858 | FTPGTEYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.01 | t | 142047 | TYFKGVST ELKDKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.012 | -0.007 | -0.01 | t | 95973 | VNPLGFFK KEAL | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 115047 | ELQFPFLQ D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.022 | -0.009 | -0.01 | t | 35982 | LFSLMPDV AHSLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.033 | 0.032 | t | 42308 | MPPYPTG GPPPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.009 | 0.011 | t | 140573 | LCRSACVIY IKYSSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | 0 | 0 | t | 58511 | SIFYTYGTA PARISVPY VGI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.013 | 0.01 | t | 32817 | KPNYAPA NCPKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78506 | RSDVVGL QSLFCCEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.017 | 0.02 | t | 21653 | GPGVAGS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.04 | t | 137859 | FTPGTEYT VEVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.004 | 0.01 | 0.012 | t | 66062 | TRLNPDQL PTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 83209 | HQVQEGL NIEKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.002 | t | 11571 | EEEDDDM GGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 10892 | DYHRVMY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 14398 | ETHPLYQS | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 96171 | DEEDKEED EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 106913 | TLPPITADF DCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.009 | t | 58076 | SGHRMA WDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.009 | t | 139496 | ESSRDGSR HPRSHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.017 | 0.018 | t | 38582 | LPLPLLQS WM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.047 | 0.048 | t | 48754 | PPAYEKLS AEQSPPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.019 | 0.028 | 0.03 | 0.03 | t | 27048 | ILFPAD | Marmota monax |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108420 | HELGDIAI A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105901 | KGTAPEFI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 10782 | DVVSTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.051 | -0.04 | -0.04 | t | 21026 | GLLRHYTY ARFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.021 | t | 141726 | PTAPPLLP HS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | -0.006 | -0.002 | t | 60327 | SPVTKRAS LKIDSKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.013 | -0.017 | -0.02 | t | 78220 | NKTWYL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 97282 | ESNNL | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 51014 | QHLPYIEQ G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.029 | -0.02 | -0.021 | t | 113862 | SITSGPMA RP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.029 | 0.029 | t | 9585 | DPAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.005 | 0.007 | 0.01 | t | 53464 | RECCNEIR DVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 112309 | SGFSLTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79253 | IARLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.037 | 0.031 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.028 | -0.02 | -0.018 | t | 110913 | KDIKANPE NYFT | Macaca |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.022 | 0.02 | 0.018 | t | 47338 | PELAPEDP EDSALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 127718 | KSTPQFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 51939 | QPQQTFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 51939 | QPQQTFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78207 | MLPLKS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.03 | t | 73739 | YEPGRSL W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 53763 | RFQEALKK SLKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 49748 | PTPSAPAR GE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.041 | -0.027 | -0.03 | t | 74503 | YKRRMAD AVSRKKM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.01 | 0.003 | 0.001 | t | 35956 | LFREDGSA CR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.017 | -0.021 | -0.022 | t | 54763 | RLSGVFLIE LDKLII | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.017 | -0.021 | -0.022 | t | 54763 | RLSGVFLIE LDKLII | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9895 | DQRPYCW HYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.038 | -0.037 | -0.04 | t | 55760 | RRVGLSNP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.032 | 0.032 | t | 156603 | AEVLRDG DCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | -0.002 | t | 91996 | SSLDRRYL DGLEVC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.02 | 0.016 | t | 34068 | KVKILPKD RWTQHTT TGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.023 | -0.03 | t | 140672 | EQIYRVDL RTLRL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 78560 | VTSRGNV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78396 | GLANDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.022 | 0.018 | 0.02 | t | 45462 | NPQVNLV D | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.019 | 0.02 | t | 69201 | VKDYTEKL HEGVAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.045 | -0.049 | -0.05 | t | 50067 | PYCWHYA P | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 115234 | EQLTKCEV FR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.008 | 0 | -0.002 | t | 50180 | PYVEPTAP QVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.038 | -0.03 | -0.03 | t | 140594 | RELVLAGTI | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 135457 | FGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0.002 | 0.002 | t | 96806 | QTELARVQ KA | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.038 | -0.04 | -0.042 | t | 132861 | LKRGIEKA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.017 | -0.02 | t | 27290 | ILRKSRRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 61818 | STPGIVI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.013 | -0.019 | t | 134804 | TIFILFCCSK EKRRKKQA AT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 38693 | LPRSNTSS GAIPPAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79821 | FEGKPALE LIRM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.027 | 0.022 | t | 130448 | AYAKDVKF GADA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.007 | 0.003 | 0.011 | t | 117451 | DDGFFYIP KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.011 | t | 27961 | IPNKKPGK KTTT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.005 | -0.013 | -0.021 | t | 104286 | SRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.01 | -0.01 | t | 58417 | SHSQWNK PSKPKTN MK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144676 | GTHPSLQF T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144676 | GTHPSLQF T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153381 | ETPLTIAGL KLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.008 | t | 63730 | TFPQPQQ TYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.009 | t | 159173 | TTESGKLIT DWCCRSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.04 | t | 132644 | SAKEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 119518 | RKTALGTR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.052 | t | 134673 | FVAQNKID SLNLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.02 | -0.02 | t | 48996 | PQFKPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0 | 0.013 | 0.02 | t | 128079 | PSPDITSTT KTRNFDLV NCN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.03 | -0.03 | -0.032 | t | 156929 | PGPRFF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.02 | t | 135926 | GADIKKT MEGPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 100580 | TVDDFGVL AVRVVN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 51940 | QPQQTFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 51940 | QPQQTFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.02 | 0.027 | 0.03 | t | 31406 | KIQRDEDS YGRDPYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.031 | 0.03 | 0.031 | t | 127958 | EHP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.031 | t | 127958 | EHP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.02 | -0.01 | -0.01 | t | 140835 | DAVKGYLA GKGVDAG KLGTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.007 | -0.01 | t | 120904 | RALKRRNA RTKAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.009 | 0.01 | t | 21763 | GPRLQPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0 | t | 54909 | RMKDTLRI TY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.033 | -0.03 | t | 131316 | TLMVMVS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 153483 | TRDGKLPT TQLRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.023 | 0.03 | 0.028 | t | 8567 | DHSDLVAE KQRLEDLG QKFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.021 | 0.019 | t | 135390 | YYLVSLGP DLIKDSQ | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.009 | t | 97628 | SAAANYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.001 | -0.002 | t | 153251 | AKAFSYW TPFDGKSL YSST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.012 | t | 134116 | KGDVTAQI ALQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.009 | 0.01 | t | 66025 | TRFVNASP TGYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.001 | 0.007 | 0.01 | t | 43191 | NAKATYEA ALKQYEAD LAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.029 | -0.02 | -0.02 | t | 68855 | VHHANENI FYCPIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.012 | t | 137401 | FEDVW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117512 | GRGRGRG RGGPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.003 | t | 61589 | STEQNVP DPQVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | -0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.007 | 0.009 | t | 79624 | PEEQVPQL IPPIIPRA G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.019 | -0.021 | t | 43825 | NFELCDNP FFAVSKPM G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.013 | 0.01 | t | 133787 | CQALVRM LAKKPGW K | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.025 | -0.02 | -0.021 | t | 60992 | SSFFSYGEI P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.06 | -0.049 | -0.051 | t | 111233 | EEASVTVV EGQVDYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | -0.002 | t | 122930 | TWDPAQP PRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.052 | t | 117557 | KVQLLRN WH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.007 | -0.002 | t | 142385 | AKTAATN AEKKKTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.013 | -0.018 | t | 127046 | SAPATGG VKKPHRYR PGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.007 | -0.01 | t | 28721 | ISSISART | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.026 | 0.027 | 0.029 | t | 58038 | SGFTPEFLE QAFQVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 79622 | NYARTGG QVTAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.006 | 0.003 | 0.013 | 0.021 | t | 115640 | QKSQRSQ DEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.003 | -0.01 | t | 108052 | NWLSLITA AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.006 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.023 | 0.02 | 0.02 | t | 141021 | GHKEVT VT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.009 | t | 131579 | PDIITGFSS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.021 | -0.02 | t | 22199 | GRRVGLS N | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.02 | 0.033 | 0.03 | t | 63736 | TFQVEVPG SQHIDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.007 | 0.008 | t | 53282 | RCKANKIQ DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145831 | IPLGTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.01 | t | 50442 | QDAYNAA GGHNAVF NFPPNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119478 | KNDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.035 | 0.053 | 0.052 | t | 52357 | QSKSTSAA STSDELSG SEGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.07 | -0.063 | -0.07 | t | 107858 | GHAKSRP VRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.007 | 0.007 | 0.013 | t | 117451 | DDGFFYIP KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.013 | -0.011 | t | 28575 | ISLIFIYETF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.023 | 0.031 | 0.029 | t | 59016 | SLAQVKYT SASSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.028 | 0.03 | t | 71786 | VVPLATYS LTGLWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 32807 | KPNLSSKR SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.029 | 0.029 | t | 110862 | GGPTLVSL HELPAETP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 108141 | SPSDAKSH VRVADLI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.002 | t | 122745 | EEKPTSAP S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 129695 | QLYKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.03 | 0.031 | t | 14992 | EYEDLLKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 131903 | GVMAARG QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.013 | t | 114454 | LIYERGRG ITGVLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.017 | 0.001 | 0.002 | t | 151069 | WTGMVD GWYGYHH QN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 118806 | GGPDGEP DVPPGAIE QGPAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 121843 | SGLGLFPY SSFIWSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 121843 | SGLGLFPY SSFIWSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114920 | PVCGTDG VTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 140725 | PDELHK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.011 | t | 24812 | HSMKEGI HAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.061 | 0.061 | 0.061 | t | 11456 | EDTVTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.02 | t | 42273 | MPFVTHN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | -0.002 | t | 126921 | RERRGIAL D | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.01 | 0.009 | t | 99386 | KLKGESG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.019 | 0.015 | t | 74762 | YLLARGHD PAFVHMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.007 | -0.011 | t | 53995 | RGTARTPP TDPKTHPH GPAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.008 | 0.008 | t | 96352 | GVTKAAEK QM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.069 | t | 112279 | QTEDLAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 47778 | PGVLMGG QSESVEFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 54862 | RMAWDM MMN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 112461 | AVLKLMG RGTKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.013 | -0.012 | t | 95979 | VPQPPVS QFHIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.046 | 0.04 | 0.037 | t | 114404 | IESWDPN NQQFQCA G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 91876 | RALGLPPF LNSLPQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.062 | -0.054 | -0.05 | t | 96239 | EKPTPPVK PT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.065 | 0.06 | 0.059 | t | 97596 | QTPLTMA ALELL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.018 | t | 134188 | PMSTPSAT SVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 131697 | TGTSSDVG GYNYVSW Y | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.017 | 0.031 | 0.032 | t | 137939 | NVLSADFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0 | t | 106842 | SKDEIDSA VKMLVSLK MSY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.057 | -0.051 | -0.05 | t | 59854 | SNKFADFL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 26234 | IGGPLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.02 | 0.012 | t | 107031 | YTQKHKKH QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.022 | t | 21471 | GNLNTIRT RVHE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.022 | t | 21471 | GNLNTIRT RVHE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.009 | 0.009 | 0.008 | t | 6953 | CRTNYGYS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.014 | 0.01 | t | 10692 | DVPDYASL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151731 | SAQSQRA PDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68401 | VEVPGSQ HIDSQKKA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78396 | GLANDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.007 | 0.02 | 0.021 | t | 68054 | VDREGRD NVRSKGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.021 | t | 94573 | KRIPNKKP GKKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.02 | t | 79926 | MASMTG GQQMG | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112150 | GVPDRFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.019 | 0.02 | t | 120407 | APGYKHEI KYNC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.019 | 0.02 | t | 120407 | APGYKHEI KYNC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 79303 | LVAAGVD YEDERISF QDWP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.003 | t | 73385 | YALADASL KMADPNR FRGKD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 19636 | GFTTNEER YNVFAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 127185 | TCDDPRF QDSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.02 | t | 130448 | AYAKDVKF GADA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.037 | 0.041 | t | 131217 | EDISAYLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 45816 | NSGCFRHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 45816 | NSGCFRHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.008 | 0 | -0.001 | t | 153392 | GNTLQCI MLVYCFLG YCC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 22123 | GRLGTYRY VSSGER | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0 | 0.011 | 0.01 | t | 53191 | RARFEELC GDLFRSTI QPVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48597 | PNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | 0 | t | 32809 | KPNNDFH FEVFN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130453 | CLFFQNGK VKCAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.02 | t | 117888 | GQILDILVS RSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.011 | t | 7208 | CTSPYDGK YWSMYSR L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 24652 | HQTLQDP RVRGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.018 | t | 22015 | GREGYPA DSKGCKIT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | -0.004 | 0 | t | 32970 | KQEGDKC VENPNPTC NENN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.02 | t | 143932 | HNIWSAP RLIFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.01 | -0.021 | t | 115109 | SKIFKLGGR DSRSGSP MARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.008 | 0.013 | 0.011 | t | 11286 | EDAKELLE SSDQILR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.003 | t | 105863 | HHQKLVFF AEDVGSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.03 | 0.03 | t | 120167 | RFQSSAV MALQEAC EAYL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106991 | WASDLM HRLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.01 | t | 39916 | LTGISICNP GSSLC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.018 | t | 123361 | KFYCDYCD TY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.033 | 0.033 | t | 11377 | EDLDGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.028 | 0.027 | 0.022 | t | 124205 | GPLQLGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.009 | 0.01 | t | 7761 | DDEADRYF TYEE | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.031 | t | 106340 | DIMPCLHF VKGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48006 | PIVKNQSC SISNIETV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.011 | t | 49191 | PRGRRQPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.002 | t | 133608 | INTTVCAG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117515 | GRGRGRG RGRGRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 69175 | VKAETRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 54401 | RKPARL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.006 | 0.013 | 0.012 | t | 157466 | KLDITGKP MV | Canis lupus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 115202 | DDLTDDI MCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 24035 | HIDSQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.011 | t | 25140 | HWSYGLR PG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.02 | 0.012 | t | 105976 | NGVTLGYT SGTCQGN ASATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.029 | 0.027 | 0.02 | t | 102706 | PAESGGS QPPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.028 | t | 31555 | KKGSSGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.033 | t | 117695 | YITTIAGV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115923 | QPLPPTV MFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.068 | 0.08 | 0.082 | t | 20167 | GHNSVDF EED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.022 | -0.02 | -0.021 | t | 11273 | ECTLKKS SGYCAWP | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.022 | -0.02 | -0.021 | t | 11273 | ECTLKKS SGYCAWP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.01 | 0.01 | 0.008 | t | 156958 | SLHSSVQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.003 | t | 80000 | RGTGSYNR SSFES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.011 | 0.009 | t | 103838 | DAEFRHDS GYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.013 | 0.01 | t | 71921 | VWARPDY N | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.013 | t | 41601 | MGLIAGA VGGSLLAALV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.011 | t | 153393 | GPDAPRIP LSKM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0.002 | t | 125551 | RNLTYIDP DALKEPLLKFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.04 | 0.04 | t | 23207 | GVVTLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0 | -0.002 | t | 146795 | CCELCNP QCAGCY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.031 | -0.027 | -0.031 | t | 99622 | RNFRPLTP RGYTTWV | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.01 | -0.01 | -0.01 | t | 123787 | TPATKKAV | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133623 | KPGEMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.028 | -0.009 | -0.008 | t | 58197 | SGPSGTSP SSRSNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140864 | GYLAGKG VDAGK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.016 | 0.01 | t | 21109 | GLRNVAA GAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 61394 | SSTKNLIY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 61394 | SSTKNLIY | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.001 | 0.013 | 0.02 | t | 127933 | APDDSFKK LEDRFTNL KF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.019 | 0.004 | 0.01 | 0.01 | t | 65096 | TLTKEYED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 48837 | PPNAPIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.046 | -0.031 | -0.03 | t | 8370 | DGEERQSY WFEN | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0 | t | 3180 | AMQWNS TAFH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.022 | 0.02 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | -0.005 | t | 48085 | PKINRSAS EPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 133624 | KPGEMRG AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 137909 | KPSEDELT AEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137770 | TLARSFICI QM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55818 | RSDYKFYE DANGTRD HKKG | Chinchill a lanigera |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55818 | RSDYKFYE DANGTRD HKKG | Chinchill a lanigera |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 36959 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 25139 | HWSISKPQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.052 | -0.04 | -0.039 | t | 53864 | RGFLGRM LF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119673 | WNPDDYG GVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.01 | -0.007 | -0.01 | t | 156911 | LGMSTNP GPRIL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 120649 | ITVGLQLIQ LISVDEVN QIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 107357 | EYKCKVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.01 | t | 55293 | RPQDVKEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.018 | 0.01 | t | 47984 | PISLLFNEK EADDNDH EPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.047 | -0.042 | t | 122320 | DVTVGPLI FL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 99839 | QSPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.027 | -0.03 | t | 118491 | LKVGLQVV AVKAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.002 | t | 149304 | ENTTTLKG DSFYYGK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.017 | -0.02 | t | 135934 | GWGSPKV TKDGV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.007 | 0.01 | t | 257 | AAKVLVEG NTDERGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.001 | 0.009 | 0.01 | t | 99018 | SYSITTPSQ FV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 79346 | QCETESDL LIPSCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.03 | t | 49107 | PQQQFPQ TQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112414 | YLSSFTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.019 | 0.019 | t | 27795 | IPALTAVET GATNPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.05 | -0.04 | -0.039 | t | 139752 | FRYPRPKH CHTQVA | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.033 | 0.032 | t | 105869 | IAGFKGEQ GPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75044 | YMDLGMK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.04 | t | 33319 | KSGATFQV EV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 142810 | KEWEQIYR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120849 | NSQPEILE RTRAELD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120849 | NSQPEILE RTRAELD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119405 | YAIVHMTK LLDYGKI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 24786 | HSLGKWL GHPDKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 24590 | HQLDPAF GAN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.058 | t | 107892 | HSASQDG QDTIRGHP GSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.031 | t | 153270 | LVAQINLE M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.047 | -0.047 | -0.033 | -0.038 | t | 156885 | GYRAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 60751 | SRNWLPG PCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | 0.001 | 0 | t | 57296 | SDSVGQQI KVIPVDPY FFQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.04 | t | 48606 | PNATQPEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.014 | 0 | -0.001 | t | 60590 | SQW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.009 | 0.01 | t | 21807 | GPTEESVE RAMGRVA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.01 | -0.01 | -0.01 | t | 39354 | LSFTLTGN PNRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 51572 | QLVLGENL DTERILAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.036 | 0.04 | 0.04 | t | 102723 | PPTPTPDQ PEPNKPVE PTYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 115245 | EYGLFQIN NK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 157683 | MRTSTDM PSQHI | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 98842 | KDLAFPGS GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | -0.01 | t | 32817 | KPNYAPA NCPKS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.033 | 0.03 | t | 16396 | FKLEKEVA E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.033 | 0.03 | t | 16396 | FKLEKEVA E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.017 | 0.018 | t | 107011 | YFALEAYA FD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.02 | 0.021 | t | 117598 | PEPAKSAP APKKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.036 | 0.037 | 0.04 | t | 54145 | RIESEGGYI ETWNPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135454 | DYEDRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.006 | t | 35398 | LEDPASRD LVVSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.043 | 0.042 | t | 13657 | EPGVLMG GQSESVEF T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.031 | 0.037 | 0.03 | t | 127957 | EESRGRTS SKTAFYQA LQNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 68865 | VHLDSAF WVRTDF D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.003 | 0.01 | 0.01 | t | 9305 | DLTNITHV EKLC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.007 | -0.01 | t | 78281 | TKLPAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 19637 | GFTTNEPR YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 136594 | RHYQNFQ FHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.003 | -0.009 | t | 108007 | LLPWLDG HPM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.013 | -0.02 | t | 144644 | FRQQHGK TVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.009 | t | 135845 | WTEIHDW EAAME | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.009 | t | 135845 | WTEIHDW EAAME | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.002 | t | 100320 | NCDFSQT ATLTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.03 | t | 2040 | AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 131892 | GNDTSSVS GWGDPKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.034 | -0.017 | -0.018 | t | 71138 | VSSQSFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 32113 | KLQPAEIET CMKTIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.014 | 0.019 | 0.02 | t | 48452 | PLPPVA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 125791 | CSFWSKYI QTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 114223 | PFSRVVHL | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 114236 | VGWYRSP FSR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 112842 | SSKRGRQT PVLAYML DHSRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 3274 | ANETIYNT TLKYGDV | MD |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.021 | t | 3539 | APENKGT G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106780 | RKYFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.033 | t | 107156 | GLAGAPGL R | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.013 | -0.02 | t | 135987 | RSITLGNST ITT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151731 | SAQSQRA PDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106487 | GTSTEVWL APDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106690 | NSDHFLQP DPPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106363 | DVYWLMP DPPTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106225 | ADIWLTPD PTTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106535 | IFPSFLRPD PPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.033 | -0.03 | t | 28575 | ISLIFIYETF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.055 | 0.056 | 0.053 | t | 115912 | QAPEY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 13974 | EREDERTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 13974 | EREDERTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.041 | t | 133749 | YNLLMHLS SML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.042 | 0.042 | 0.04 | t | 55834 | RSFGSSSTS GITGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.012 | t | 120210 | SQKDLLEQ RRAAVDTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.002 | t | 5380 | AVILLMCA VHPTLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 133231 | MGPRRRS RKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 116684 | CNYYSNSY SFWLASLD PKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 33745 | KTKRNTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.009 | 0.009 | 0.01 | t | 40718 | LYATFDEF PPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | -0.003 | 0 | t | 27959 | IPNGTYRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 158603 | PVELQLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 136010 | VMIKSLPA LNSPTVEE C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.021 | t | 105701 | CVVGC GG GV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.038 | 0.039 | 0.043 | t | 103117 | DTDY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | 0.001 | 0.003 | t | 110967 | PRKLPQLC TELQTTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 132813 | FGENNNM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.028 | 0.04 | 0.042 | t | 72143 | VYQVNNL EEIC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | 0.003 | 0.001 | t | 99367 | KDGYIVD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.02 | 0.021 | 0.02 | t | 4884 | ATALDTSN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.031 | 0.039 | 0.04 | t | 65403 | TNQEQTSL YV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0 | 0.01 | 0.012 | t | 22037 | GRFRTIVC GLFPTQ | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 112150 | GVPDRFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 20088 | GGWGQP HGGGWG QG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.026 | 0.022 | t | 74322 | YINNELIPS MNQLSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 4027 | AQPHEPG SYTNVFDH LDWIK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.023 | 0.02 | t | 107013 | YGASSRAT GIPDR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.067 | 0.061 | 0.06 | t | 73605 | YDVVST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.067 | 0.061 | 0.06 | t | 73605 | YDVVST | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.017 | 0.021 | t | 67729 | VAQYKALP VVLENA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.013 | 0.01 | t | 60285 | SPTHYVPE SDAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.013 | 0.01 | t | 60285 | SPTHYVPE SDAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.013 | 0.01 | t | 60285 | SPTHYVPE SDAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.013 | 0.01 | t | 60285 | SPTHYVPE SDAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.019 | -0.01 | -0.018 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.009 | -0.003 | -0.002 | t | 113857 | SGYYPTSP QQPGQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.007 | -0.007 | -0.012 | t | 29379 | IVNTLNGF YRSL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.017 | 0.018 | t | 106891 | TADFDCSK IQST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.009 | -0.01 | -0.012 | t | 5924 | AYSMSFS WDWSGH NY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.009 | -0.01 | -0.012 | t | 5924 | AYSMSFS WDWSGH NY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | -0.002 | t | 60991 | SSFFSYGEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.026 | -0.02 | t | 31141 | KHPIKHQG LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.005 | 0 | t | 40110 | LTPLEELY | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.031 | -0.023 | -0.02 | t | 158933 | KTFFHTIGF ASKSADDV K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.01 | t | 88083 | RNHKYDIK LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.017 | -0.01 | -0.008 | t | 100414 | QFINDQIK FI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 125538 | QQQFPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.021 | 0.021 | 0.02 | t | 40070 | LTNSKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 140840 | EAAYSKNR RAVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 17504 | FQNEKWD L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.017 | 0.01 | t | 138217 | PREQQFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.013 | t | 45597 | NQNNFVH DCVNITIK QHTVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 97231 | CNTKCQTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 68054 | VDREGRD NVRSGKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 58582 | SIKEDVQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 40922 | LYREFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.003 | t | 1022 | AEKQKAAE ATKVAE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.033 | t | 8475 | DGQPAGD RADGQPA GDRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 27291 | ILRKSRRFA QALPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.009 | 0.02 | 0.02 | 0.021 | t | 19268 | GEGAPP | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.052 | 0.05 | 0.049 | t | 73601 | YDVDPYAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.028 | 0.03 | t | 135931 | GDVEEAIE RAVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.01 | 0.013 | 0.01 | t | 156843 | AHSEMG T RATMT | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0 | 0.009 | 0.012 | t | 37354 | LLGNQSL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.051 | t | 105697 | CCAVLNG AY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.037 | 0.04 | 0.042 | t | 37029 | LKTAAESA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 118374 | GKALCWV CAQSRKH RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.009 | t | 41016 | MADNGTI TVEELKQ LEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 20088 | GGWGQP HGGGWG QG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.057 | -0.04 | -0.036 | t | 145729 | CPPDIIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0.002 | t | 134073 | GRTCPKPD DLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.045 | 0.051 | 0.051 | t | 39887 | LTEVETPIR NEWG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.024 | -0.007 | -0.008 | t | 58664 | SIPNGTYR AT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.003 | -0.009 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 50823 | QFYQKFP QYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.04 | t | 104348 | WHNAPNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.04 | t | 104348 | WHNAPNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 84461 | KLEFFTYLR FDLELT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.001 | t | 47289 | PEGRTWA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156919 | MLHTSM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.009 | t | 95161 | TYGKFCIKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.009 | -0.01 | t | 18053 | FTQCSTMN VVSRTLFR KSPIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.009 | -0.01 | t | 18053 | FTQCSTMN VVSRTLFR KSPIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.038 | t | 145831 | IPLGTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.006 | 0.011 | 0.011 | t | 46858 | PALTAET G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 72484 | WGNGCGL FG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.008 | 0.01 | t | 78925 | AGTYDFAI AAPQANA KIWIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.009 | -0.011 | t | 105163 | EFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.003 | t | 67615 | VAGRKKLE ELERDLRK TK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.003 | t | 63217 | TDQMEVD SGPRKRPL RGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.003 | t | 29852 | KALENKKK QLSAGGK NLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.027 | -0.02 | t | 108064 | PGPPGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 95371 | EYCSPDHN CQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 54402 | RKPARLIVF PDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 11286 | EDAKELLE SSDQILR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140836 | DEAAYSKN RRAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0 | t | 84184 | KASAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0 | t | 84184 | KASAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 78413 | HFYSGTER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 146990 | GPGTIKKIS F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 146906 | EVDHTNFK YNYSVIEG | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 146967 | GGPIGDTL EKISNEIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 72178 | VYVEELKP TPEGDL LQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 60722 | SRLGRSSA WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 72178 | VYVEELKP TPEGDL LQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 45768 | NSARARA DSCRI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 54786 | RLTENTEP LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 56807 | SAHGTSTG VRGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 56195 | RTTPDRQ AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 56185 | RTTADRQT A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 39349 | LSFNPTQL EEQCHI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 51847 | QPGVDIIE GPVKNA VPLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 45768 | NSARARA DSCRI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 41204 | MCQCQVQK YGTEFCKK RLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 43159 | NAGVLTC LSK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 59387 | SLPGQTKIL AKVFGYGEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 28676 | ISQAVHAA HAEINEAG R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 20097 | GGYGDGG AHGGGYG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 1367 | AFNQFGP NAGQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 8756 | DIPNPIGSE NSEKTTM PLW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.015 | 0.011 | 0.01 | t | 56888 | SALYVGDL CG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 135489 | QFPLGGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.02 | -0.007 | -0.008 | t | 52456 | QSYLRRTQ SMGIQL | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 112058 | AYWGQGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 135496 | RYPNQVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 139865 | QGAFASPI QLQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0 | 0.01 | 0.01 | t | 41284 | MDVRRIE G | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.022 | 0.03 | 0.03 | 0.031 | t | 125055 | FVYGGCQ GNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.04 | -0.048 | t | 108610 | RKALRLSA S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 119448 | EQHLPDD DKTMPSE RLDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.01 | 0.01 | t | 346 | AAPANDK FTVFEEAF NDAIK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.01 | 0.01 | t | 346 | AAPANDK FTVFEEAF NDAIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.038 | -0.03 | -0.03 | t | 82608 | GENKFVAT AASV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.013 | 0.012 | t | 23080 | GVNVPAG AGAAILTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.018 | t | 7381 | CYGVDPHI KVWDYAT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.02 | t | 37055 | LKVIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.02 | t | 37055 | LKVIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.039 | 0.04 | 0.041 | t | 65193 | TMEEINTL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.029 | t | 131652 | SFDSSNPE YFDGYWG YS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.019 | 0.023 | 0.019 | t | 99425 | LLDAIDKIA DDWDNR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.015 | 0.007 | 0.008 | t | 53894 | RGKDLPVL DQLTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.048 | 0.057 | 0.062 | t | 65565 | TPEVDDEA LEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 113942 | TQDENPV VHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.008 | t | 151671 | KLIVINGKPI TIFQERD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.046 | -0.047 | -0.051 | t | 22756 | GTLVRMA PVIG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.006 | t | 119673 | WNPDDYGVK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.006 | t | 124925 | YYVFFEEQ EDEIIGF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68369 | VETEDTKE PGVLMGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 113783 | QQSGQGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.009 | t | 74942 | YLTIGKNP DFKSTFAV LWEP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 123037 | AQPVRLFLE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 48382 | PLKPTKRS FIEDLLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.019 | -0.02 | t | 47054 | PCVREGN ASRCW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 81191 | DNIYTFVPEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 142449 | NNQNLSV VQALL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 1660 | AGRDLL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 72292 | WDEEDGEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.025 | -0.02 | -0.02 | t | 53763 | RFQEALKK SLKKP | Mus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 53763 | RFQEALKK SLKKP | Mus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.025 | 0.02 | 0.02 | t | 138138 | ALDLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.011 | -0.013 | -0.012 | t | 32708 | KPFQCAG VALSRCTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.013 | -0.012 | t | 32708 | KPFQCAG VALSRCTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105566 | VFFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.008 | -0.012 | t | 146852 | DVAVFAR GPQ AHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 21868 | GQGGSHS QWNKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134152 | LRRVLLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.065 | -0.06 | -0.062 | t | 131967 | LRLDCRHE N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 55477 | RQQWELQ GDRRCQS Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 79504 | ADCTTPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.043 | 0.044 | t | 78148 | ENQANPT TAET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.046 | 0.039 | t | 55174 | RPIDDFDQ GWGPITY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.011 | 0.01 | t | 51473 | QLPNVGIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.023 | 0.027 | 0.028 | t | 50504 | QDPDRRD PYSPSPYD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.008 | t | 74488 | YKPLGALT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.02 | -0.018 | t | 123437 | LKMWSDF LG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 130598 | RQFECYTT CVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.035 | 0.037 | 0.03 | t | 122145 | LTLFPSRDT PLSSQTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.03 | 0.023 | t | 115832 | KTGQFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.021 | -0.017 | -0.021 | t | 99194 | EFVDRLLS QIKSEGH | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 96102 | APLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.011 | t | 22357 | GSGVRGD FG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.011 | 0.01 | t | 66107 | TRTIGGSQ AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.003 | t | 71284 | VTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38022 | LMGGQSE SVEFTKDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.006 | 0 | 0 | t | 1584 | AGKREM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 107109 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.018 | t | 32818 | KPPFSGM TGCGNT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.028 | 0.04 | 0.041 | t | 40194 | LTDDATTF EEVATAEK LV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.016 | 0.011 | 0.009 | t | 8857 | DKEILYEAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.031 | 0.033 | t | 110733 | VGENVPD DLYIKGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 105228 | GLMVGGV V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 48093 | PKKPENK LKQPNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | -0.002 | t | 9757 | DPRVRGLY FPAGGSSS GTV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.04 | t | 2271 | AKQYNICC KFKELLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.011 | 0.026 | 0.02 | 0.02 | t | 35231 | LDNAKYQ A | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156859 | DPHVFKS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 10075 | DRYYREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.01 | t | 19503 | GFAVVLKA GNEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.01 | t | 19503 | GFAVVLKA GNEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.053 | 0.05 | 0.049 | t | 78938 | CAPGQNL CY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.03 | 0.031 | 0.032 | t | 8355 | DGAVQPD GG | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.03 | 0.031 | 0.032 | t | 8355 | DGAVQPD GG | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.019 | t | 55799 | RSAPRITF G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0 | 0.013 | 0.02 | t | 128115 | SSHRGNICI GATNYVA DN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | -0.002 | t | 78695 | KDTNNNL YNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 107147 | GIAGFKGE QGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 107147 | GIAGFKGE QGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.027 | -0.021 | -0.02 | t | 141792 | YYLWKQY NPTGKGID D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.033 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0.007 | 0.001 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.002 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.01 | -0.012 | t | 156861 | DSQKPCKC HCTMTQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.029 | 0.03 | t | 94743 | YGTDEWE QWW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.008 | 0.008 | t | 106821 | SDPAHKAR LE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 69175 | VKAETRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.002 | 0 | t | 50477 | QDIQPAV QASWPKV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.019 | t | 40724 | LYCGGPM FNSKGAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.006 | -0.007 | -0.01 | t | 97760 | VTLPSSGGA V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79219 | FWLAVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | 0 | 0 | t | 123397 | KSRIEDLPK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 115427 | PTQLEEQC HI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.011 | t | 72087 | VYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 51949 | QPRGGQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.022 | -0.011 | -0.01 | t | 101164 | QGEGGSR WTM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.043 | -0.042 | -0.051 | -0.052 | t | 8130 | DEQDYQIR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.042 | -0.051 | -0.052 | t | 8130 | DEQDYQIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 133373 | SPTPTPGP SR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 17368 | FPQPQQT FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 17368 | FPQPQQT FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98931 | PGDYDDD RRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108662 | TPEVKAED LQPAVD | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.008 | 0.01 | t | 135990 | SASVPALT AVET | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.009 | -0.009 | t | 18177 | FVGLFTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.022 | t | 113345 | DTPTLH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 6455 | CITQYERESQAYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 137387 | DFESCDSITGM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.004 | t | 16101 | FHENWPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 126897 | QSQQFSVSENLLKEA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.009 | t | 158910 | KNLDIDPKLQEYLGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | 0.003 | 0 | t | 70153 | VNPNNAAAL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 144791 | STIDYFQPNKR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.019 | 0.018 | t | 32585 | KNPFLFGSNRFETLF | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79245 | HCDSFWIPPPVCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107247 | TFGSGTRLTV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.021 | -0.01 | -0.008 | t | 111176 | CTSICKYPDYIKMVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.031 | 0.03 | t | 69905 | VLYREFDEMEECSQLPYIE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.011 | t | 141749 | SNLDHI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.035 | -0.03 | -0.03 | t | 52472 | QTAPKAPTEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.041 | 0.041 | 0.04 | t | 56386 | RVQYEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 72249 | WAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.018 | 0 | 0.003 | t | 41537 | MFSGGGGPLSPGGKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.088 | 0.09 | 0.092 | 0.09 | t | 110460 | YEQLNDSS EEDEIDG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135945 | KFGADAR ALMLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 141604 | APPDDGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144644 | FRQQHGTK TVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142447 | NKYRGTA GNALMDG ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142447 | NKYRGTA GNALMDG ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142448 | NKYRGTA GNALMDG ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 141611 | CETNTGEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135944 | KEQFEFAL TAVAEVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144616 | DPRYTCQREF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135942 | KDVKFGA DARAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144619 | DYIWNTL NSG | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 137161 | FTTYIIMN RWALGNL ACDLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 134112 | KDKATF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 138304 | ATVQLPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144639 | FAQAYAR GIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135958 | LTAVETGH TSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144700 | KEWAKRA ALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136474 | LLDTSNLEL PEAVVFQ DSVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136003 | TRKDINTV TTVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144816 | WSHNFTN MLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135990 | SASVPALT AVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136134 | ANGWGV MVSHRSG ETEDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135914 | EEIAQVATI SAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135650 | DKVSFFCK NKEKKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136397 | IQVVGDDL TVTNPKRI AKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144811 | VSWLSKE WAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144759 | RAALPSHV VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135999 | SQIATIEQT APS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 134136 | LKTPRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 141780 | WSKAHPP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136080 | RAGTDEGF G | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136415 | KFAGRNFR NPLAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144600 | CQREFALK HL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 141629 | EEEEEDGE M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136524 | NFREAMRI GAEVYHN LKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144783 | SHVVTML DNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136197 | EKGVPLYR HIADLAGN SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144823 | YWEGSGI GAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135897 | APKRP GPA GELL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135982 | RDRSGLAP KRP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136203 | EPLGLQCT FINDFFTY HIRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136011 | VPALTAVE TGHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144720 | LMKFVDSK SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136731 | VRVFQATR GKLSSKCS VVLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 141638 | EIHSKTKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 141722 | PDGPDGP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 141719 | NTEEYIDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144614 | DMMYGG MRGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 137313 | VLVNTFCD SCIPKTFW NLGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136421 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135711 | LDETVKDK LAKEQKSK QNI | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135710 | LAKEQKSK QNIGALKQ ELAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 141634 | EELQKREE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136419 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135983 | RLRPPEPR PRDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144652 | GMRGMK GLVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 151101 | AAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121998 | VPPALADF I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121527 | LCNEKLLK KARIHPFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117731 | AAFYKTFK TV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118806 | GGPDGEP DVPPGAIE QGPAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117907 | HKAFKGSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118381 | GKTCPKEI PKGSKNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121879 | SSQFDPNK QTPSGKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133787 | CQALVRM LAKKPGW K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 125229 | RDSEGDV AEKLGPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119855 | FAESRIRRE TIAAED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133841 | GRGNLDP GGGMEKD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133372 | SPSPTPTP GPSRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118514 | MASAARL TMMWEE | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118014 | MDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122947 | WTQEPQP LEEKWQH RVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 132067 | SLVLTNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131697 | TGTSSDVG GYNYVSW Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 123731 | SEESAEVA TEEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118105 | RKGHFLLS SKSGFWT WL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131437 | GASVKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118348 | FHSGKHY WEVDVTG KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118333 | EPVSIECG HSFCQECI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 125118 | KVAAEQSL ITVEGDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118549 | PEPAKSAP APKKGSKK AV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117742 | AKAQTDR EDLRTLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118994 | RGRGRGR GRGGGRP GAPGGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118809 | GGRPGAP GGSGSGP RHRDGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119608 | LGTWTYD GSVVAINP ES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117742 | AKAQTDR EDLRTLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121400 | IDNSNTPF LPKIFIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120738 | LAIRNDEE LNKLLGKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117888 | GQILDILVS RSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117745 | ALLRNLGK MTA | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120066 | LKQQWVD YNLKWNP DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117746 | ALREYRKK MDIPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118814 | GMMPAP HM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118004 | LRLSHLKPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117695 | YITTIAGV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131545 | LMKINS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118144 | SLCQSLRE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120641 | IQTAVRLLL PGELAKHA VSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118549 | PEPAKSAP APKKGSKK AV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119580 | FMESGEW VIKESRGW KH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117973 | LCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 123608 | PPAQPLSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118164 | STKQAAFK AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119579 | FKDYSSVV RPVEDHR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118947 | PFSAPPPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118827 | GSGPRHR DGVRRPQ KRPSCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121719 | PSGKKCIA AKKIKQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133776 | AGDLSKVD AKQPGDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119633 | QYTGHIT WTPPAIFK S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 123386 | KPKSQETP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118616 | SVSYDDW DYSLEARV | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133995 | AEVETDKA TVGFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120772 | LMLLAQM RRISLFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120727 | KYFPEVKT KGMAAVP KL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131369 | AWHQQQ P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131413 | ERILTIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118021 | MKCGMW GRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122874 | PPARALKR SLWVEVD LLIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 124604 | QIERDTER DRFLSAPE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131766 | YCQTWGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131688 | SYSCQVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118550 | PEPAKSAP APKKGSKK AV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119563 | EDHRQVV EVTVGLQL I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131686 | SYLSLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118335 | EQLRILGEK EAKLAQQS QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 132528 | PHGTQCL AMGWGR VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 132112 | VLLPAVDF SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121503 | KRLKISKKP KDPEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121754 | QKQEKKRL KISKKPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119598 | INPESDQP DLSNFMES G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 124068 | ELMALHT GQSLEQIE R | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122497 | NGSSESRR ALQDSQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 125357 | AEIETDKA TIGFEVQE EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121173 | CIAAKKIKQ SVGNKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 130448 | AYAKDVKF GADA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119274 | MNRWAL GNLACDL W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121925 | TPFLPKIFIK PNAQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131504 | KATLVCLIS DFYPGAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118554 | PPGIRGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117449 | CVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119011 | SGPEGSG GSGPQRR GGDNHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118648 | VCAVCRQ RFLKNLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 132526 | PGSHFCG GTLIHPSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133870 | LAKLAGGV AVICAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118185 | TSQFTGLK C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119925 | HFPFDEQ NGSMKLG TWT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121542 | LFKPPKYH PDVPYVKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118374 | GKALCWV CAQSRKH RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133798 | DKIRGEG MRYIIILD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 125515 | PDLTKVYS TDIFFILEIT DN | Homo sapiens |

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|---|------|---|---|---|--------|---|-------|---|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120857 | PATGGVK KPHRYRPG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 125413 | FRVTCDI QRIPSLPPS TQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 125386 | DVSQTSVT ALPSKGLE HLKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118930 | MSDEGPG TGPGNGL GEKGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122401 | HSEAETGP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131318 | VPSTPPTP SPSTPPTPS PS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122145 | LTLFPSRDT PLSSQTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117540 | KEEGSRSN LGWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.004 | 0 | t | 117736 | AEMKSLEE KIGCLLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121858 | SKLIKIFQD HPLQKTYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118824 | GRRPFFHP VGEADYFE YHQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117736 | AEMKSLEE KIGCLLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121357 | GTQVHGTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117594 | NWHQLH GKKEAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131412 | ERGLRYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 130538 | LDVPPALA DFIHQQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 132729 | VVTFFCRP HNICTFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121034 | VHPDTGIS SKAMGIM N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118189 | TYYIKEQKL GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118217 | VTKYITKG WKEVH | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122135 | LDSRRSYR VRESGLNG VVKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117456 | DGQFCH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121945 | TYKTGHGL RGKLKWR P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133822 | ERPLKQIA FNGGLEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118948 | PGAIEQGP ADDPGEG PSTGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133638 | LTSRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117910 | HLLTNHLK SKEVWKA L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 132575 | QMRGNP GSHFCGG TL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131010 | PSTRWTEL DDVKRLLK GSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 132099 | TLNELPNR T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117509 | GQIPPGA M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133871 | LAKLGGAG QAARAGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 125411 | FQGLCNET LTLKLYNN GFTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121589 | LRKFKNISY FPGKLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 125540 | QSLRQRKS VNALNSPL HQEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131358 | APSVTLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122271 | ASRETKEL RQEERQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120711 | KQLATKAA RKSAPAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131365 | ATLVCLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131753 | WKAPSSP | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120930 | RYRPGTVA LREIRRYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120612 | IFNLFSTKD SSAAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122825 | KSTAKDCT FKPDFEMT VKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118133 | SESQTLDK VYQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119741 | AIFKSYGEII VTHFPFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119641 | SEHETRLV AKLFKDYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121161 | AVEKVKRT KDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 133795 | DFTYDQV AFNGLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 123851 | WTEVSEV ATEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118817 | GNGLGEK GDTSGPE GSGGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 125395 | EHLKELIAR NTWTLKKL PLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121112 | AACDPRH GRYLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118770 | DPGEGPST GPRGQGD GGRRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 118158 | SRNLYDIG E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121136 | ALAVTKYK QRNGWS HK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131344 | AIGDRSKT DRENSVSI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 128512 | EGPPPKDT | Homo sapiens |

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|---|------|---|---|---|--------|---|-------|---|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120699 | KMFPEVKE KGMAALP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 131657 | SGLQAEDE ADYYCSSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122198 | TEADVNP KPIPSQMPT SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122173 | QSIQQSIE RLWCRLW PLPFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 132262 | ELNVTVVT FFCRPHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119013 | SGSPRRRP PPGRRPFF HPVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122377 | GLPRLETP ADLSTAIA SRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119004 | RRPQKRPS CIGCKGTH GGTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.004 | 0 | t | 117948 | KFVETPGQ KYKETDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120168 | RGWKHSV TYSGGPD TPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121347 | GPLTVAQK KAQNIME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 120682 | KILPEVKEK HEFLSRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121444 | KAKSETFR LLHAKNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121499 | KQKKHLNT QQLTAFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 121715 | PNKQTPS GKKCIAAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117781 | DCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117779 | CVSYRNPA E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 119837 | ELIPSTSSA VPLIGK | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 114207 | FLGELTSSE VATEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115631 | NVRFSDEG GFTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 103834 | CPRDLNGK SGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 107856 | GGQGSRH QQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117140 | DWEYSVW LSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 112319 | SKIFKLGGR DSRSGSP MARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115784 | HRTFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 116927 | AVCRTSM CSIQSAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 113209 | VIVEMNSS VEAIEGSH VSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 104798 | GERAKRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 114973 | VHFFKNIV TPRTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 108874 | DPISGHVS LF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 109767 | QPLKEQPA LNDSTRYCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 109865 | RSLDFQAT TMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115601 | DPFYWVS PGVLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117315 | KALSVETE KLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115912 | QAPEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 102316 | AQVATISA NGDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115153 | MKGVVCT RIYEKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 106990 | VYATRSSA VRLRSSVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 109938 | SPRSGDLS VY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117141 | FQFFQRD AEELEKW | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115603 | ELKVEDPF YWVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115653 | SSYAGQFR VIGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117246 | VTWEVLE GEVEKEAL KKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 108498 | KIHAREIFD SRGNPTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115628 | LPCRISPGK NAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 110082 | VYFCASSF STCSANYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 109427 | KPISGHNS LF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 112945 | DSYTLTEEL AYAEIRVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117348 | PTRAPSGP RPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 106634 | LVGPRGER GFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115607 | GPRHPIRA LVGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 107896 | HSTSQEG QDTIHHG RGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 107087 | ARGLTGRP GDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 107892 | HSASQDG QDTIRGHP GSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115057 | GLSLSRFS WGAEGQR PGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115639 | QFRVIGPR HPIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 109917 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115598 | ATGMEVG WYRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115626 | LKDAIGEG KVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115832 | KTGQFL | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 104926 | PDGSRLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117366 | RRREGPDR SPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115677 | AHRET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 104938 | PSRLVNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 106675 | NEEGFFSA RGHRPLDK K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117315 | KALSVETE KLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 108834 | CKPISGHN SLFWYRQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115619 | IRALVGDE VELP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115649 | SPGKNAT GMEVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 116024 | VTLRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115633 | PPFSRVVH LYRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117300 | GSGKGKV QFQGKKT KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 107799 | DSGHRGY SGSQASD NEGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 109948 | SRYCLSSRL RVSATFW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 108844 | DAGVIQSP RHEVTEM G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 114941 | RQDENYEE AIVHLKVA ALGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115645 | RNGKDQD GDQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115605 | GDEVELPC RISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 107800 | DSRGNPT VE | Homo sapiens |

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|---|------|---|---|---|--------|---|-------|---|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 113912 | TCFFRDHS YQEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 114746 | ASQKRPSQ RSKYLATA STMD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117329 | MAVPETR PNHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115785 | HSYQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 105031 | VRGRGSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 108363 | FLAEGGGV RGPRVVER H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117333 | MVTSTITE KLLKNLVKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.004 | 0 | t | 108834 | CKPISGHN SLFWYRQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115674 | ADARM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115591 | APEYRGRT ELLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115148 | KAVSEKKA KGLGESRK DKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 108125 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 113081 | LSYSHSDY DLGKRPTK DSYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115658 | VGWYRPP FSRVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115600 | DHSYQEEA AMEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115056 | GLSLSRFS WGAEGQR PGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115657 | TLRIRNVR FSDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 74871 | YLPVGGLR RIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 65050 | TLRVYK | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|--------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 96211 | EDKKRKEE EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 96455 | KGKNVLIN KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 63098 | TCRRMLAF LKDKENR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 32159 | KLSEGDLL AEIETDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 34833 | LAKLAGGV AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 29197 | IVAGGGVT LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 29342 | IVLGGGCA LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 14426 | ETIGTLKKI LDETVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 34836 | LAKLSDGV AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 32159 | KLSEGDLL AEIETDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 11081 | EAIPALTA VETGHTSQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 32159 | KLSEGDLL AEIETDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 23171 | GVTLQAA PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 8930 | DKLKQQR DTLSTQKE T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.006 | 0.013 | 0.019 | t | 121071 | YAINSEQS KE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.019 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 136392 | IPKSRKRRI PQR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79383 | SCDVFLTM FYPGCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.017 | -0.01 | -0.01 | t | 153904 | VVEQLGH ETQIHQIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.03 | t | 134696 | ITLYLTEK | MD |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.036 | -0.036 | -0.03 | t | 35962 | LFRQFYQL DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.033 | -0.03 | -0.03 | t | 36991 | LKPIFKLPL GINITNFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.025 | -0.027 | -0.03 | t | 35193 | LDKAFHLL L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 5780 | AYFYPELF RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133737 | VTPYFSYP VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.003 | 0 | 0.002 | t | 74068 | YGPQVDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.051 | t | 72534 | WHETDST YFRLP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.014 | -0.02 | t | 65953 | TQTPVNG NSPWAPT A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 65974 | TQYERE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.058 | 0.063 | 0.058 | t | 95563 | LNTVNGTT RTVN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 10801 | DWEDRY RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.027 | 0.022 | t | 125284 | TYICEVED QKEE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.04 | t | 119913 | GSLDSLRR EIEQMRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.033 | -0.04 | t | 119913 | GSLDSLRR EIEQMRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.04 | t | 119913 | GSLDSLRR EIEQMRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.033 | 0.032 | t | 68900 | VIAEHQFK E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.011 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123225 | GGATPVV G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.018 | 0.03 | 0.033 | t | 114142 | PQKSQRS QDEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.018 | 0.018 | 0.03 | 0.033 | t | 114142 | PQKSQRS QDEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.061 | 0.063 | 0.07 | t | 110884 | HEYMLDL QPETTDLY CYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.061 | 0.063 | 0.07 | t | 110884 | HEYMLDL QPETTDLY CYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.061 | 0.063 | 0.07 | t | 110884 | HEYMLDL QPETTDLY CYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.009 | t | 122289 | CSNSSSQ FQIHGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.017 | t | 922 | AEGEFDYA WDQTHQ DPAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.002 | -0.019 | -0.023 | t | 57860 | SFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.002 | -0.019 | -0.023 | t | 57860 | SFP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.01 | 0.01 | 0.012 | t | 20012 | GGSGGSV ASGGSVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | 0.001 | 0 | t | 107087 | ARGLTGRP GDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.011 | -0.01 | t | 29897 | KANADAK AAYEAAV AANNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111351 | GLQPPPG GTLED TYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111351 | GLQPPPG GTLED TYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.011 | 0.01 | t | 1460 | AGCLIGAE HVDTSYEC D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 28912 | ITGHRMA WDMMM NWSPTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.049 | -0.043 | t | 130922 | KGMLPDP KNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.011 | -0.01 | t | 42633 | MSPVNKS FEIEVTCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0 | 0.001 | t | 50621 | QEIPQPQ W | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.014 | -0.021 | t | 109245 | GSAGAPGI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.035 | 0.039 | 0.04 | t | 78876 | VLLGRKW EDEVD DPE SYF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.035 | 0.039 | 0.04 | t | 78876 | VLLGRKW EDEVD DPE SYF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.039 | 0.037 | 0.031 | t | 122194 | STVQDCV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.012 | t | 7313 | CVTIMTVD NPASTTNK DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 103426 | MTLLELSD FVKKFEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 78177 | HVTDLDE FL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21408 | GNDYEDR YYRENMY RYPNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.007 | 0.003 | t | 119641 | SEHETRLV AKLFKDYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.027 | 0.027 | 0.027 | t | 115485 | SGEPTSTP TTEAVEST VATL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113779 | QQPGQG QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113779 | QQPGQG QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | -0.003 | -0.001 | t | 110828 | EIDGPAGQ AEPDRAH YNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 97020 | TVTRGTIS DP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.013 | -0.023 | t | 131898 | GRPLSVQ QQMMMQ SR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.017 | -0.017 | t | 115540 | VKNKRTFL SPWISNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.1 | 0.098 | 0.1 | 0.101 | t | 114234 | TQDENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.013 | -0.021 | t | 129659 | PTQYPPGR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.02 | t | 69049 | VINMSLG GPSGSAAAL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.033 | -0.031 | -0.03 | t | 75661 | YRPPNAPI L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.02 | t | 50307 | QALIDQKV KEISNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.021 | t | 122377 | GLPRLETP ADLSTAIA SRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.007 | 0.01 | t | 36444 | LHYTAVVK KSSAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.009 | -0.011 | t | 56804 | SAGRSTGS LVRLFAPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 152777 | LLNIDKDIR K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 147290 | SKSYTSILY GNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103687 | VCAVDMP YLTVELIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112336 | SSQSVLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.067 | -0.053 | -0.049 | t | 35956 | LFREDGSA CR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 95414 | GLDLNVN VFR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.013 | -0.019 | t | 144697 | IYRNLYWE GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 60116 | SPLLGCIGS TCAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153837 | HGRLVTLK DIVLDLQP | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153837 | HGRLVTLK DIVLDLQP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.029 | t | 119845 | ESDQPDL NFMESGE W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.032 | 0.03 | 0.029 | t | 119845 | ESDQPDL NFMESGE W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.029 | t | 119845 | ESDQPDL NFMESGE W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.032 | 0.03 | 0.029 | t | 119845 | ESDQPDL NFMESGE W | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.029 | t | 119845 | ESDQPDL NFMESGE W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.032 | 0.03 | 0.029 | t | 119845 | ESDQPDL NFMESGE W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 60795 | SRSEER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.022 | t | 19626 | GFTDRAF WVCPGVV C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 70162 | VNPTYGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.023 | -0.021 | t | 66932 | TVAEEHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.027 | -0.029 | t | 144816 | WSHNFTN MLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.023 | -0.031 | t | 126757 | NKPLITVT NSKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.058 | t | 99945 | DIRDLSSEE E | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | -0.001 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102371 | DSVFYLDN LLPSTLDYF TYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.018 | t | 133638 | LTSRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.013 | 0.011 | t | 139499 | FGEFSFQY DCSSWGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 56273 | RVEFLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.006 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156909 | LAHPFTP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106780 | RKYFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.033 | 0.036 | 0.04 | 0.04 | t | 55627 | RRKLTNPA NKEES | Mus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 1109 | AENSAPTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.007 | -0.01 | t | 20391 | GIPDGWP | Felis catus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.049 | 0.052 | t | 153265 | ILETLPANP PPASTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.007 | -0.01 | t | 94613 | NNPTCWA ICKRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.008 | t | 14907 | EVWVTPVI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.02 | 0.02 | t | 46165 | NTLQNQGA | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 32889 | KPTDG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 95300 | DALNEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 10853 | DYAWDQTHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.027 | 0.028 | t | 6722 | CNRAFNPVCGTDGVTYDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 41233 | MDIDPYKEFGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156877 | GLHSGIQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 118824 | GRRPFFHPVGEADYFEYHQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 118824 | GRRPFFHPVGEADYFEYHQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0 | t | 38753 | LPVGQIRNVPHPFVA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 63831 | TGGAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.023 | -0.02 | t | 122138 | LKKDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.009 | 0.013 | 0.013 | t | 33450 | KSNAATSYINAIINSKSVSD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.004 | 0.013 | 0.012 | t | 12259 | EGRFSQDAD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.023 | 0.02 | t | 78845 | TATKQAEA AAPVVESKWRA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.017 | 0.01 | t | 6918 | CRFPNITN SHVPILQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 42696 | MSTNPKP QRKTKRNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.012 | -0.003 | 0 | t | 79867 | INNLEVELI RGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.037 | 0.03 | 0.028 | t | 132869 | LSPLGEEM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.029 | t | 131075 | SQSYPEPA RGSVPMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.02 | -0.02 | t | 159035 | NRFEHQM WESVRDE LN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 125055 | FVYGGCQ GNN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 75151 | YNGEEYLIL S | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 26619 | IIPDREVLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.003 | 0.01 | 0.01 | t | 25654 | IDQLTADK AKADAELA A | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136686 | TLHDMGIF SITSSDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 147083 | LCSEYRNT QIYTIN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134333 | CIPIPSSW AFARFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151816 | CLTSQAAK QRLE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 150200 | FGEHKQEK DLEYGAC | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140033 | HDFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136686 | TLHDMGIF SITSSDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151609 | DETPMRG ETRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 152057 | QAARQRL EPGRN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140256 | KYEQGGNI ID | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136686 | TLHDMGIF SITSSDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140479 | KHGLLSM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151817 | CLTSQAAS QRLE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138840 | DREQAPN LVYM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134702 | KEKKYS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141963 | MVDRGW G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140026 | FVFNKLD MFSRANR KRKA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136315 | GGGTGPA DGTNATTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140479 | KHGLLSM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141786 | YGEESRR GDLAALAR RV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141726 | PTAPPLLP HS | Rattus norvegicus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134767 | QDPYVKE AENLKKYF NAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140258 | KYEQGGNI VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140488 | MSLLGHK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 150163 | DGYPTFGE HKQEKDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137759 | NQEDAEAI THLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136686 | TLHDMGIF SITSSDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 152903 | PYSDFEKV TGRIDKNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 153251 | AKAFSYW TPFDGKSL YSST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134685 | GVSSYMK VSICLPMD VE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 152917 | QLPELKQK SSNSRKKR STSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 149403 | PCKSNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136353 | HGNAEVH ASFFDIGG S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145725 | CKQAGTC PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135576 | LRYSTGTV SG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140258 | KYEQGGNI VD | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137180 | GVSAAQE KISFG | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140489 | MSQDGHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 146337 | IPEEIKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140507 | TKTWQSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138047 | SSKPVSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141523 | ALEPPHNL PVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135586 | PFMLAQF DG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136315 | GGGTGPA DGTNATTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141622 | DPNGWTG TDNNFSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 150204 | FHSVHTL LEWLMEK ELMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137284 | RTNTTQG KVPSQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 150858 | ISSLYNLVK SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145841 | KEDFRYAIS STNEIGLLG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151601 | ADLSLEKA ANVQWD E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 143362 | ETPLMKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140254 | KYEHGGNI ID | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134337 | CYCQDPYV KEAENLKK YFNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140510 | TTTHFLAT KFYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136341 | GTTMPLH AAPHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145704 | AEGLT TTWKDYDHN LQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134418 | KGAIIGLM VGGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136315 | GGGTGPA DGTNATTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 143362 | ETPLMKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141620 | DNPRPND KTGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135572 | LLCEDGCL AL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140167 | AYNNGQEI NGFKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145831 | IPLGTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140461 | EVSLHDM NLATH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 152777 | LLNIDKDIR K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 149989 | TRNSSKPA KRKKIKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140378 | TAEETKQ | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136749 | WMLRAAE EYSMNLG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136749 | WMLRAAE EYSMNLG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134860 | AGPKAQV EAIQKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134335 | CTKPSDGN CT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134478 | PSCCCTKP SD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141706 | MLEPFQIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 139725 | EMRTRIRY NRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145827 | IIPKVEGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134557 | TCTIPAQG TSMFPSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140381 | TKTVNENK QNVDKVK A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136827 | DFGSVGG VL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140247 | KAAESEIEK LTTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134337 | CYCQDPYV KEAENLKK YFNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 150108 | AGGTGTE DSHPYKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137401 | FEDVW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151895 | GSPSQDG YWSFF | Sus scrofa |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141761 | TAPPLPH SNLD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 150850 | GY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136315 | GGGTGPA DGTNATTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141760 | TAPPLPH | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 149247 | AEQQWAL YADGSIRP Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141758 | SWRNNILR TQES | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135587 | QESYSSKK L | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138097 | YPYPLIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137180 | GVSAAQE KISFG | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 139358 | VLKTDVНК E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 146624 | WNWFDIT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140081 | YFVPNLKD MFSRAVT MTAAS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140459 | EHWSHD MFSPGD | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136484 | LPSSSTPF LSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134804 | TIFILCCSK EKRRKKQA AT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134784 | RKRSQML FRGRRASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 139324 | TRLIDERA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137286 | RVTAAQG RIYTR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151944 | KFPSESRP NVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 146795 | CCELCCNP QCAGCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141605 | APPLLPHS NL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 153294 | TYNHDYKT GMVIYSPF MTYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138194 | IIPKSSWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140144 | ADVEADD FKGLGLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138892 | REQAPNL VY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134472 | PLLPGTST STGPCKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134133 | LGGAKQA GDV | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141750 | SNLDHILE PSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141701 | LNDKHSN GTIKDRSP YR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 156905 | KPGDPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135562 | IHAMDIPP PTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140053 | MEDDYNL KDMFSRA VTM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140458 | EHNDFPM YTWRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135560 | IEQAIGRV TPIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138089 | WLRPPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 153472 | TGLRNGIT NKVNSVIE KAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151842 | EHSGQAA WKQVV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138088 | WLDLSKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140248 | KAGETIYDI DEDGTITK KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125411 | FQGLCNET LTLKLYNN GFTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130637 | WSSCVFSV SYCL | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119143 | EPTITFGTA I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123838 | VWQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118963 | PNYKVVN YAVTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119187 | GNAEVHA SFFDIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131879 | FLVAHTRA RAPSAGER ARRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122083 | DPNIKLV DDCWATS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127986 | FVGVGAD YRHASCPI DYIIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123849 | WQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125055 | FVYGGCQ GNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125321 | YFLHWWY DKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119601 | KGNNVHG FQKQIIRSF Y | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122842 | LLDLPRDL GGMGCSS PPCE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegic us |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130449 | CFFPNLSY C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130474 | ECLLLSKYC MPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 124069 | ELQIAKDE RYGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119187 | GNAEVHA SFFDIGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 124713 | SGEQPSDE QPSGEHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125415 | FSPDGKPC TPPALNCY W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132039 | QYFVGKRT VPPGECFI QFLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127984 | FTNLKFKV RKITSSHR GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119038 | TSTNGIKKI LIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133707 | STRKEEKQ RNGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125608 | YYKKHIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130454 | CLFPNNSY C | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125127 | LDPENLTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119135 | EGVKYVLN ETTNWLW AFLAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130568 | NQYCIYAG RYC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127933 | APDDSFKK LEDRTNL KF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125454 | KDYKTMV KFCN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130622 | TGLVAQG TDSIG | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130555 | MHNRTQA LEDSR | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127944 | DLVNCNL NTNCVAV AFSLPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122291 | CTYILDPEK LTLRATYD N | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125051 | FQSKANCL NT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128135 | VCTPKSDE FNPCEDIM GYKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133272 | PFFSQPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125318 | WWYDKK DNTC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130457 | CRQPGNN YC | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133722 | TSKSKYPL VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125607 | YVSIDVTL QQLESHSF YNLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122292 | CTYILDPEK LTLRVPYK A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 125610 | YYVFEEQ EDEIIGFG QELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128043 | LDAMPAG NPAFPVIP G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130787 | EDFDIYDE DE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 118963 | PNYKVVV YAVTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 126201 | GYKEKSKF QDTHNNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125109 | KKDNTCS MFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 124232 | GSITRDSIF RLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128084 | QKNACSF DLCNSYDV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119322 | QRVFKEKV DTKAPEPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133676 | RIYMRMK HVR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123979 | CGTAKRVT GNQAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131710 | TPDAPGET V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 124925 | YYVFEEQ EDEIIGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 125610 | YYVFEEQ EDEIIGFG QELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125448 | IRGILESLM CNESSMQ SLRQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130487 | FCQPHLSC YILP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128146 | WSVCVGL TTYVNDYV LPYLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125441 | HPLTCDDP RFQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128136 | VFIADSDG KLNFKES VCVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122202 | TSPPLLWD SVHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125267 | TCSMFVY GGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131101 | TDSEMDV VRFDDDN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130461 | CWNYCLP | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130614 | STLPYLPTY SKH | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130610 | SMCMHG GAYCFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122790 | HQEEDFR VTCKDIQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122857 | MGCSSPP CECHQEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122857 | MGCSSPP CECHQEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131582 | PEEDDITW TSDQRHG VIGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125552 | RRFEYDDP RFLRLDLA QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 121292 | FATFVYAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125552 | RRFEYDDP RFLRLDLA QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130469 | DQPPTSrv PSLR | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125297 | VFFEEQED EIIGFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130612 | SPNTAHIT SKSL | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130513 | IGYQPSMP LDMP | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108846 | DALQFVC GDRGFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110116 | YCAPLKPA KSA | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111486 | LIEESAIINA GAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 100153 | INDQIKFII N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111772 | SGFSITTST DTTPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99975 | EEKELLKRI Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107202 | LKFVEQNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110198 | CPPDIIPKV EGKTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99975 | EEKELLKRI Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110198 | CPPDIIPKV EGKTIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115406 | NRKVKPTT EGGVETE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106429 | FVLPWRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 100549 | TEEKEFLKK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115302 | IVTAGEER AVTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103998 | IVKWDRD M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110275 | GPVGPSD PSIVSLVEE TSFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105651 | AEFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 110424 | SGTGGRT GYIPLGTR PPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115540 | VKNKRTEL SPWISNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111486 | LIEESAIINA GAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 113913 | TCKQAGT CPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 98434 | RYMDQPS RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104327 | VEQHNPIN AGTELSAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111790 | SLVEETSFI DAGAPTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115488 | SKDNGWE KDDNVSKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115265 | GKDITADN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108832 | CGDRGFYF NKPTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107307 | DAEFGHD SGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115351 | LKQKSSNS RKKRSTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102510 | HHQKLVFF AEDVGSN K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108412 | GTTDHVG VPTYDWG K | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104132 | MSENVEQ HNPINAGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108482 | IINPSENG DTSTNGIK K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103972 | HNPINAGT ELSATGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111486 | LIEESAIINA GAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111486 | LIEESAIINA GAP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104175 | PINAGTEL SATGNESG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104327 | VEQHNPIN AGTELSAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108998 | FVCGDRG FYFNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 98093 | HGFTEQN SG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 110980 | QPLGVGIS GHPLLNLK DDTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 100635 | VTNYLVDG NG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103886 | EQHNPINA GTELSAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110424 | SGTGGRT GYIPLGTR PPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 116080 | ATGGTLQ QLFYSTITV GQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107156 | GLAGAPGL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110980 | QPLGVGIS GHPLLNLK DDTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111013 | RTGYIPLG TRPPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115058 | GNAEVHA SFFDIGGS | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 112316 | SIKNPTNA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106642 | MHLNTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 111380 | GTGSGTG GRTGYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99760 | VKDGYIVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99945 | DIRDSLSEE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 112352 | TGNKYPGY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105319 | LVFFAEDV GSNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 109177 | GPETLCGA ELVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108600 | QLINTNGS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105163 | EFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106634 | LVGPRGER GFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111381 | GTGSGTG GRTGYVPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110812 | DPVGPLDP SIVSLVEES SFI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102344 | DAEFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110733 | VGENVPD DLYIKGSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 98093 | HGFTEQNSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103643 | TGALQERSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110308 | KTCKQAGT CPPDIIPKVEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 111013 | RTGYIPLG TRPPT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106646 | MHLTQSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110385 | QLYKTCKQ AGTCPPDIIPKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110385 | QLYKTCKQ AGTCPPDIIPKV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108551 | NDSLNTGFLAFLFYTKK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 117220 | LYKTCKQAGTCPPD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111211 | DPVGPSD PSIVSLVEETSF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117220 | LYKTCKQAGTCPPD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110385 | QLYKTCKQ AGTCPPDIIPKV | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105021 | VHHQKLV FFAEDVGS NK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110812 | DPVGPLDP SIVSLVEES SFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67373 | TYKADGET ATEKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75418 | YPTFGEHK QEKDLEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 64698 | TKWCPPG QLVNLHDF RSDEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74430 | YKAYVSYK KRKAQEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 64698 | TKWCPPG QLVNLHDF RSDEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79292 | LKTDLELKY KQTADFS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60722 | SRLGRSSA WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67253 | TWEVLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 69175 | VKAETRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70729 | VRGLYFP | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 62264 | SVNPKMV R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75923 | YSWKTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67253 | TWEVLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60917 | SSAVVDNK LKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94580 | LDNKYAGK GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74476 | YKLPDHVR T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78615 | CPGHANR KQCGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65421 | TNSGINNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 62077 | SVDFEED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 87356 | PNCHGPD WASPVQC RHS | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 93007 | INNGLPPI QNTRNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71506 | VTSTLTSLF RPGASQKI QL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 69178 | VKAETRLN PDLQPTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97484 | LVEETSFID AGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79287 | LEVTVML NKRLPDSR TS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73433 | YARFMDT DPDRYGIL PSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73433 | YARFMDT DPDRYGIL PSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 76606 | YYSPAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78627 | DPDPPDA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 95058 | AGLQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61801 | STNSGINN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65238 | TMPFSPDF SNVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 62730 | SYTVTNLV QTQSQVQ | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.002 | t | 62730 | SYTVTNLV QTQSQVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78629 | DQKPPSR QSQIESR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70437 | VPPTQSKK KNKNET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 82891 | GSPNCHG PDWASPV CQRHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71693 | VVIANNV DKFVSWG ITDFEM | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73021 | WRCVVYP GNGFVSAS IFGFQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 62150 | SVIALGSQ EGALHQAL AGAI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | -0.002 | t | 78843 | TAAQITAG IALHQS NLN | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.002 | t | 78843 | TAAQITAG IALHQS NLN | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94513 | FHPDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72911 | WNSTTFH QTLQDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64985 | TLNPTI | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60623 | SRALRGD MANLTNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71490 | VTSGSTKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78635 | EKIERNNK LKQPPPPP NPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 77827 | AKALKVEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 69178 | VKAETRLN PDLQPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94491 | DRGWGN HCGLFGK GSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78638 | EKSLTSLSE VVLQNR GLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72320 | WDMMM NW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74009 | YGGPANK KNAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66060 | TRLNPD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 69183 | VKAVTTLL KA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72911 | WNSTTFH QTLQDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94661 | QPDFGGF WDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71284 | VTEEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71284 | VTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 69183 | VKAVTTLL KA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67875 | VCRQGVV DRGWGN GCGLFGK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 82657 | GGYEFLLA NDVDNSN PVVQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70489 | VPSYSFIRA HDSEVQD LIA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61783 | STNKAVVS LS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 77970 | PQTQQFIP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 76290 | YVHDNC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 62353 | SVTEEIAEE DKSVTEEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66841 | TTTCFRDT DTGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70489 | VPSYSFIRA HDSEVQD LIA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 61945 | STTNKDK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75951 | YTASARGD LAHLTTTH AR | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 96367 | HSNLDHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64010 | TGYRYDSR TGFFATN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61589 | STEQNVP DPQVG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66304 | TSLNDRQ GNATK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70489 | VPSYSFIRA HDSEVQD LIA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 93172 | KTSLWKE MQYNRDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79054 | QPDGGQP AVRNERAT | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | -0.002 | t | 79054 | QPDGGQP AVRNERAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70489 | VPSYSFIRA HDSEVQD LIA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78836 | SPKRIGTG DR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97650 | SLLTEVET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 77974 | PVKDSSKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 76275 | YVFYSGNG PKASGGD YCIQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72065 | VYKLDISEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78001 | SEGLKEET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75923 | YSWKTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61589 | STEQNVP DPQVG | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61589 | STEQNVP DPQVG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63562 | TETPLRKH FNLTPV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79040 | PGQNLCYT K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78424 | IPRSRQIDL QIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63562 | TETPLRKH FNLTPV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68837 | VHDCVNIT IKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94483 | CYKKVWR DHRGTIER GC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66539 | TTASGKLIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78011 | SPSTSASS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78115 | DDPPATVY RYDSRPP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71693 | VVIANNV DKFVSWG TDFEM | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63250 | TDTRKDIN TVTTVAQS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 61589 | STEQNVP DPQVG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61589 | STEQNVP DPQVG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 96854 | SAPSISTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97484 | LVEETSFID AGAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94743 | YGTDEWE QWW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97484 | LVEETSFID AGAP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75696 | YSAGGTG RRGDLGPL A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70050 | VNATKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78107 | ATYQSEYL AHRRIPP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 69178 | VKAETRLN PDLQPTE | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73385 | YALADASL KMADPNR FRGKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73385 | YALADASL KMADPNR FRGKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 69178 | VKAETRLN PDLQPT | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78707 | KLRLRLKQ R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | -0.002 | t | 79026 | MSDGAVQ PDGGQPA V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79026 | MSDGAVQ PDGGQPA V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 66649 | TTIHELLVR MKRAELYC PRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 80002 | RKADLEKA LEGAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63970 | TGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67214 | TVWRNRE TLMEFEFP HATKQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60783 | SRRGDLGS LATRVATQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78159 | GALATYQS EYLAHRRP PP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66649 | TTIHELLVR MKRAELYC PRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 66649 | TTIHELLVR MKRAELYC PRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61945 | STTNKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64545 | TKEEVPPA DLSDQVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66108 | TRTNPWP ALAEGEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60722 | SRLGRSSA WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61945 | STTNKDK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73131 | WTGVAQ D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 96102 | APPLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61945 | STTNKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79009 | KTWCD WCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78711 | KQYDPDR P | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74497 | YKQKIIAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63697 | TFLARG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78044 | TTASSMSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 95142 | RIKNTDGSIS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63022 | TATRLLSST NSRLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65684 | TPPHSARS KFGYGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73132 | WTGVTQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellus |

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|---|------|---|---|---|---|---|---|--------|---|-------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73132 | WTGVTQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73132 | WTGVTQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73132 | WTGVTQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73132 | WTGVTQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64534 | TKDASIDYHE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 91165 | CCELCCNPACAGCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97348 | GLFGAIAGFIEGGW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63736 | TFQVEVPGSQHIDS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 96874 | SIAPDLSLDFEKLNV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDLQVLAQKVARTLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDLQVLAQKVARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61779 | STNDNIKDLLDWYSSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70390 | VPNLRGDLQVLAQKVART | Cavia porcellus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79437 | TTQATLITS PFTFSYIRE DD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67605 | VAGLEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 62340 | SVSVGMP PSPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78177 | HVTDLDKE FL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79217 | FTWSWES GKYTTETF ATNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94741 | WEQWW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75776 | YSKFN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 95058 | AGLQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65535 | TPDNNQT SPARR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66850 | TTTGNV APS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78946 | DAWCGR GK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 65535 | TPDNNQT SPARR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 91109 | AHFVQQT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72143 | VYQVNNL EEIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 62997 | TASNKNR GIKTFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 91100 | AFQTPVHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43152 | NAGGNAG GNAGGNA GGNAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51772 | QNTEEME NLSDRVAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57542 | SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49539 | PSTSSKLRP RWTFTSPP VTT | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48715 | PNVDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51772 | QNTEEME NLSDRVAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 60415 | SQDRHKQ KIIAPAKQL L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46960 | PASTTNKD KL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47108 | PDHVRTK GPGRCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56699 | SAAFYYRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48147 | PKSGKELG ETQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38946 | LQPGKTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45416 | NPNANPN ANPNANP NENPNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55825 | RSELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38919 | LQNDPTT NVA | Mus musculu s |

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|---|------|---|---|---|-------|---|---|--------|---|-------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40739 | LYDSYAYYG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45407 | NPNANPNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44978 | NMGLIAGAVG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51371 | QLINTNGSWHIN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50759 | QFGGHNSVDFEEDT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47063 | PDCAICWEPSPPWAPPE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39182 | LRRDLASREAKKQVEKAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | -0.002 | t | 43233 | NANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38918 | LQND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57569 | SENHGNYSAQVGASQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50931 | QGPGAPQGGPGAPQGGPGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58802 | SKDVKIEVYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50396 | QAYQQGVTVTD | Oryctolagus cuniculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57569 | SENHGNY SAQVGAS Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40619 | LVTVNPV SVATANS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43212 | NALSFTNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58582 | SIKEDVQF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45405 | NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43191 | NAKATYEA ALKQYEAD LAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58783 | SKAFSNCY PYDVDPDYA SL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52425 | QSRRRGD MST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.002 | t | 53839 | RGDLQVL AQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43242 | NANPNAN PNANP | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 45931 | NSNNKEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60415 | SQDRHKQ KIIAPAKQL L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59374 | SLNTGWL AGLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59374 | SLNTGWL AGLFY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56657 | RYSRNAV NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48536 | PLYISNPN Y | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59374 | SLNTGWL AGLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51286 | QLAKDKV NE | MD |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57812 | SFKVTALN VVSRRYLA SLHK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38522 | LPHSNL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57608 | SERQPSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56885 | SALTSAIA GFVFSC | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49450 | PSNQDSF QWQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43246 | NANPNAN PNANPNA NP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56885 | SALTSAIA GFVFSC | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44978 | NMGLIAG AVG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39504 | LSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46094 | NTFYCCEL CCNPACA GCY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56657 | RYSRNAV NV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46094 | NTFYCCEL CCNPACA GCY | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51393 | QLKLNWF KKGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46094 | NTFYCCEL CCNPACA GCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56657 | RYSRNAV NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46094 | NTFYCCEL CCNPACA GCY | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49015 | PQIPP NW HIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | -0.002 | t | 46094 | NTFYCCEL CCNPACA GCY | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45202 | NNNSTNS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49015 | PQIPP NW HIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46094 | NTFYCCEL CCNPACA GCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45303 | NPASTTNK DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44142 | NHGNYS A QVGASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59210 | SLKAVNPS DPLVYKRQ TAKF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59210 | SLKAVNPS DPLVYKRQ TAKF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46094 | NTFYCCEL CCNPACA GCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44142 | NHGNYS A QVGASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 37656 | LLPHSNLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51775 | QNTRNIVP VSIVSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58409 | SHSAFNM FDFGVGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40110 | LTPLEELY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51775 | QNTRNIVP VSIVSR | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49772 | PTSGDKID MTPRAGV LMLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46095 | NTFYCCCL CCYPACAG CN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58923 | SKPTTKQR QNKPPSKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40111 | LTPLEELYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38434 | LPDKFNAY LANKWV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56564 | RYKQKIIAP AKQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50666 | QEPIVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58416 | SHSQLGPP VGGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44865 | NLSDAHKK NLYDHAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46677 | NYNWKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43589 | NEECTKLK GESGYCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51390 | QLKLDWF KKGSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57320 | SDYEDRY REN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57306 | SDVEGLQ NDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48597 | PNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50884 | QGILFLQW VRDIIDDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 44865 | NLSDAHKK NLYDHAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56565 | RYKQKIIAP AKQLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43190 | NAKATYEA ALKQYEAD L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57303 | SDVAGLEK DPVAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48027 | PKALFTQQ GGAYGRC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57292 | SDSSFFSY GEIPFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43576 | NEDNEKLR KPKHKKLK QPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39092 | LRGDLQVL AQKVARTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48620 | PNDPPP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57754 | SFFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41019 | MADPNRFRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41019 | MADPNRFRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54003 | RGTPPAYG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44250 | NIIRTKKQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57864 | SFPMNEESPLGFSPE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39092 | LRGDLQVLAQKVARTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39092 | LRGDLQVLAQKVARTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 39092 | LRGDLQVLAQKVARTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 39092 | LRGDLQVLAQKVARTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43190 | NAKATYEAALKQYEADL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47427 | PESRESLAWQTATNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57766 | SFFSYGEI | MD |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41608 | MGPNLVL PDQKPPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56657 | RYSRNAV NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 56602 | RYNRNAV PNLRGDL QVLAQK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56602 | RYNRNAV PNLRGDL QVLAQK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57864 | SFPMNEES PLGFSPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56583 | RYLQEKYN LYNSDVF GKVQ | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54058 | RHKQKIVA PVKQTL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56657 | RYSRNAV NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54057 | RHKQKIVA PVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 54057 | RHKQKIVA PVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46006 | NSTLGVKS AREF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45420 | NPNDPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41126 | MASLIYRQ LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56599 | RYNLVFSG DSDRICSN RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 55952 | RSRSESSIE SF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43177 | NAINPRLT PWTYRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59757 | SMSYTW TGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44251 | NIISCNKN DKNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43227 | NANDPP | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 53838 | RGDLGPLA AR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 42264 | MPDHALR PQYSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 53122 | RAISSWKQ RNRWEW RPD | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60116 | SPLLGIGS TCAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45630 | NQSTVKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58422 | SHSVTKSL RVFGGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50872 | QGGNIVDI DFDSVP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43085 | MYRYPNQ VYYRPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 37657 | LLPHSNLD HI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44904 | NLTQHPSA PTMP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43764 | NETIYNTLKYGDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46008 | NSTNSGIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 44904 | NLTQHPSA PTMP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11821 | EENVEHD AEENVEH DA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13912 | EQQRYLN NFRFIELV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 23269 | GWLAGLF YQHKF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 18707 | GANTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17470 | FQEPFWLE DG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11821 | EENVEHD AEENVEH DA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 19983 | GGQPAVR NER | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19983 | GGQPAVR NER | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24006 | HHPITDSD QTRLY | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22494 | GSRYPGQ GSPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17470 | FQEPFWLE DG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 33780 | KTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 34933 | LAQKVART LP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 34933 | LAQKVART LP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32570 | KNNNSTN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 34341 | KWYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21763 | GPRLQPY | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21763 | GPRLQPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 29378 | IVNTLNEIY RYLYVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 34965 | LASLRKAF ADTVPVVRP PSNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 23973 | HGYEKPEE LWTAKSR VHPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12219 | EGLQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 14670 | EVDNEQP TTRAQKLF A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30349 | KEEKEEKE EKEEKEKE KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17408 | FPSPYYSP AFTKGKDV DL | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 23269 | GWLAGLF YQHKF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 27113 | ILIRGIHHV L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12951 | ELAPEDPE DS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 14670 | EVDNEQP TTRAQKLFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13482 | ENHTKFTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14670 | EVDNEQP TTRAQKLFA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17642 | FRRYQEER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11819 | EENVEHDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 25807 | IEFQQKNN RLLEITREF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13460 | ENDVLNQ ETEEEMEKEK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12225 | EGLTATTF EEDGVAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14749 | EVKKKSDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 18363 | FWRGDLV FDFQV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12951 | ELAPEDPE DS | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 14670 | EVDNEQP TTRAQKLF A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21553 | GNYNKY RYLRHGKL RPFER | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17187 | FNKTLME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 15961 | FGDKLIIPD IEKYQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10648 | DVKTGAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 34965 | LASLRKAF ADTVVPRP PSNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 23934 | HGPDWAS P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31069 | KGTFDPLQ EPRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31069 | KGTFDPLQ EPRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14670 | EVDNEQP TTRAQKLF A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10803 | DWEDRYR RENMYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 29138 | ITVNPVTE KDSPVNIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 29138 | ITVNPVTE KDSPVNIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32535 | KNKLEEK AKAMININ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11814 | EENVEENV EENV | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12248 | EGQKSAVT EY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 28075 | IPSTAFTDI AWVRLPN HY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21763 | GPRLQPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 22756 | GTLVRMA PVIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30902 | KGAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22756 | GTLVRMA PVIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19723 | GGESSEEL SESSFFNLI T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19623 | GFSYYRPP WIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 28299 | IRGDTFAT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21084 | GLQN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 28331 | IRLRHENK DLKARLEN AMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13688 | EPLEPFPT QIHKDYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 29899 | KANGNGS GDNGDTT W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 32280 | KMADPNR FRGKDLPV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 28075 | IPSTAFTDI AWVRLPN HY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13688 | EPLEPFPT QIHKDYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24564 | HPYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21928 | GQPAVRN ERATGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 36413 | LHQPPPQI FLKILPQSG PIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 23510 | GYYPSPDP NTFFYAPP YSA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 23269 | GWLAGLF YQHKF | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21191 | GLVGLLTP GAKQN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22784 | GTPNPNP NPNPNPN PGTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 27997 | IPQPQWT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24243 | HLKYATYP PYPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 26849 | IKMVSSLK TKIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 25146 | HWYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13899 | EQPTTRA Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30036 | KAYSNCYP YDVPDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 23526 | HAEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14592 | ETVKTNKK NVTVQEL DLQAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22401 | GSLAAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14592 | ETVKTNKK NVTVQEL DLQAR | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 13900 | EQPTTRA QKLFAMW RI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13900 | EQPTTRA QKLFAMW RI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31018 | KGNCSGPT TIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 33163 | KRIPNKKP GKKTTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14670 | EVDNEQP TTRAQKLF A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19023 | GDLGSIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10770 | DVVGVR L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 26024 | IEYKVQFA TK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19266 | GEFPRHVK LKNEIENLL DQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12992 | ELDLQARR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19620 | GFSPEEME AVASKFR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22813 | GTSESTET SEVSTYSMS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11723 | EEKKVPINL WLDGKQNTVPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 30716 | KFDWNTPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 34290 | KWEDSTST LTISADSKKTKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30716 | KFDWNTPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 13899 | EQPTTRAQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 20179 | GHRMAW DMM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30299 | KEALDKYE LENHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30716 | KFDWNTPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11723 | EEKKVPINL WLDGKQNTVPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11815 | EENVEENV EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | -0.002 | t | 27997 | IPQPQWTP | Mus musculu s |

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|---|------|---|---|---|-------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17135 | FNCLGMS NRDFLEGV SGATW | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10801 | DWEDRYR RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10539 | DVAGLEK DPVAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32280 | KMADPNR FRGKDLPV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19481 | GEYGEVTV DCEPRSGI DTNA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 27997 | IPQPQWT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 28313 | IRHQMVL QL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22282 | GSAMSRP MIHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | -0.002 | t | 27997 | IPQPQWT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 27675 | INKRKYDS LKEKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19983 | GGQPAVR NER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4149 | ARGSLAVT I | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.002 | t | 4149 | ARGSLAVT I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9103 | DLGPLAAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 1822 | AHTTSDP WHPPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4702 | ASQKIQLV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4149 | ARGSLAVT I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5507 | AVPNVRG DLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7461 | DAADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9526 | DNPASTT NKDKL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 1547 | AGHATLRE HLRDIKAE NTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 428 | AASEALDP HAFHLLN TYGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9516 | DNNLVSG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9621 | DPEDSALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8567 | DHSDLVAE KQRLEDLG QKFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 3825 | APSSPGTP GVAAATQ AANGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9106 | DLGSIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 89 | AADKPTLD IRMMNIE A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 7850 | DDPPATVY RYDSRPPE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6015 | CAPESIEFP VSEARVLE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 9557 | DNTVRET | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7850 | DDPPATVY RYDSRPPE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10171 | DSLSEEEKE LLNRIQVD S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 9557 | DNTVRET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 8355 | DGAVQPD GG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8355 | DGAVQPD GG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 33 | AAAGAVV GGLGGYM LG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5109 | ATPYHPPA TP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 632 | ADASLKM ADPNRFR GKDLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7629 | DARSVNG EFPRHVKL KNEIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.002 | t | 8356 | DGAVQPD GGQPAVR NERA | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9018 | DLAHLTA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6093 | CDCDRTA A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8356 | DGAVQPD GGQPAVR NERA | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10069 | DRYIPYSP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 89 | AADKPTLD IRMMNIE A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 89 | AADKPTLD IRMMNIE A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4401 | ASFFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 3275 | ANETIYNT TLKYGDVV GVNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.002 | t | 6139 | CDSSDRPR VYTIT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.002 | t | 4149 | ARGSLAVT I | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9585 | DPAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6479 | CKGKIQAL CENPEWA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6226 | CFGNSEY | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4038 | AQPVKIDN ASPAST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9524 | DNPASTT NKDK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.007 | 0 | -0.002 | t | 103166 | FEKVVNKE SLVISGLRH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 114149 | YGSLPQKA QGHRPQD E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.01 | t | 114149 | YGSLPQKA QGHRPQD E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.01 | -0.012 | t | 156935 | PLSKMHI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.054 | 0.052 | 0.05 | t | 70952 | VSGGSWV DIVLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78398 | GLKND SA VLVYL VGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119621 | NVFSCSV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 125791 | CSFWSKYI QTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.028 | t | 138315 | DAFGGVYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.027 | -0.013 | -0.01 | t | 11439 | EDSGSSRK KITCECTK PDS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.01 | t | 120407 | APGYKHEI KYNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.019 | -0.02 | t | 470 | AATRFMK DLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 4210 | ARPDYNPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.003 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.022 | t | 111790 | SLVEETSFI DAGAPTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.04 | -0.029 | -0.031 | t | 65863 | TQGVVKE RRWTLVN ENRPIW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.02 | 0.021 | 0.018 | t | 99874 | AEDVGSN KGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.021 | t | 135569 | KTNMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105163 | EFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104461 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.023 | -0.03 | t | 123636 | PVGPAPG MRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 28742 | ISTEPFPN QKHKDLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 28742 | ISTEPFPN QKHKDLQ | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.002 | 0.013 | 0.01 | t | 70437 | VPPTQSKK KNKNET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27727 | INQQLNPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27727 | INQQLNPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27727 | INQQLNPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.048 | 0.04 | 0.04 | 0.038 | t | 156939 | PPEKSHL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.043 | 0.05 | 0.05 | t | 125799 | DDDRYSDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 137556 | QGEGMTG ISYPGCPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117049 | NYKSPLFA VPMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117049 | NYKSPLFA VPMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7061 | CSQHLPYI E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.031 | -0.018 | -0.019 | t | 67569 | VAEKVRNL PA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.053 | 0.06 | 0.063 | t | 111039 | TGVPIDPA VPDSSIVPL LES | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.022 | 0.03 | 0.032 | t | 48771 | PPETTTIP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.004 | 0.01 | t | 30318 | KECEKYYK EKKGRER | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.07 | 0.073 | 0.065 | 0.07 | 0.07 | t | 52313 | QSESVFT KDTQTGM S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.004 | -0.008 | t | 48981 | PQDVKFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.033 | t | 110941 | MHGDTPT LHEYMLDL QPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.039 | -0.042 | t | 119910 | GQYFAKPR NQGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 97348 | GLFGAIAG FIEGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0.001 | t | 132064 | SLLGQLSG QV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 32470 | KNEEEIAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.027 | 0.037 | 0.041 | t | 3474 | APAEPEAP APETEKAE EVEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 74476 | YKLPDHVR T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.03 | t | 91203 | DNLAPMS DGAVQPD G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.053 | 0.057 | 0.05 | t | 124702 | SDDNYDK TED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.019 | -0.023 | -0.02 | t | 44268 | NIKPLEDKI L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.021 | t | 133531 | CDTLKPGE C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 137882 | GQNVLSA D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.019 | -0.02 | t | 63551 | TETFLRGFL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.038 | t | 145841 | KEDFRYAIS STNEIGLLG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | -0.003 | -0.001 | t | 66457 | TSTFTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.018 | -0.02 | -0.023 | t | 9595 | DPALLLM HELIHVLH GLYG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.018 | -0.02 | -0.023 | t | 9595 | DPALLLM HELIHVLH GLYG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.022 | t | 11199 | EATALDTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 45464 | NPRENKLK QPGDRAD GQPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.01 | t | 4268 | ARTGEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.008 | 0.02 | 0.022 | t | 7765 | DDEHVEEP TVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.047 | -0.052 | t | 120772 | LMLLAQM RRISLFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.042 | -0.03 | -0.028 | t | 95920 | TNVARP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108508 | KSGPIDIIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78208 | MPTKSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.021 | t | 40194 | LTTDATTF EEVATAEK LV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 143959 | KFPHLAVG F | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.01 | t | 60413 | SQDPYSPS PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.013 | 0.01 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142201 | KGLRRDL ASREAKKQ VEKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.018 | t | 51830 | QPFPSQQ PYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 131865 | EPLEVFISA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.018 | t | 122129 | KTVTVKED QVMQQN PPKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.017 | 0.01 | 0.009 | t | 75543 | YQRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.007 | 0.01 | t | 27960 | IPNGTYRA TY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0.003 | -0.003 | t | 39172 | LRQAILCW GELM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.02 | -0.01 | -0.01 | t | 58403 | SHRGVIAD NQAKWA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 58403 | SHRGVIAD NQAKWA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | -0.001 | 0 | t | 66382 | TSQDGNN HQFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.008 | -0.013 | t | 149255 | ALDKWD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144820 | YLEDWIKY NNQK | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|--------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 156903 | KNRGIKTF SN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108155 | TDHGAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 116085 | EPANPSEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99921 | DAEFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103496 | PRGYPGQ V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107084 | AKFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107228 | REEFRHEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105163 | EFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68320 | VEQHHRR TD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64031 | THGQWN KPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74117 | YHLENEVA RLKK | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51147 | QIVGGVYL L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45932 | NSNNPDW DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14435 | ETIYNTTLK Y | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24591 | HQLDPAF GANSTNP D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11571 | EEEDDDM GGLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.041 | 0.037 | 0.04 | t | 121054 | VTGEVIFQ TPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.069 | t | 110916 | KLDDTENA SAYAANA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.06 | -0.053 | -0.06 | t | 121776 | RARARAR A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.044 | -0.04 | -0.04 | t | 42676 | MSTLNTH GAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.044 | -0.04 | -0.04 | t | 42676 | MSTLNTH GAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.039 | t | 115317 | KKILDKVG I N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.033 | t | 59714 | SMMPQLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.021 | 0.02 | t | 66144 | TSAEGDLV GWSPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 67931 | VDEKKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 149084 | NPTQHSY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 30151 | KDGEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.029 | -0.014 | 0 | 0.002 | t | 127731 | LSQSPLVL RSSP | Trichosu rus vulpecul a |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0.002 | t | 134217 | RNVILFSVF DENRSWY LTEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.017 | -0.017 | -0.022 | t | 29379 | IVNTLNGF YRSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.001 | t | 105232 | GSNKGAI GLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 61818 | STPGIVI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 67299 | TWVAGVF VYGGSKTS LYNLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 53881 | RGGSRERA RGRGRGR GEKRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 47636 | PGEGPSTG PRGQGDG GRRKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 53963 | RGRGRGE KRPRSPSS QSSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 58193 | SGPRHRD GVRRPQK RPSCIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 22447 | GSPPRRPP PGRRPFFH PVGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 18587 | GAGGGAG AGGAGAG GGGRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.045 | -0.037 | -0.04 | t | 95308 | DGKGYER GHI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.013 | -0.021 | t | 108212 | WPPSFYW HPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.011 | t | 73634 | YEDRY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|--------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.037 | 0.03 | t | 113212 | VPVLSAKA AQASDLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.029 | 0.03 | t | 90599 | WLQEGKG ENKFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.014 | 0.002 | 0.003 | t | 157091 | ANIKGVPT RAET | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.032 | t | 19375 | GENK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 66509 | TSYVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.009 | -0.01 | t | 21497 | GNPNRPD GGILT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 107441 | HQNWLD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.019 | 0.029 | 0.03 | t | 19118 | GDSSNAG T | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.019 | 0.029 | 0.03 | t | 19118 | GDSSNAG T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.003 | 0.01 | t | 119508 | QFIGYPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 6457 | CITQYQRE SQAYYQR G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 118557 | PPPGMRG P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 36042 | LGAALLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.019 | 0.019 | t | 28350 | IRNVPHPF VALGLKQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.021 | t | 108164 | TLVCLATG FFPDHVEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.018 | 0.03 | 0.03 | t | 34927 | LAQEAGN FERISGDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.013 | -0.014 | t | 46488 | NVSVSPSP STPLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.022 | -0.011 | -0.01 | t | 51078 | QIHTLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.028 | -0.009 | -0.008 | t | 58195 | SGPSGPSG TSPSSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.028 | 0.034 | 0.038 | t | 57661 | SEVEDVIP EGWKADT SYSAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 50846 | QGDRRCQ SQLERANL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 50171 | PYSPSQDP YSPSPYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78397 | GLKNDSA VLVLVGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 7680 | DAWREGE EFVVEFDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 65678 | TPPAYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112855 | TTPLTNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.011 | t | 133748 | YNAELLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.022 | -0.009 | -0.01 | t | 44602 | NKSTLQNR RAAVS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.028 | t | 136436 | KPVVGMPI VEVW | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.018 | -0.021 | -0.019 | t | 139500 | FHTHISV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.029 | t | 131932 | KKEKPFSN SKVECQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.029 | -0.02 | -0.02 | t | 78635 | EKIERNNK LKQPPPPP NPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.034 | -0.033 | -0.033 | t | 49015 | PQIPPNW HIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.077 | -0.061 | -0.063 | -0.07 | t | 109948 | SRYCLSSRL RVSATFW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.02 | t | 126331 | ISLRPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.017 | 0.009 | t | 125453 | KDRLQGM APAAGAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 66932 | TVAEEHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 66932 | TVAEEHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.031 | 0.04 | 0.04 | t | 45603 | NQPGVHI QVFEGERA MTKDC | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 45104 | NNFVHDC VNI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11447 | EDTKEPGV LMGGQSE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11447 | EDTKEPGV LMGGQSE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 151816 | CLTSQAAK QRLE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.003 | -0.009 | t | 124068 | ELMALHT GQSLEQIE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.047 | 0.05 | 0.051 | t | 20047 | GGTEIKYN GE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.022 | t | 151609 | DETPMRG ETRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.006 | 0 | 0 | t | 33125 | KREMAI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.008 | t | 11313 | EDERTLTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.002 | t | 149364 | LGGPSGSA ALKAAVD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79646 | SLPTLTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45004 | NMMKYIS PPIFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45004 | NMMKYIS PPIFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 45004 | NMMKYIS PPIFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45004 | NMMKYIS PPIFL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45004 | NMMKYIS PPIFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.017 | -0.02 | t | 144700 | KEWAKRA ALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.028 | 0.03 | 0.03 | t | 20288 | GIGVTQN VLYENQK QIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.009 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.045 | 0.05 | 0.05 | t | 78703 | KKKKTDEA QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.008 | t | 123856 | YCDYCDTY LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.008 | -0.007 | t | 98694 | ALQTLPA MCNVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.031 | -0.031 | -0.03 | t | 56365 | RVMYASS GIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.03 | -0.02 | -0.018 | t | 6762 | CPFIKPEVK PGTPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104895 | LVEALYLV CGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 79528 | CPSKKPYE EVTC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79524 | CHTTATIPS SAVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79619 | NHPPKRQ PG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79619 | NHPPKRQ PG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 79619 | NHPPKRQ PG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79525 | CKMWAD AFTSSRGK VVECG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 58783 | SKAFSNCY PYDVDPYA SL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 58783 | SKAFSNCY PYDVDPYA SL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19637 | GFTTNEPR YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.047 | -0.043 | -0.04 | t | 11275 | ECWKNAV FDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.027 | 0.021 | t | 119598 | INPESDQP DLSNFMES G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.007 | 0.001 | t | 119466 | IRGERA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 129193 | KYYRMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118536 | NITDHGSLI YSFSECAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140907 | TVSYGEEK PAVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 8566 | DHSDLVAE KQRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.017 | 0.02 | t | 73233 | WVVKSTP ASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.065 | -0.07 | -0.07 | -0.07 | t | 49275 | PRVVYKA AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | 0.003 | 0.001 | t | 142141 | EIDGPAGQ AEPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135947 | KTGHPRYF NQLS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 61394 | SSTKNLIY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 61394 | SSTKNLIY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0.001 | t | 117773 | CNSRQTDREDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0.001 | t | 56335 | RVKTRWRMH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.006 | 0.001 | t | 3274 | ANETIYNTTLKYGDV | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 115497 | SSNICNISCD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 115530 | VAGTWYSLAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 10782 | DVVSTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.058 | 0.06 | 0.06 | t | 118338 | ESEESDDDMGFLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7238 | CTTSGFASLFRLGPSQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.039 | t | 125250 | SDEFNPCE DIMGYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 98729 | DIQKVAGTWY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0.005 | 0 | 0 | t | 74374 | YISPYFINTS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.005 | 0 | 0 | t | 74374 | YISPYFINTS | Mus musculus |

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|---|------|---|---|------|--------|--------|--------|-------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 43237 | NANPDPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.014 | 0 | 0 | t | 73577 | YDQLVTRV VTHEMAH A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.03 | 0.03 | t | 120167 | RFQSSAV MALQEAC EAYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.018 | t | 18994 | GDGRQTIT NPAYDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 130455 | CQGNQDS FTPVVCAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.012 | 0.01 | t | 20657 | GKPALVPD KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.035 | 0.039 | 0.04 | t | 72688 | WKLQPGD D | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.019 | 0.017 | 0.01 | t | 112422 | YWASTRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 13899 | EQPTTRA Q | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 13899 | EQPTTRA Q | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 13899 | EQPTTRA Q | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.047 | 0.04 | 0.04 | 0.04 | t | 13899 | EQPTTRA Q | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 106646 | MHLTQSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.003 | 0 | t | 31553 | KKGSGGIT VK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.008 | -0.003 | 0 | t | 31553 | KKGSGGIT VK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.023 | -0.033 | t | 134701 | KEIRKLQKS THLLIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.033 | t | 134701 | KEIRKLQKS THLLIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.039 | t | 144619 | DYIWNTL NSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.033 | -0.033 | t | 106089 | RRHQSQR PPRRFQG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132929 | WGENNY M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.011 | 0.02 | 0.02 | t | 49691 | PTLDHVLD HVQT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.023 | t | 140582 | PWATLVA ES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.047 | 0.05 | 0.054 | t | 61997 | STVTEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.009 | 0.01 | t | 10824 | DWSERIRE FM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 46859 | PALTAVET GATNPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.05 | -0.03 | -0.028 | t | 14678 | EVEEIVRD GLVRSHFH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 78405 | GPGMKND LVPPPSLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 32648 | KPAIIPDRE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.028 | -0.021 | -0.02 | t | 83781 | INPWDSKS DYLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.009 | -0.003 | -0.001 | t | 132984 | AIQNIRLR HENKDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.025 | -0.033 | -0.041 | t | 104286 | SRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 128038 | KSPKKAKA AKPKKAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 128038 | KSPKKAKA AKPKKAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.007 | 0.008 | t | 6314 | CGLRAPQ RCDLDVES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.01 | t | 57608 | SERQPSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.035 | -0.02 | -0.02 | t | 111347 | GLFFPDKR PKYNLNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.021 | 0.02 | 0.019 | t | 121471 | KIFQDHPL QKTYNY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.051 | -0.039 | -0.04 | t | 44002 | NGIRRPKH LYVSMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.003 | t | 28911 | ITGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.018 | -0.023 | t | 52121 | QQQPFPF QQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.036 | 0.04 | 0.04 | t | 41057 | MAKNEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.011 | -0.019 | -0.02 | t | 42965 | MVLLQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.02 | -0.021 | t | 122886 | RGTDEYFI RKPP | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.002 | 0 | t | 113400 | FKLGGRDS R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 52106 | QQPQQSF PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 52106 | QQPQQSF PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115824 | KIAKYIPQ Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | -0.001 | t | 97018 | TVTFKATA AT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.009 | t | 134200 | PVVNSLDP PLLTRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.033 | 0.027 | 0.029 | t | 15529 | FEFPPPT DE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.01 | -0.003 | -0.003 | t | 30243 | KDSKSRGA T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.009 | -0.01 | t | 50156 | PYQGSGK GVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.02 | t | 149434 | QPQPFLP QQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.019 | 0.02 | 0.02 | t | 63818 | TGFADPNT TTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98999 | SGTIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 58928 | SKQDIGAL KQELAKKD EGNK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.038 | 0.032 | t | 110974 | QDIVLHLE PQNEIPVD LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.045 | 0.04 | 0.04 | t | 146471 | NFDIPEEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110618 | GPVGPAG GPGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.039 | 0.042 | t | 2550 | ALGALGRF DEAMQD Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.033 | 0.039 | 0.042 | t | 2550 | ALGALGRF DEAMQD Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.015 | -0.017 | -0.013 | t | 131104 | TGALFKHS ENYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52692 | QVETEDTK EPGVLMG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52692 | QVETEDTK EPGVLMG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 97065 | VPKVTKEK PT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.01 | t | 40611 | LVTKDIDF D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 47045 | PCSICSNN PTCWAICK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.033 | 0.03 | 0.03 | t | 141098 | VERSESAL F | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 47546 | PFPQPQQ QLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.039 | -0.03 | -0.028 | t | 79815 | EVMLRAV FMQQR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 104225 | RPAVIPDR EVLYQEFD EMEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 134789 | RRQGWLK EIRKLQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135899 | ASLYHVYE VNLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.03 | t | 60535 | SQQPQQP FPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.03 | t | 60535 | SQQPQQP FPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.029 | 0.03 | t | 70946 | VSGDPRG RYEDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.011 | t | 73634 | YEDRY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 117591 | NTHLKAVK MTLKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.007 | -0.01 | t | 51529 | QLRRKLEF FTYVRFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 35083 | LCPFGEVF NATKFPSV Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.017 | 0.023 | 0.023 | t | 100321 | NDQIGDSL YSAMTV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | -0.003 | -0.001 | t | 115107 | SENSEKTT MPLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | 0 | t | 5931 | AYSPASKT F | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.011 | -0.01 | t | 47136 | PDLERYAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.022 | t | 17365 | FPQPQFP PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 114941 | RQDENYEE AIVHLKVA ALGS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.053 | 0.039 | 0.038 | t | 138862 | KFPED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.027 | 0.028 | t | 106557 | KEKEPSKG CCSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.011 | 0.011 | 0.01 | t | 744 | ADPPFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.029 | 0.027 | 0.028 | t | 98174 | KNETPEVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.027 | 0.028 | t | 98174 | KNETPEVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.01 | -0.01 | t | 120172 | RKIPKRP SVHRTPSR Q | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.001 | 0 | t | 70133 | VNNKN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.01 | -0.01 | -0.01 | t | 11819 | EENVEHD A | Aotus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.042 | -0.041 | -0.04 | t | 38923 | LQNQGA WP | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.033 | 0.028 | t | 121879 | SSQFDPNK QTPSGKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.065 | -0.06 | -0.058 | t | 133676 | RIYMRMK HVR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.008 | t | 12625 | EKAFREL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.031 | t | 159026 | NLAIHSDL SYWIESRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.056 | -0.06 | t | 115601 | DPFYWVS PGVLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 134077 | GYYPSPD NT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.017 | 0.018 | t | 114918 | PNATDKE GKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 103716 | VRERMTT QDVEAITP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 106909 | TISQLYSS PSP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.012 | -0.019 | -0.021 | t | 29147 | ITWIGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.01 | t | 131100 | TDSEMDV VRFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.049 | 0.048 | t | 13984 | ERESQAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 142200 | KGLRRDL ASREAKKQ LEAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.028 | t | 108202 | VVSHFND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.003 | 0.021 | 0.022 | t | 136315 | GGGTGPA DGTNATTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.01 | -0.007 | -0.01 | t | 156860 | DRWNSM WKESLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.001 | 0.003 | -0.001 | t | 99529 | PGQAGQK QILLDAID | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.019 | t | 131904 | HCQICHCD VVNLTCE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.006 | -0.01 | t | 118432 | ISIGYHYPP ICLGRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.035 | -0.044 | -0.052 | t | 33732 | KTKIPAVFK I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.077 | -0.071 | -0.072 | t | 1165 | AESPKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.004 | 0 | t | 123565 | NVKDYYQ KWM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | -0.001 | 0 | t | 60795 | SRSERR | Marmot a monax |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 115392 | NICNISCD KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.018 | -0.003 | 0.002 | t | 95834 | SGPSGTSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.031 | t | 153415 | LPKFHKSP HFYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.023 | 0.023 | 0.018 | t | 31504 | KKDGYPVE YDNCAIYI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.036 | 0.031 | 0.03 | t | 69517 | VLGSQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.032 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0.006 | -0.001 | t | 4912 | ATCMQVN LEIMTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.035 | 0.033 | 0.04 | t | 115135 | YSYDVNST EKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72805 | WLTEKEGS YP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14457 | ETLGALAS AIKETFEEG TC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 20838 | GLFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24012 | HHPSTNQ EQTSLYVQ AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 20838 | GLFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24012 | HHPSTNQ EQTSLYVQ AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 20838 | GLFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22755 | GTLVKTIT DDQIEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.052 | 0.05 | 0.05 | t | 71006 | VSKEEQYY DYEDAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.011 | -0.01 | t | 45589 | NQMHML SNKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.038 | t | 145832 | IPLGTRPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | -0.006 | 0 | 0 | t | 27932 | IPLLRTQ | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.057 | 0.059 | t | 64600 | TKKNYSEL DDEEPME LDYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.049 | 0.05 | 0.05 | t | 34065 | KVKEISNQ EPLKI | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.07 | -0.059 | -0.061 | t | 25138 | HWRCPPR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.013 | -0.01 | t | 21883 | GQHPAKS M | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 53209 | RASLETTN QAIEAIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 124702 | SDDNYDK TED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.023 | 0.028 | t | 122167 | PPPITQGE CKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 76617 | YYTKDTNN NLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.01 | t | 76617 | YYTKDTNN NLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | -0.002 | t | 37657 | LLPHSNLD HI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112282 | QYLSSFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.029 | 0.03 | t | 46349 | NVDENAN AN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.007 | 0.022 | 0.023 | t | 98969 | QQPISQQI LQQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.01 | t | 24918 | HTHADGE VHC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.009 | -0.009 | t | 78924 | AGPEWLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153474 | TLITHIAPYI QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.026 | t | 140014 | DSDVGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.03 | -0.04 | -0.043 | t | 60032 | SPEKPHFP LA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.014 | -0.02 | t | 28134 | IQALSYAL GGDINKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 78416 | HPWWTW VSDPNAT QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 78416 | HPWWTW VSDPNAT QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.03 | -0.017 | -0.01 | t | 128067 | NYVADNF FYNVEGR WGSQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.02 | 0.019 | t | 122895 | RWLPPVY EDGFS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | -0.002 | t | 12184 | EGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.011 | t | 97023 | VATRSQTD TSEKDC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.021 | 0.04 | 0.045 | t | 34537 | KYNDDDT FTVKVGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 51391 | QLKLNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 40563 | LVRMKRA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.018 | -0.02 | -0.02 | t | 40563 | LVRMKRA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 106850 | SLQQLYDE YPGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 54431 | RKTKRNTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 67916 | VDCSRFPN A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.048 | 0.05 | 0.047 | t | 6341 | CGRECGIK KGSSGYC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.048 | 0.05 | 0.047 | t | 6341 | CGRECGIK KGSSGYC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.027 | 0.028 | t | 6722 | CNRAFNP VCGTDGV TYDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.017 | -0.02 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.041 | -0.031 | -0.03 | t | 47491 | PFFRKYFG NDTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.011 | -0.01 | t | 45602 | NQPGHL | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.007 | -0.011 | -0.01 | t | 45602 | NQPGHL | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.009 | -0.013 | -0.01 | t | 25224 | IAAISM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.037 | 0.038 | t | 106378 | EEVKTTTEQ KR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.011 | 0.007 | t | 153251 | AKAFSYW TPFDGKSL YSST | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.041 | -0.04 | -0.042 | t | 78115 | DDPPATVY RYDSRPP | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 158602 | PLELSVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78225 | PFSNLDFM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99325 | IAVPTGVAFWLYNDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.009 | t | 72484 | WGNGCGLFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103002 | AAASLAAIAIAFLAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 101953 | PDPLSPGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59209 | SLKAVNPSDPLVYK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 156907 | KVGDPLW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156907 | KVGDPLW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 111561 | MPPCNYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.029 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.01 | -0.009 | t | 43226 | NANANPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 103839 | DAEFRHDS GYEVH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 61112 | SSIPNGTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.024 | 0.02 | t | 33874 | KTSVDCN MYICGDST EC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59374 | SLNTGWL AGLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59374 | SLNTGWL AGLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.018 | -0.02 | t | 118144 | SLCQSLRE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.004 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 63086 | TCMTTAQ GTSMYPSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 7171 | CTKPTDG NC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.004 | -0.003 | 0.002 | t | 39083 | LRFFVAPF PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.019 | t | 6276 | CGAVIDDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 115197 | CVKKILDK VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 119579 | FKDYSSVV RPVEDHR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.054 | -0.04 | -0.039 | t | 13100 | ELIRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78225 | PFSNLDF M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106651 | MHSPLPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112392 | VTMTCKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106651 | MHSPLPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153838 | HQKRTAM FQDPQER | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.01 | 0.01 | 0.01 | t | 153838 | HQKRTAM FQDPQER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 12550 | EIPQPQW T | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.013 | t | 110759 | AAHRKESY SIYVYKVLK QVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 106685 | NLLEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.002 | 0.01 | 0.008 | t | 24369 | HNDKRAD PAFVCRQ GVVDRG | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.02 | -0.019 | t | 136441 | KRQKRF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.012 | t | 133577 | FVVDMMME RLRISQKW VRVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 110606 | GNPGLDGI PGAKG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.018 | 0.02 | t | 52439 | QSSWPKLE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.009 | t | 78687 | IRVRKRKG SNKKAEDT LED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.02 | t | 144804 | TVFVKPPP EKSW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.001 | 0.003 | -0.001 | t | 99621 | RNAMRHL RPEDTLEE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 56200 | RTTSGLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.036 | 0.037 | 0.038 | t | 114949 | SKEHDGEC KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.007 | 0.02 | 0.02 | t | 149731 | GVSDYHK NLINN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.022 | t | 3881 | APTYSWG E | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.029 | 0.03 | t | 73590 | YDTADII | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13656 | EPGVLMG GQSESVEF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.013 | -0.01 | t | 638 | ADAVSRKK MD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.021 | 0.02 | 0.019 | t | 15385 | FDFSGVVE G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 49108 | PQQQPF PQPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 49108 | PQQQPF PQPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149345 | KDFPILPGE IF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | -0.006 | -0.002 | t | 20021 | GGSILSGFT LEFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.046 | 0.047 | 0.039 | t | 2039 | AINPESDQ PDLSNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.008 | 0.01 | t | 2220 | AKKQVEK ALEEANSK LALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111556 | MPLQNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.02 | t | 21501 | GNQHVDD RPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.016 | 0.013 | t | 115912 | QAPEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.03 | t | 19101 | GDREIGEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.013 | -0.003 | -0.001 | t | 115090 | NLLRFFVA PFPE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.03 | -0.032 | t | 1463 | AGDCAVR Q | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.011 | -0.007 | -0.011 | t | 99090 | AFLDVVPG QAGQKQI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | -0.002 | -0.002 | t | 106825 | SEIYRKYFG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.013 | 0.01 | t | 35869 | LFKEYKLTR PY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.021 | 0.022 | t | 7765 | DDEHVEEP TVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.003 | -0.001 | t | 55174 | RPIDDFDQ GWGPITY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79400 | SRPTML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 65974 | TQYERE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.018 | 0.02 | 0.018 | t | 79394 | SLNAGLAP ETTQATLI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0.007 | 0.002 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 112146 | GSGTDFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.033 | 0.029 | 0.026 | t | 62289 | SVPSSSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.014 | -0.02 | t | 158703 | CKEADIKT ALEARKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | -0.01 | t | 25852 | IEKKIAKM EKASSVFN VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.033 | -0.04 | t | 144710 | KNPWPNV DAH | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.01 | t | 40578 | LVSFGVWI RTPPAYRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.01 | t | 40578 | LVSFGVWI RTPPAYRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.012 | t | 22303 | GSDYEDRY YRENM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.007 | 0 | t | 134410 | IIWRSTQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153284 | PTPLSPPLR NTHPQA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 108382 | GGVVIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 57737 | SFDASQST MA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.001 | -0.001 | t | 51296 | QLCQLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.007 | 0.01 | t | 71049 | VSMFSVG PSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.005 | 0.01 | 0.01 | t | 107422 | GQIPLRFN GEVKNP SVV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.041 | 0.04 | 0.042 | t | 66387 | TSQKETLH STSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.021 | t | 69462 | VLELAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.04 | t | 121811 | RRARARA R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | 0 | t | 108844 | DAGVIQSP RHEVTE MG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.003 | -0.001 | t | 135446 | AKAQLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 100216 | KLVFFAED VG | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111416 | IFQLCKITL TADVMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.011 | t | 120066 | LKQQWVD YNLKWNPD D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.027 | t | 6361 | CGVVNNK VAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | 0.003 | -0.001 | t | 9913 | DQTIDWF QPNNKRN Q | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.007 | -0.009 | t | 116731 | GLGESRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.003 | 0.007 | 0.01 | t | 12932 | ELADALLE KG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 47026 | PCKPLLRD DITFMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.008 | -0.01 | -0.011 | t | 4885 | ATALDTSN KFADFLQI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.012 | t | 43212 | NALSFTNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.012 | t | 43212 | NALSFTNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134187 | PMSTPSAT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.004 | t | 97605 | RIVRGPAN LRNLKEFK E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.003 | t | 138192 | HQTPLST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.003 | t | 138202 | LPTITNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.003 | t | 138198 | KPTSTLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.003 | t | 138166 | FHEFWPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 135974 | PSNSASVP ALTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.026 | 0.029 | 0.03 | t | 65664 | TPNATQPE LAPEDPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.026 | 0.029 | 0.03 | t | 65664 | TPNATQPE LAPEDPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.032 | t | 140556 | DWRHFME S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 117695 | YITTIAGV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 117695 | YITTIAGV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.021 | 0.027 | 0.028 | t | 116834 | SPSQDPDR RDPYSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 49505 | PSSKRFQP FQQFGRD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.05 | -0.052 | t | 95583 | LYNSQDGH GWD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 115256 | FRELKDLK GY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 21407 | GNDYEDR YYREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 112125 | GFSLTYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.002 | -0.01 | -0.01 | t | 25649 | IDPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.059 | -0.051 | -0.05 | t | 74136 | YHRVMYA SSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.01 | 0.008 | t | 137827 | DVKSALIEG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41014 | MADNGTI TVEELKQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.01 | 0.011 | 0.01 | t | 67514 | VAAEEYVE VTRVGDF HYVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.045 | 0.05 | 0.05 | t | 63242 | TDSSSDSQ TITN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137858 | FTPGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137858 | FTPGTEYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.04 | t | 135944 | KEQFEFAL TAVAEVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 16755 | FLLTRILTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.033 | 0.032 | t | 42308 | MPPYPTG GPPPV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.033 | 0.032 | t | 42308 | MPPYPTG GPPPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 158924 | KSCTWPET HTLWGDG I | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0 | 0.002 | t | 31539 | KKFKAEIR DFFKEMRI QYAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.01 | t | 52789 | QVSFTPDI EGYAELA WGIAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 94445 | CCHPACG KHF | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.053 | 0.063 | 0.061 | t | 97023 | VATRSQTD TSEKDC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41581 | MGGQSES VEFTKDTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 115598 | ATGMEVG WYRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.039 | -0.032 | t | 115763 | GPVRGPFP II | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 110067 | VSTLIELPD EIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 127885 | VTKWYSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.002 | 0.017 | 0.022 | t | 95834 | SGPSGTSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 133535 | CKPGEVQ QC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 99836 | QPFPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.034 | 0.014 | 0.023 | 0.02 | t | 52749 | QVMSRSA NEGVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.03 | -0.03 | -0.032 | t | 156868 | FHRHPLE | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 29751 | KAALIEEG Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 84698 | KSDYLGVN KIAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0 | t | 106067 | RGGSGGR GRGGSGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.02 | 0.02 | 0.018 | t | 156846 | AKLITCSKT CSKWQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 45817 | NSGCFRHL DEREECKC LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 45817 | NSGCFRHL DEREECKC LL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.031 | t | 130543 | LLKGKGDK AQIEKRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | -0.004 | 0.001 | t | 49324 | PSDKHIEQ YLKKIQNSL S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 102153 | TQYTAYSP VPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.003 | -0.01 | -0.012 | t | 132864 | LQEKLSPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.019 | t | 58060 | SGGSWV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.033 | -0.03 | -0.03 | t | 97444 | LFKLGKLF Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.006 | 0 | 0 | t | 18787 | GATFQVE VPGSQHID SQKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.019 | 0.02 | t | 69719 | VLQELNVT V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.003 | 0.011 | 0.01 | t | 141734 | RADESKTD PQTEA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 120108 | NFMESGE WVIKESRG W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 137820 | DFTPGTEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 95119 | MKKPGENI KPLSCKYSY PKH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.03 | 0.03 | t | 56019 | RTAPGPGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.031 | 0.029 | t | 60669 | SRGGSQAS SRSSSRSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.031 | 0.029 | t | 60669 | SRGGSQAS SRSSSRSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.014 | 0.01 | 0.012 | t | 136053 | ALSPTMT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | -0.003 | t | 136595 | RHYQQYF QHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 99558 | QEEENQG GKGPLLSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 75409 | YPSGAWY YVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.037 | 0.031 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.042 | 0.039 | 0.037 | t | 96828 | RLKEEED KK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 66344 | TSNQRGV GSTVVILD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.041 | 0.049 | 0.05 | t | 60763 | SRPLNDLV SQKTTQLS DITS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.027 | -0.031 | -0.03 | t | 73739 | YEPGRSL W | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.001 | 0 | t | 57277 | SDSDNDG VCDNVDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.059 | 0.051 | 0.052 | t | 35777 | LEYTIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 33761 | KTLLSRFL WWLCYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.019 | 0.03 | 0.03 | 0.028 | t | 106494 | GYENPTYK FFEQMQN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.017 | -0.02 | t | 22881 | GTVVAVG PGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.02 | 0.022 | t | 95198 | AAPTTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.008 | t | 7230 | CTTPAQG NSMFPSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | -0.001 | t | 106327 | DDDKLEQI RRDYTSGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.031 | 0.031 | t | 58683 | SIQTKFAP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | -0.002 | t | 43894 | NFNGLTGT GVLTPSSK RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70728 | VRGLYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.027 | 0.028 | t | 100571 | TPATPTPT PKAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123526 | MVYEALD CI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | -0.001 | t | 35810 | LFDGRDN GAL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 67460 | TYSFVSLLS PGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0 | t | 95094 | IGFRGLDG VHCTPTTD SGVI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.017 | -0.007 | -0.01 | t | 95874 | SQWGWG GSTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.011 | t | 96521 | KVTKEKPT PP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.019 | t | 115096 | PPSLLFLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0 | 0.01 | 0.01 | t | 88617 | SGYDND ALYASV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.052 | -0.047 | -0.052 | t | 95216 | AEGLYSML VERD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.039 | -0.03 | -0.03 | t | 136003 | TRKDINTV TTVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.008 | t | 151817 | CLTSQAAS QRLE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.011 | -0.01 | t | 58417 | SHSQWNK PSKPKTN MK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.015 | -0.011 | -0.01 | t | 58417 | SHSQWNK PSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.011 | 0.01 | t | 14208 | ESLTTTSTA LGKLQDVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 5780 | AYFYPELF RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.03 | 0.028 | t | 12225 | EGLTATTF EEDGVAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.002 | -0.007 | -0.013 | t | 68061 | VDRQYTIF G | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.007 | 0.011 | 0.012 | t | 61125 | SSIVYEAD DVILHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 32415 | KMVQVVY D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.004 | 0.01 | 0.01 | t | 32415 | KMVQVVY D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.047 | 0.041 | t | 123683 | QVPTTEVV GTTPGQA P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.009 | -0.01 | t | 7061 | CSQHLPYI E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 51908 | QPQPFPS QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.01 | -0.009 | t | 4710 | ASQKRPSQ RHGSKY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.007 | t | 922 | AEGEFDYA WDQTHQ DPAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 106428 | FVEIYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 106428 | FVEIYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | 0.003 | 0.002 | t | 54140 | RIEGGEIL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.024 | 0.03 | t | 52180 | QQYPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.007 | t | 132794 | DRLYAQYP VPTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.009 | 0.02 | 0.021 | t | 39485 | LSLRRQV NEVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.019 | t | 139618 | TGQLVHRF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.01 | t | 80885 | DADIGNEY DQVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 135973 | PSKFTEPV KDVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 155333 | PADS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.012 | 0.001 | 0.002 | t | 23048 | GVLSVDLS LTVELKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9754 | DPRVRGLY F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9754 | DPRVRGLY F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9754 | DPRVRGLY F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.011 | t | 95161 | TYGKFCIKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.006 | -0.01 | t | 118433 | ISIGYRYPPI CLGRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.027 | 0.019 | t | 104895 | LVEALYLV CGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.012 | 0 | 0 | t | 30604 | KESHDQFL QHTILFKG FFTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | -0.001 | -0.001 | t | 138175 | GAPPNGA PPPPVDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 79504 | ADCTTPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123076 | DFMLYETL D | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 49533 | PSTPGDNP LV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 49533 | PSTPGDNP LV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114757 | CLLCAYSIE F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.041 | 0.05 | 0.052 | t | 120886 | QDNEEFPE KD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.04 | 0.04 | t | 28250 | IQWDGYA RQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.016 | -0.01 | -0.01 | t | 159024 | NKGAIIGL MVGGVVI A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 105851 | GTAPFEIH ANRIVGFF SKII | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 45538 | NQELAYFY PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.019 | -0.01 | -0.009 | t | 64752 | TLDHVLDH | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.007 | -0.01 | t | 8565 | DHSAPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 7532 | DAHHAAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.049 | 0.047 | 0.041 | t | 112348 | TEDLAVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.01 | t | 96755 | PTAPTKPT YE | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.021 | 0.029 | 0.03 | t | 80408 | ANDVDNS NPVVQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.055 | 0.051 | 0.05 | t | 56272 | RVEESI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140823 | AGKGVDA GKLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.049 | -0.043 | t | 130922 | KGMLPDP KNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 127718 | KSTPQFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117510 | GRGRGM GRGNIFQK R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103378 | LPLLEKVG AGKPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.033 | -0.033 | t | 106340 | DIMPCLHF VKGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 50442 | QDAYNAA GGHNAVF NFPPNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.011 | 0 | 0.001 | t | 79867 | INNLEVELI RGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 66841 | TTTCFRDT DTGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.002 | t | 21408 | GNDYEDR YYRENNY RYPNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.013 | -0.019 | t | 122179 | RQLGRGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.023 | 0.03 | 0.031 | t | 133862 | KLKKIDDL DAKEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.062 | 0.059 | 0.057 | t | 96823 | RKEEEEAE DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.062 | -0.049 | -0.05 | t | 20197 | GHWMDA TFNTKTA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79744 | AASSPDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79744 | AASSPDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | 0.003 | 0 | t | 96017 | YHLYNSQD HG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.04 | 0.04 | t | 117376 | TGALDVIR NFTLDMI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 7673 | DAVTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 58148 | SGNLLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.102 | 0.103 | 0.101 | 0.101 | t | 1157 | AESEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.027 | 0.03 | 0.03 | t | 141053 | LTPDTQYE FQVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.009 | -0.011 | t | 36372 | LHEQYYF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.082 | 0.07 | 0.077 | 0.08 | t | 56145 | RTPEVDDE ALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.011 | 0.011 | t | 51233 | QKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.015 | 0.02 | 0.021 | t | 703 | ADLEKALE GAMC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0.003 | 0 | t | 24425 | HPAKSMD V | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.034 | -0.021 | -0.02 | t | 70489 | VPSYSFIRA HDSEVQD LIA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.007 | -0.01 | t | 62334 | SVSRARTR HLLLCL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 131766 | YCQTWGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 103731 | WISEYKEV EILEADD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 97760 | VTLPSSGGA V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 121842 | SGGVLLPC YSFSWSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 121842 | SGGVLLPC YSFSWSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 67039 | TVIYSKYG GT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.041 | -0.03 | -0.029 | t | 6540 | CLAVLLGA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.017 | -0.01 | t | 141933 | KIENAAM AIHLCFNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.025 | -0.009 | -0.009 | t | 32862 | KPRDTLPP PLNRPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.048 | 0.05 | 0.049 | t | 21933 | GQPQAQG DGANA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101983 | PVYQQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101983 | PVYQQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101983 | PVYQQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2271 | AKQYNICC KFKELLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | -0.002 | t | 29147 | ITWIGM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | -0.002 | t | 29147 | ITWIGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | -0.002 | t | 29147 | ITWIGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.031 | 0.028 | 0.028 | t | 106598 | LEAYAFDIAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.009 | -0.013 | -0.013 | t | 114732 | AEVDCSRFPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.009 | -0.013 | -0.013 | t | 114732 | AEVDCSRFPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 118579 | RDMLLANKVPAAARA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135003 | HWDPFSL SAYFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135002 | HWDPFSL SAYFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144811 | VSWLSKEWAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144783 | SHVVTMLDNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144594 | ARGISRTKYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144697 | IYRNLYWEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144614 | DMMYGGMRGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144639 | FAQAYARGIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144816 | WSHNFTNMLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144619 | DYIWNTLNSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144644 | FRQQHGKTVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 144823 | YWEGSGIGAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 135501 | SQWNKP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144804 | TVFVKPPP EKSW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 66397 | TSRFASLF NLGPQQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 122719 | CGVDFEIK AFATHSTD VEED | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 15981 | FGGETFTP DWMMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 107765 | CESAQRPF GCC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 140610 | TQWQGF SVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 79413 | TCPLPDP DSQYCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.025 | 0.019 | 0.02 | t | 32680 | KPDSMP | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.006 | -0.011 | t | 125029 | EIERDTER DRFLSADE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.012 | -0.01 | t | 60914 | SSATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.039 | 0.05 | 0.05 | t | 42646 | MSRIAAG DLESSVDD PRSEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 123010 | AGAMIPP PPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.029 | -0.029 | t | 79042 | PKSKPFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 71965 | VWVTPVI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.009 | -0.01 | t | 135606 | YSSKKLC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.027 | -0.03 | t | 96489 | KPTPPVKP TA | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.017 | 0.03 | 0.032 | t | 137939 | NVLSADFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156945 | QLHTSI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 153815 | CYEQLNDS SEEDEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.01 | 0.01 | t | 57062 | SAYTPAYY TKDTNNN LTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.039 | 0.037 | 0.03 | t | 112338 | SVLYSSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 142055 | VKDTPRLI KLIKNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 27998 | IPQQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.008 | 0 | 0 | t | 95051 | YSQFEKSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.034 | -0.04 | t | 138190 | HNAKTKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 31404 | KIQRDEDS YE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | -0.002 | -0.002 | t | 106529 | ICDRSYTTR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.021 | -0.02 | t | 55270 | RPPRYLAN Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.007 | -0.008 | t | 105090 | AIIGLMVG GVVIA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.04 | 0.04 | t | 118011 | LYKEKALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 145827 | IIPKVEGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 35528 | LEIVPNSAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.028 | t | 118577 | RCPAKPEE EGMMINI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.029 | 0.04 | 0.04 | t | 10123 | DSGASSTA SSSH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.001 | 0 | t | 23404 | GYLPISGE MEKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.011 | t | 106375 | EDHAGTY GLGDRK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.029 | t | 131075 | SQSYPEPA RGSVPMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.03 | t | 29812 | KAGSTVYA VTAVTSIFS VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.01 | 0.006 | t | 144622 | EDVGSNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.013 | -0.011 | -0.01 | t | 39916 | LTGISICNP GSSLC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 159172 | TTDSGKLV TDWCCRS C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124720 | SILPYGDS MDRIEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.035 | 0.04 | 0.04 | t | 49006 | PQGQGV T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133722 | TSKSKYPL VV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 158999 | LWGDGILE SDLIIPVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.008 | t | 128612 | FDSHY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | -0.007 | 0 | t | 111013 | RTGYIPLG TRPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 79249 | HFQYRM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.013 | 0.019 | 0.02 | t | 91203 | DNLAPMS DGAVQPD G | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.013 | -0.019 | t | 144697 | IYRNLYWE GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.017 | 0 | 0.004 | t | 23252 | GWGQPH GGGGWG QPH | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 52 | AAANTSDS QKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131983 | NKQEEAW INPFVKQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106995 | WMTYPDS LIISA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.011 | t | 15402 | FDIAKFAS NTDWEGK DSKG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.05 | 0.049 | 0.05 | t | 15775 | FEYVDTYG DNAG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 54345 | RKFNDVV QSDMKH WPFKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 45506 | NPVIPFKD GIYFAATE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.04 | 0.04 | t | 6942 | CRSACVYF TEYENSG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.013 | 0.02 | 0.022 | t | 150858 | ISSLYNLVKS SS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.019 | t | 5771 | AYFLYQQ QGRLDKL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.019 | -0.02 | t | 78994 | HQLDPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.013 | 0.012 | t | 106550 | IWYINCFG CETHAML | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119622 | NVNHKPS N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.023 | t | 150200 | FGEHKQEK DLEYGAC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 78637 | EKSLTSLSE | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 22799 | GTRIRFKD DTSFED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149415 | PQQLPQFE EI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 6524 | CKTC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.002 | t | 34329 | KWSDKPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 131581 | PDSRAVTC GMASLSA EKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.023 | 0.03 | 0.031 | t | 76485 | YYALDVYA YDVT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 42007 | MLMRTDP FRELDRA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 42007 | MLMRTDP FRELD RFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.039 | -0.04 | -0.04 | t | 1402 | AFSVAAPV TVTR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.031 | t | 131108 | TGVEAAA ASAI S VAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 103830 | CHAVKVG NPSC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 127856 | TDVRYKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135755 | SALVLQYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123092 | DLPTTMK MW | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.036 | -0.027 | -0.03 | t | 58942 | SKSSRC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 16362 | FKEKVLGL LQRATQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.011 | t | 104520 | IAKEQENK ETIGTLKKI LDE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.017 | -0.021 | t | 19737 | GGGAGAG GAGAGGG GR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.009 | 0.02 | 0.021 | t | 39485 | LSLLRRQV NEVA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.02 | 0.02 | 0.02 | t | 39091 | LRGDLQVL AQ | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.042 | 0.04 | 0.039 | t | 119914 | GSVVAINP ESDQPDLS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.023 | 0.018 | 0.007 | t | 98824 | IIAEKTKIP A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 43746 | NESKYSNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.001 | 0.01 | 0.013 | t | 111309 | GDTPTLHE YMLDLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 72088 | VYLLPRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.046 | 0.043 | t | 115671 | AAMEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.019 | t | 123016 | AIYENEIHA LWADLP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.03 | -0.017 | -0.01 | t | 128115 | SSHRGNICI GATNYVA DN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.01 | -0.009 | t | 51474 | QLPNVGIT QGIV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.007 | 0.011 | 0.008 | t | 35244 | LDNPLENP SSFLDLVA RIKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | 0.003 | 0 | t | 52094 | QQPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.034 | -0.033 | -0.038 | t | 123643 | PYMPPPG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.01 | t | 95132 | PYVTYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 117018 | KIVMFWH EPVYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.015 | 0.027 | 0.03 | t | 60424 | SQEIVQNE SGTEEILE | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.008 | 0.003 | -0.002 | t | 16114 | FHISCLTFG RET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.008 | 0.003 | -0.002 | t | 16114 | FHISCLTFG RET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133722 | TSKSKYPL VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.021 | 0.02 | t | 38330 | LNRSGGN YTKTDDEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.028 | 0.027 | 0.03 | t | 120503 | ENKIFADDI DIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.027 | 0.03 | t | 120503 | ENKIFADDI DIS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 60662 | SRGAPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.02 | -0.01 | -0.009 | -0.01 | t | 60662 | SRGAPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.037 | 0.039 | t | 115728 | EPFTESQS LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.02 | 0.02 | 0.018 | t | 136647 | SNNADYK QSLLL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123125 | EFPKLKEFK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.048 | 0.053 | 0.059 | t | 108170 | TTANPSCP EGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.029 | 0.03 | t | 17993 | FTKDTQTG MSGQTTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.001 | 0.001 | t | 65678 | TPPAYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.04 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.011 | 0.01 | t | 56796 | SAGGQLFY SRPVVSAN GE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.033 | 0.029 | t | 48870 | PPPPSSPT HDPDSD PQIPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.019 | t | 5962 | CAALASLF LSLGPQQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.039 | -0.04 | t | 97117 | YIQMKRIA VG | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.049 | 0.05 | 0.05 | t | 123849 | WQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 22127 | GRLHLND RV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.018 | t | 150978 | EKNVTVTH SVNLLED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.045 | 0.04 | 0.04 | t | 138153 | DGDYGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.038 | 0.027 | 0.028 | t | 157280 | FSGFDAEF LADA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30262 | KDTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 48005 | PIVATNW QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.029 | -0.03 | t | 48005 | PIVATNW QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.029 | t | 131075 | SQSYPEPA RGSVPMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 131346 | AIPDRFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.004 | 0 | 0 | t | 6139 | CDSSDRPR VYTIT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99332 | IGTTKQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | -0.001 | -0.001 | t | 157189 | EFRHDSGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 69271 | VKMAETC PIFYDVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0.003 | 0 | t | 20064 | GGVATY | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 31580 | KKIQDCYV ENGLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 12408 | EICPAVKR DVDLFLTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.001 | 0.01 | 0.012 | t | 79963 | PGSSPME VMLRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.031 | t | 153366 | CFRKHPEA TYSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 103838 | DAEFRHDS GYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | -0.001 | t | 23068 | GVNLEDP ASRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.034 | 0.039 | 0.04 | t | 4228 | ARQQTVS ALEDKLA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.018 | 0.039 | 0.037 | t | 107242 | SQTTANPS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.018 | 0.039 | 0.037 | t | 107242 | SQTTANPS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.022 | 0.027 | 0.028 | t | 114283 | CQIESWD HNDQQFQ C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.026 | 0.023 | 0.028 | t | 14009 | ERKIKV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.003 | t | 19868 | GGGWGQ PHGGGW GQPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 144663 | GREGYPA DGGGCKIT CFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.012 | t | 144663 | GREGYPA DGGGCKIT CFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.002 | 0 | t | 50477 | QDIQPAV QASWPKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.018 | -0.02 | t | 55625 | RRKAMLQ DMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 2378 | ALAELATK TFGSSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.027 | -0.03 | t | 110468 | YYVLHLCL AATKYPLL KLLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.019 | t | 14447 | ETKRKDGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.025 | -0.02 | -0.019 | t | 14447 | ETKRKDGD | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 25622 | IDLTKNA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 95201 | AASAYCST WD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 118019 | MGRGAPP PGMMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.026 | -0.017 | -0.018 | t | 29803 | KAFRELAD AL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106596 | LDLKRTTT THTS | Mus musculu s |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 25623 | IDLTKNA AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105581 | VT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103496 | PRGYPGQ V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68320 | VEQHRR TD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75949 | YTASARGD LAHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64031 | THGQWN KPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41290 | MDWNM HAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.033 | 0.032 | t | 141604 | APPDDGP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.02 | t | 97760 | VTLPSSGA V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.04 | t | 16305 | FISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 11973 | EFDEMEEC SQHLPYIE QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.041 | t | 117700 | YSPTSPS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.007 | -0.001 | t | 135468 | GVGLAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.033 | t | 139618 | TGQLVHRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | 0.005 | -0.01 | -0.017 | t | 31063 | KGSSGYCA WPACYCY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.032 | 0.037 | 0.038 | t | 114283 | CQIESWD HNDQQFQ C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.026 | -0.02 | -0.021 | t | 50814 | QFQGQQ QPFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 51710 | QNITDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.007 | -0.011 | t | 23160 | GVSWTM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.007 | t | 146986 | GNGPGYA LGGGSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130880 | HIDGPSLLI EN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 122445 | KQYSIEAA LRCRRISKE EYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.009 | t | 106035 | QFAGKDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 23190 | GVTYEIDL TNKNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.056 | -0.05 | -0.05 | t | 105896 | KFTQFAGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.056 | -0.05 | -0.05 | t | 105896 | KFTQFAGK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.03 | 0.03 | t | 123838 | VWQDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0 | t | 139227 | RGDLQVLT PK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.002 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.055 | -0.05 | -0.05 | t | 67569 | VAEKVRNL PA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 79284 | LDAVPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 69833 | VLVLNPSV AATLGFGA YMSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 13735 | EPQVYTLP PSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 4737 | ASREAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.053 | t | 134333 | CIPIPSSW AFARFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 110610 | GPKGAPG ERGPSGLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.013 | -0.02 | t | 123636 | PVGPAPG MRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.01 | -0.01 | t | 28691 | ISQHQCVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.005 | 0.011 | 0.01 | t | 100101 | HFYDGFAK VPLKTD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.011 | 0.01 | t | 100101 | HFYDGFAK VPLKTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 12951 | ELAPEDPE DS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 3381 | ANPNPYTS RRSV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.004 | 0 | 0 | t | 30596 | KERSSLRY GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 140825 | AGKLGTVS YGEEKPAV LGHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 49085 | PQQPFPQ QPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 141660 | GMEKAKE ELLETLQIV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.04 | 0.04 | t | 141660 | GMEKAKE ELLETLQIV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.04 | 0.04 | t | 141660 | GMEKAKE ELLETLQIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 141660 | GMEKAKE ELLETLQIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.016 | -0.024 | t | 138249 | TFRVVSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 69210 | VKELPTEV QKLKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.025 | 0.029 | 0.03 | t | 96 | AADQLPN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.02 | -0.009 | -0.01 | t | 8594 | DICLGTDIS VKQGDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.013 | -0.013 | t | 106571 | KLVSEVPK HCGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.05 | 0.051 | t | 33206 | KRPNDKA G | Mus musculu s |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.007 | 0 | 0 | t | 41421 | MEQFIRAF IEIDKDNN ELID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.052 | -0.036 | -0.038 | t | 96260 | EPNANLSL TTDGKFLK ASA | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 138027 | SADFTPGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 158923 | KSCTWPET HTLWGDA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | -0.001 | -0.001 | t | 79111 | VNKGYTG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 75152 | YNGEEYLIL SARDVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104161 | NVVLKTIT ESATSPPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.008 | t | 133635 | LSRSTKEY NKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.03 | 0.03 | t | 10550 | DVCSDSD NDGVCDN V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.003 | 0 | t | 67270 | TWKKPDY E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21408 | GNDYEDR YYRENMY RYPNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.021 | 0.02 | t | 71446 | VTPIDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.019 | t | 6129 | CDPTMDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124275 | HPLAPLNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.009 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.029 | 0.033 | t | 153263 | HAGTFLQ VA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.037 | -0.027 | -0.03 | t | 53876 | RGGIPSLK KGKDIKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 123161 | EYLGEEYE E | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 79282 | LCEETPPN ETTPCI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103929 | GKLPIPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 101873 | LNKQEG DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.022 | -0.007 | -0.01 | t | 8381 | DGERVPK NNRLSKY SELSE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.028 | -0.031 | -0.03 | t | 16123 | FHLPYNHN WFAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8636 | DIETPRAG KKESTV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98981 | REREEDW RQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.018 | 0.02 | t | 135980 | QSRRRGD MSTLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.02 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.023 | -0.023 | t | 78143 | EKIEKTEEP AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 73080 | WSLDPHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21254 | GMDGTQL DRW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.055 | -0.049 | -0.049 | t | 50494 | QDMRNTI MASKTVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.019 | -0.012 | -0.01 | t | 51474 | QLPNVGIT QGIV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.011 | -0.012 | t | 67187 | TVTTTTKG ENFTETDI KI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.032 | 0.045 | 0.04 | 0.039 | t | 125063 | GDRAYVE NELVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 133668 | QEGPEYW DRNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.051 | 0.043 | 0.05 | 0.051 | t | 45571 | NQITSALS TQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.019 | -0.018 | t | 28351 | IRNW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.023 | -0.019 | -0.018 | t | 28351 | IRNW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.019 | -0.018 | t | 28351 | IRNW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 79928 | MDRPTSM KALDH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 106642 | MHLNTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.044 | 0.047 | 0.052 | t | 21557 | GNYTKTD DEANQLLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 28693 | ISQQPFPL QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.012 | t | 6093 | CDCDRTA A | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.012 | t | 6093 | CDCDRTA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.037 | -0.031 | -0.03 | t | 4710 | ASQKRPSQ RHGSKY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 146228 | EYSDSGIE V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.039 | -0.031 | -0.03 | t | 11802 | EENKKPAE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156946 | QLLYGS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132072 | SPFVPYDF MNSSTSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.013 | 0.01 | t | 67069 | TVLGALP PTPQTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119844 | ERTVLVSM NY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119844 | ERTVLVSM NY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.023 | 0.02 | t | 23694 | HEIAWFTE RSDKSYEH QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.023 | 0.02 | t | 23694 | HEIAWFTE RSDKSYEH QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.053 | 0.053 | 0.059 | t | 125330 | YVDTYGD NAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | -0.003 | -0.003 | t | 141619 | DLNLIGFGI NAKNNQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | -0.002 | t | 113193 | TGEIKALA GCDFLT1 | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 130871 | GSESGIFT NTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 130871 | GSESGIFT NTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.012 | t | 146901 | ETHGGED VAVFAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.06 | 0.067 | 0.062 | t | 132210 | DGPPGEL GPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.008 | 0.02 | 0.021 | t | 5728 | AYANSTQE ETF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.01 | -0.01 | t | 58417 | SHSQWNK PSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.021 | 0.02 | t | 14487 | ETMTPSGL VIPENAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.003 | 0.007 | 0.01 | t | 5207 | ATVSSQSF RR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.003 | 0.01 | t | 120419 | AVKYTGTY GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 118902 | LVFEAPNQ EKVSDYE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.03 | -0.041 | t | 26849 | IKMVSSLK TKIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.03 | -0.041 | t | 26849 | IKMVSSLK TKIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.043 | 0.041 | t | 107127 | GEPGDDA PSGAEGPP GPQG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.006 | 0.013 | 0.01 | t | 71839 | VVSTLPQA VMGSSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.013 | 0.01 | t | 71839 | VVSTLPQA VMGSSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 55070 | RNTNRRP QDV | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 78696 | KEEGEDDT ARQEIRKA WVK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.008 | t | 78696 | KEEGEDDT ARQEIRKA WVK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 71856 | VVTPDKEI L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 97064 | VNVPKVTK EK | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.018 | t | 140905 | TPAAKVLV EGNTDER GTPEY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158609 | SFGTALW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 131865 | EPLEVFISA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.018 | -0.011 | -0.01 | t | 13678 | EPKIGLPG PPSAPVP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142204 | KLEEQNKI SEASRKGL RRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142288 | SEASRKGL RRDLASR EAKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 138910 | SEGGDEYV TKGEVVET D | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|----------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142116 | ASRKGLRR DLDA SREAKKQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142167 | GLRRDLDA SREAKKQV EKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142166 | GLRRDLDA SREAKKQL EAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142217 | LDASREAK KQLEAEQ QKLEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142282 | RRDLDA SR EAKKQLEA EQQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142202 | KISEASRK GLRRDLDA SREA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142125 | DLDA SREAKKQLEAEQ QKLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 138884 | NKLLIAFGL VILLVTLP CAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 142201 | KGLRRDLDA SREAKKQ VEKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 112837 | SGYIPANT TIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 65902 | TQNISGTQ VYQDPAIV QPK | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|-------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 72294 | WDEGGEK RIPLDVAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 71353 | VTHESYQE LVKKLEALE DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 70991 | VSILIIFILVS GLSMFVD QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 68087 | VDVSEGDI VIYSKYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 75152 | YNGEEYLIL SARDVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 71284 | VTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 69344 | VKYTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 62779 | TAADTPTA TESISPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 67969 | VDGVHAP DKEVKVH ADKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 75152 | YNGEEYLIL SARDVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 66933 | TVAEEHVE EPTVAEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 97170 | ADQELGD APFLDRLR RDQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 67656 | VAKVNIKP LEDKILV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 66933 | TVAEEHVE EPTVAEE | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|-------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 41069 | MAKVKIKP LEDKILV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 38186 | LNDITKEYE KLLNEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 44168 | NHSQTPR YRRPKFP WFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 54382 | RKLFLVAL VLFTIGSLI CAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 42416 | MQTLWDE IMDINKRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 55038 | RNNHPQN TSDSQKEC TDGNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 38694 | LPRSNTSS GASPPAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 53152 | RALLGLAV CLFLMALC T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 52411 | QSQDNSG DQRQVDL TPKK | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|-------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 42416 | MQTLWDE IMDINKRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 11821 | EENVEHD AEENVEH DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 20012 | GGSGGSV ASGGSVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 35316 | LDVAEGDT VIYSKYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 11821 | EENVEHD AEENVEH DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 22986 | GVGSSAVI LDDNFVT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 35794 | LFKYAEE VGEAVIDD DFGY | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|-------|----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 18761 | GASAQSG TSGTSGTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 23976 | HHAERNG SQSTTSQS N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 32596 | KNQLAGK DEYEAKQK EAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 11820 | EENVEHD AEENVEEN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 30799 | KFNPDLAG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 14016 | ERLAQHM TDFDVTH HR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 12531 | EINHVQD HALPKENI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 4132 | ARDVLAV VSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 4132 | ARDVLAV VSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 10098 | DSDSESDS DSDSDSDS D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 10106 | DSEPFPRQ KHKKVD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 8900 | DKILVQAN EAETTTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 8942 | DKNEKGQ HEIVEVEEI LPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 8360 | DGDGAAA MRYTEAR MTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.014 | -0.01 | t | 39368 | LSGIQLFD RI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.019 | 0.02 | t | 35723 | LETHPLYQ | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.038 | 0.047 | 0.053 | t | 28907 | ITGEYVQIL DAHAAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.022 | -0.01 | -0.009 | t | 116971 | FAVLKLM GRGTKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.033 | 0.033 | 0.03 | t | 115302 | IVTAGEER AVTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.004 | 0.007 | 0.01 | t | 44920 | NLVPMVA TV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0.001 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.033 | t | 1 | AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.013 | 0.01 | t | 33107 | KRAASKVS ARLLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.011 | t | 46858 | PALTA AET G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.023 | 0.019 | t | 30307 | KEARDQE MN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.001 | 0 | t | 73028 | WRGSNHS DQTII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.019 | -0.022 | t | 65476 | TNVGLKIR QLLW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.003 | 0.001 | t | 75937 | YTAADCP GLLYLCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.019 | t | 140077 | VQIINKKL DLSNVQSK C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 96126 | AVNVPKV TKE | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.009 | 0.01 | t | 75561 | YQTELARV QKANADA KATY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 55680 | RRPQDVK FPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 75848 | YSPEVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.037 | 0.032 | t | 51852 | QPHDLGK VGEVIVTK D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.028 | -0.013 | -0.008 | t | 95833 | SGPSGPSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 42928 | MVDRGW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.009 | 0.007 | 0.01 | t | 58950 | SKTNIFWA GDLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.008 | -0.01 | -0.01 | t | 7896 | DDYQSFF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.017 | 0.02 | t | 119923 | GYISKAQE YFN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.003 | 0.004 | t | 133638 | LTSRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98797 | GGFGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.023 | -0.023 | -0.023 | t | 69399 | VLCNRAFNPVCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.007 | -0.012 | t | 47750 | PGSPAPPPPEHRGGPEEFEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 119735 | AEFHRWSYM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.008 | -0.01 | -0.011 | t | 119735 | AEFHRWSYM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 119735 | AEFHRWSYM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 98792 | GDTWDD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.01 | t | 918 | AEGEFATAPPSHYSWDPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.001 | 0 | -0.003 | t | 19868 | GGGWGQPHGGGWGQPH | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 36958 | LKMADPNRFRGKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | 0.003 | 0 | t | 27690 | INNAYNMS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.033 | 0.032 | t | 76395 | YVRFDLELTFVITST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.01 | t | 11438 | EDSGSNGKKITCECTKPDS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.01 | t | 11438 | EDSGSNG KKITCECTK PDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.01 | 0.013 | 0.01 | t | 110912 | KATPNDG YFWED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.008 | t | 74476 | YKLPDHVR T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.035 | -0.02 | -0.019 | t | 43224 | NANANNA VK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.022 | t | 34963 | LASLCNPK PSDAPVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 159079 | RSNHNRR PGYKTQN QG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.038 | -0.031 | -0.03 | t | 82608 | GENKFVAT AASV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | 0.003 | -0.002 | t | 95354 | ELSEFIPGA SLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.014 | -0.018 | t | 109091 | GFPGARG P | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 72087 | VYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 122874 | PPARALKR SLWVEVD LLIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 122874 | PPARALKR SLWVEVD LLIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.03 | 0.029 | 0.03 | t | 42531 | MSDLTDIQ ED | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.052 | 0.05 | 0.048 | t | 18595 | GAGKALT GLSTGTSQ NTRIS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.017 | -0.02 | t | 70648 | VQSVASSR RHKRFAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.009 | 0.01 | t | 3972 | AQGQYSN TLLRIYRDN KTIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.001 | -0.009 | t | 135642 | CKNKEKCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.02 | t | 23139 | GVSGGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 139239 | RWPEFSKF GGFDPQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123612 | PPGMIPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.013 | t | 108825 | AVLMLPV WACLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115874 | NQFLPYPY YA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.034 | -0.041 | -0.044 | t | 133539 | CYKPGEW AC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70269 | VPDKEVLY Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.016 | 0.03 | 0.032 | t | 7134 | CTEKFTFSK NPADTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.016 | 0.03 | 0.032 | t | 7134 | CTEKFTFSK NPADTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.013 | 0.01 | t | 30194 | KDLEDGSK YYFDEDTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.034 | 0.04 | 0.042 | t | 133540 | DALVAKA QEVs | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 22127 | GRLHLND RV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.024 | 0.02 | 0.018 | t | 106771 | RERMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.015 | 0.017 | 0.017 | t | 78111 | CLVRTPEV DDEALEKF DKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 70664 | VQVVYDY Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.027 | -0.031 | t | 120699 | KMFPEVKE KGMAALP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.065 | 0.053 | 0.061 | 0.061 | t | 138836 | CRTVYPSE EETGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | -0.001 | t | 20526 | GKDDHYLL EF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.007 | -0.01 | -0.012 | t | 18649 | GAKYMLV QGEPGAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.013 | 0.017 | t | 122205 | VFTLPPPL PETH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105583 | VTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 49321 | PSDKHIEQ YLKKIKNSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 117449 | CVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 117449 | CVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.021 | -0.023 | -0.021 | t | 39480 | LSLILNRLC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.027 | 0.03 | 0.03 | t | 157833 | RDPYSPSQ DPYSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 134151 | LRRVIGD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | -0.001 | t | 1602 | AGLLELNG W | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 52138 | QQQTAPK APT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 117231 | RQIFGDYK TTICGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.006 | 0.02 | 0.024 | t | 97591 | QSATAVLG A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 42493 | MRQLDTN VER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.029 | t | 6948 | CRTCTTPA QGTSMY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 103029 | AGTVNIGA SDAYLSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 149082 | NPSQGPL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 103745 | YEEQMQD AFETGVM F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 157741 | PHYSNAP QLVYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133659 | NPWYNDL SLLTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114885 | LCAYSIEFG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.043 | -0.036 | -0.05 | -0.056 | t | 4504 | ASKLCLG WLWG | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 136219 | FEEYGKIDT IEIIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 54432 | RKTKRNTN R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.002 | t | 44342 | NISGTGEK AQQHRKQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.041 | t | 136074 | LVKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127665 | GIQPTWV PFHST | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 48992 | PQEQITQH GSPYGRC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 39107 | LRGSGDLQ EYLRHVTR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.044 | -0.04 | t | 139511 | GPM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.039 | 0.04 | t | 149435 | QPQYSQP QQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | 0.002 | 0.003 | t | 98891 | LQQQLIPC MDVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.01 | t | 13670 | EPIRDALN AMTQNIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.007 | 0.01 | t | 95742 | QSLACQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.048 | t | 140996 | EEIDYDDTI SVEMKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.037 | 0.037 | t | 106315 | CSGTKKLS EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.012 | 0 | 0 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.039 | t | 144619 | DYIWNTL NSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 75949 | YTASARGD LAHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.009 | t | 146839 | DLRTL | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0 | 0.01 | 0.01 | t | 44487 | NKENCGA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.039 | 0.037 | 0.03 | t | 112336 | SSQSVLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.017 | 0.021 | t | 67729 | VAQYKALP VVLENA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.002 | t | 156937 | PMSKSHL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.044 | -0.03 | -0.03 | t | 53338 | RDEWWK VIKKDVW NVISWVF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.044 | -0.03 | -0.03 | t | 53338 | RDEWWK VIKKDVW NVISWVF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 158613 | SQSVAAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149067 | LNFDPPS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114752 | AYSIEFGT NI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123798 | TTLKMWS DF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.034 | 0.04 | 0.041 | t | 13524 | ENMTPQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 96102 | APPLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149934 | SGKFYPV | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.019 | 0.019 | t | 122153 | NASGLSRP SPSAH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.031 | t | 127185 | TCDDPRF QDSS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-------------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.019 | -0.02 | t | 50203 | QAAAGDK PS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.033 | t | 110733 | VGENVPD DLYIKGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 71353 | VTHESYQE LVKKLEALE DA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 62779 | TAADTPTA TESISPSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | -0.001 | -0.002 | t | 43242 | NANPNAN PNANP | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0.002 | t | 17328 | FPLDLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.027 | 0.02 | 0.019 | t | 67189 | TVTYESFH YFGSAPT | Oncorhy nchus tshawyts cha |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.009 | t | 60594 | SQWNKPS K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 8355 | DGAVQPD GG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.032 | t | 8355 | DGAVQPD GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79463 | WALFRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.018 | t | 100639 | WCVKPKG VSDDQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.041 | -0.031 | -0.032 | t | 59853 | SNKEGVA ADGDALN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 151035 | NGTYDYPK YSEEAKL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99728 | TPEFLEQA FQVDDRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.013 | 0.012 | t | 52825 | QVYYRPV DQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.033 | -0.041 | t | 117519 | GRGTVA AAAAAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.035 | 0.053 | 0.052 | t | 52357 | QSKSTSAA STDEL SGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.019 | 0.019 | t | 65672 | TPNSIAAIS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.003 | -0.002 | t | 32908 | KPTPEGDL EILLQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 98974 | QTMKGLD IQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.038 | -0.04 | t | 135894 | AHGCLFDR RLCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.001 | 0 | 0 | t | 14749 | EVKKKSDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 99836 | QPFPPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.011 | 0.02 | 0.023 | t | 110733 | VGENVPD DLYIKGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.037 | -0.04 | t | 149025 | ANILSRR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.038 | -0.02 | -0.018 | t | 13634 | EPEGIHYH DKFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.029 | 0.03 | t | 53924 | RGLYFPAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 22244 | GRVVLSGK PAIPDREV L | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.029 | 0.03 | 0.028 | t | 98328 | PEVTKAEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.03 | 0.028 | t | 98328 | PEVTKAEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.041 | 0.039 | t | 150999 | IPSIQSRGL FGAIAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119528 | SRKKTFTG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.01 | -0.02 | -0.022 | t | 74497 | YKQKIIAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.007 | 0.01 | t | 73590 | YDTADII | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48597 | PNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 150801 | EDDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 150801 | EDDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.022 | 0.031 | 0.032 | t | 73483 | YCADVAA EELMNAL V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78628 | DQKPPSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78628 | DQKPPSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.019 | -0.02 | t | 51974 | QPTELRY SW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.019 | -0.02 | t | 51974 | QPTELRY SW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 48442 | PLPHVVDL PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120681 | KILPEVKEK H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 118375 | GKALCWV CAQSRKH RDHAMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 153835 | HGDTPTLH EYMLDLQ P | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 47789 | PGYPWPL Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 7765 | DDEHVEEP TVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.011 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 131250 | NHVQAW EQFWDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.002 | t | 133608 | INTTVCAG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.02 | 0.022 | t | 134471 | PKPEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.028 | t | 95897 | TDEYCSPD HN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.041 | 0.05 | 0.052 | t | 20046 | GGTEESVV TASRS | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.011 | -0.009 | -0.008 | t | 121074 | YDFAEAKS GSSIPAK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 55305 | RPQQPFPL QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.011 | -0.01 | t | 73070 | WSFADGN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61944 | STTNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95930 | TTLNPTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.007 | -0.014 | -0.01 | t | 25510 | ICLAVLWVVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.013 | 0.017 | t | 115630 | NFDKLYIWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.01 | 0.001 | 0 | t | 4763 | ASSAAEFLAAFNVFSEAAARC | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 143845 | DLFVTAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98797 | GGFGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | 0.001 | -0.002 | t | 51793 | QPAPATAPSQGGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.009 | 0.001 | -0.002 | t | 51793 | QPAPATAPSQGGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 117749 | APAMIPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.017 | 0.018 | t | 44227 | NIFSGFTPEFLEQAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.006 | 0.017 | 0.02 | t | 35282 | LDRLVESA KREMAQKLA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 99775 | WELQGDRRCQSQLER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138249 | TFRVVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79223 | GASHTV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.017 | -0.018 | t | 49855 | PVEIRRGV ML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 95928 | TSDVAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 132851 | KMSESGA GVQFYLP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 99546 | PSQDPYSP SPYDRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 4023 | AQPGYPW PLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 38918 | LQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 38918 | LQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 48782 | PPFTSAVG GVDHRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 134752 | MGPKRRQ LTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.008 | t | 34278 | KVYVGNY DF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.007 | -0.011 | t | 110766 | AIKSEVSLT GAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.061 | 0.063 | 0.07 | t | 110884 | HEYMLDL QPETTDLY CYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.061 | 0.063 | 0.07 | t | 110884 | HEYMLDL QPETTDLY CYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.061 | 0.063 | 0.07 | t | 110884 | HEYMLDL QPETTDLY CYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.019 | -0.023 | -0.03 | t | 140413 | VVLGAHN V | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 65932 | TQSFLGTTI SGVLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 102005 | QPDQHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.015 | 0.001 | 0.003 | t | 60797 | SRSES RKN RGGREEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.027 | 0.03 | t | 69827 | VLVLDTDY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 293 | AALLQSAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.037 | 0.05 | 0.053 | t | 110389 | QTISTHLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.031 | 0.029 | t | 28291 | IRFKDDTSF EDING | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99053 | VVNKGTG NLELVAVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79459 | VRDGYIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78942 | CTLSVFGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79459 | VRDGYIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.008 | 0.007 | 0.012 | t | 95833 | SGPSGPSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.008 | 0.007 | 0.012 | t | 95833 | SGPSGPSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.009 | 0.024 | 0.02 | 0.018 | t | 23494 | GYVRSGG AVPPACC N | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.053 | 0.058 | t | 131128 | VEMKKED FDIYDEDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.06 | 0.053 | 0.058 | t | 131128 | VEMKKED FDIYDEDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.046 | 0.05 | t | 15323 | FCETNGLE YI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.01 | t | 102563 | KKRPPKPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0.001 | t | 71284 | VTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | -0.001 | 0 | t | 51161 | QIYTINDKI L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 1062 | AELTGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 96714 | NVPKINPK KD | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.048 | 0.058 | 0.06 | 0.06 | t | 55924 | RSQDACIE FVQQEVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.046 | 0.058 | 0.06 | 0.06 | t | 55924 | RSQDACIE FVQQEVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.007 | 0.007 | t | 105997 | PFKFFVPP SEQSLRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 118158 | SRNLYDIG E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | 0 | 0 | t | 138937 | YIGEVLS V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 140510 | TTTHFLAT KFYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.008 | -0.01 | -0.012 | t | 146185 | DAEFGH | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.017 | 0.022 | t | 120609 | IFAD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.013 | t | 110976 | QKSQRSQ DENPVVH F | Rattus norvegic us |

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|---|------|---|---|---|---|---|---|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144705 | KGTHSLYS QIAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144654 | GPHPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138626 | SQKDILER KRAAVDR VC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134909 | EEKLVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136381 | IKHRKRRL RMIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144599 | CNGTHPSL RLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138628 | SQKEVLER TRAELDTV C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141683 | KDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 142913 | MVLNEGT SGTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136649 | SPQRRKRT RQIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 149684 | EPAGSNR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144797 | TGGCTHG CLAVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144778 | SGTHPFLD KSFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144676 | GTHPSLQF T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144598 | CFVGTHP QLRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141693 | KTWG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138862 | KFPED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144809 | VLAPGGT HSRGLLE M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144777 | SGTHMNL YLHDTAFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138627 | SQKEVLEG ARASVDR VC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144685 | HVGTHPM LQPSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135569 | KTNMK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144793 | SYGGRKGT HPGLEMP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144601 | CSGTHPSIS SC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136551 | PIQRKRRQ MPLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144756 | QVGTHPG LANDYEYT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135799 | YGKDVKDL FDYAEQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136358 | HMRKRTKI KKIR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144678 | GTQPTLEV VPMGRGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 142441 | LFSPWLRV QNHF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144656 | GPTHAMF DSSGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136392 | IPKSRKRRI PQR | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134945 | FKAPRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 139029 | DLQVLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127643 | ERPLELRV RVLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125085 | GTPSHSRR QPHVMS | Macaca fascicularis |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133156 | IRLR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 125602 | WMSYPDR TLRTS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132233 | DSGCVIN WKGRELK C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127857 | TDVRYKD DMYHFFC PAIQAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122871 | PETQPGPL TLELQIAK DK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119304 | PNQEKVS GIPEQEYS C | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132984 | AIQNIRLR HENKDL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125600 | WESYPFRV GTSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|-------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132147 | AHLDETV WERPHEFW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125363 | APKTYVSV SGMV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125209 | QFQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133157 | IRLRHENK DLKARL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117940 | KARIHPFHI LIALETYKTH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119220 | ISCAKDGG IPEQEYSC | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132660 | SKAVHAD MGYWIESE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122512 | PEPAKSAP APKKGSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 129732 | RERRGIAL DGKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132727 | VTNEVHT WTEQYKFQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132397 | KEENLVKS LVSAGSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125602 | WMSYPDR TLRTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125004 | DAPDTDW CDSIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131576 | NSRQTDR EDELI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131654 | SGFGVVKK PNY | Oryctola gus cuniculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127852 | TCTIKVVG GYQVNIRV GDTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117506 | GGAHFSVS SLAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127856 | TDVRYKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 124713 | SGEQPSDE QPSGEHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120869 | PGYRSISG PDPRIKRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132276 | ERIIYHFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122712 | ADPEGPLP FPYFERQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132687 | STQTAGP WHLGKLEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132200 | CGNRGPSL RTTTVTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123849 | WQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119382 | VISCAKDAI EDEEGSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118599 | SAPAPKKG SKKAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123734 | SFSKASNS WFPVEGP ADICQ | marmos ets |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131381 | CTYVLDP E NL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125052 | FSLRLMEE NW | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130524 | KFHPKDIP YQVW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118867 | KLSQTSNV DKEEEAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125021 | DWC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131374 | CKAKAQT DREDLRTL LRY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117520 | GSFSDADL AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103998 | IVKWDRD M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108378 | GFAGQAG PAGATGA PGRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105561 | VAVVRTPP KSPSSAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105748 | EFRHDSGY EVHHQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103830 | CHAVKVG NPSC | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115271 | GQKGRGS RG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102510 | HHQKLVFF AEDVGSN K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107744 | APVDSRTY TRVADHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 100070 | GLMVGGV VIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99922 | DAEFRHDS GY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 100070 | GLMVGGV VIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107166 | GPPGPQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105562 | VAVVRTPP KSPSSAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102564 | KKRPKPGG GWNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102423 | FEYQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 100992 | KSLSRHDH IHHH | Ovis aries |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107242 | SQTTANPS CPEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 105561 | VAVVRTPP KSPSSAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.002 | t | 100992 | KSLSRHDH IHHS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110948 | MVTSDAQ IFNKPYWL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106092 | RSGYSSPG SPGTPGSR SR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79858 | IEELQSNH GV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.002 | t | 97231 | CNTKCQTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 93373 | MDKVLNR EESL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79806 | EKPAKTYD DAAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74035 | YGLFHKEK MIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79782 | DNDGPVA AGEARPVP EEYLQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 80102 | YDDAASES SDDDDIDA LI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71004 | VSISPESDR PDLSTF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65409 | TNRNPQ | Mus musculus |

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|---|------|---|---|---|------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68524 | VFMVPQY GYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 96526 | LAANNPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94836 | GSSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74036 | YGLFHKEK MLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63037 | TAVSPTTL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41232 | MDIDPYKE FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44498 | NKGVNPD E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | 0 | -0.002 | t | 59967 | SNYYSDNE IEQHTAKQ PKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46317 | NTWTTTCQ SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41537 | MFSGGGG PLSPGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39164 | LRPGPVSQ PYHHWDT DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48627 | PNEPDDAL AMRIIRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39695 | LSTFMESG EWVMK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48933 | PPTAPPLL PHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56699 | SAAFYYRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55799 | RSAPRITF G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51775 | QNTRNIVP VSIVSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 51233 | QKPLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55115 | RPAPPKPT PQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50502 | QDPDNTD DNGPQDP DNTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51233 | QKPLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50222 | QACKGKIQ ALCEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51827 | QFPQPQ LPYPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11463 | EDVNGIRK PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12982 | ELDGSKNE WGWSKSK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 16101 | FHENWPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 23599 | HCLGKWL GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31105 | KHFRETEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11815 | EENVEENV EENVEENV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 18036 | FTPFYYQS SRTR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 5967 | CADARMY GVLPWNA FPGKVC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5865 | AYLSPIDLN QLAK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10227 | DSSAHGTP STPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9524 | DNPASTT NKDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7491 | DAEFRHDS GYEVHHQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 2780 | ALNGNGD PNNMDKA VKLY | Mus musculus |

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|---|------|---|---|------|-------|--------|--------|--------|---|--------|---------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7048 | CSNSDKPK CGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 3274 | ANETIYNT TLKYGDV | MD |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115796 | IQAFLLYQ EP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115675 | AFLLYQEP VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.007 | 0.01 | t | 86504 | MSAAYDN IYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 21548 | GNYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | -0.002 | t | 3820 | APSQGGV NSPVNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.015 | 0.03 | 0.032 | t | 95850 | SGTSGTSG TSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 71838 | VVSTLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135454 | DYEDRY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 20052 | GGTHSQW NKPSKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.006 | 0 | -0.002 | t | 18952 | GDDPAKA AFDSLQAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 4701 | ASQKIQLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.002 | t | 106375 | EDHAGTY GLGDRK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.021 | 0.022 | t | 5670 | AWITEDCP VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.003 | 0.007 | 0.01 | t | 115068 | KEKVNELS KDIG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.026 | -0.03 | t | 75149 | YNGANGA MKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 117547 | KLEVQATD REENKQIA LGTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.025 | -0.01 | -0.011 | -0.01 | t | 60795 | SRSERR | Marmot a monax |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.021 | t | 122477 | LSLSLDLLT FRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103516 | QDPEGW GKSPGFGT T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156923 | NLHTSF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 124925 | YYVFFEEQ EDEIIGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0.002 | t | 131116 | TQSYPPPP AWRAASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 59374 | SLNTGWL AGLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 125791 | CSFWSKYI QTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.035 | -0.02 | -0.017 | t | 64454 | TISADSKKT KDLVFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.017 | 0.018 | t | 14639 | EVDDEALE KFDKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 56888 | SALYVGDL CG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.009 | t | 49967 | PVSLGGDV PNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.009 | t | 49967 | PVSLGGDV PNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 72693 | WKSCKN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.001 | -0.002 | t | 153251 | AKAFSYW TPFDGKSL YSST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.018 | -0.013 | -0.01 | t | 70795 | VRPATTL ADG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23193 | GVTYEIDL TNKNAAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.037 | 0.04 | 0.04 | t | 97741 | VLDFSTAQ Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0 | 0.004 | t | 30611 | KESQAYYD GRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 8918 | DKLADYKR RM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 8918 | DKLADYKR RM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | 0 | 0.002 | t | 144748 | QAVNPNA GN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | -0.003 | t | 44021 | NGKVNNK VAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 136648 | SPLNNFYK TQLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.03 | 0.031 | t | 136648 | SPLNNFYK TQLR | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.009 | 0.01 | t | 3971 | AQGQYSN TLLRIYRDN KSIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.02 | -0.02 | t | 120450 | DQDLSKK HGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.054 | 0.05 | t | 115600 | DHSYQEEA AMEL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 98796 | GGAVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 139494 | ERGSAGH WTSESSVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.003 | 0 | t | 48494 | PLTASPPA TAPGPSAA NVSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.024 | 0.017 | 0.017 | t | 66833 | TTSTGPCK TCTTPAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 55067 | RNTNRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 10041 | DRRCQSQ LERANLRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156425 | QQEQQGS GNNVFSG F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140247 | KAAESEIEK LTTK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140247 | KAAESEIEK LTTK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.001 | 0.01 | 0.012 | t | 111733 | RKATPTTS STSTTAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.017 | -0.017 | -0.011 | t | 108131 | SKDWSFY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109996 | TRLSRTIGY TVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.011 | t | 41233 | MDIDPYKE FGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.02 | -0.02 | t | 91575 | KIVYEKSQL APRKLY | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.022 | -0.039 | -0.049 | t | 134679 | GGSGPQR RGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 20283 | GIGPEKAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139090 | IKRSNSTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.021 | t | 79277 | KRDGYIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.021 | t | 79277 | KRDGYIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.051 | -0.047 | -0.051 | t | 99138 | DDWDNR HPLPNAPL V | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0 | t | 10770 | DVVGVGRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.015 | 0 | 0.002 | t | 43222 | NANADPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 57977 | SGAPTYS W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.021 | t | 60762 | SRPLIHFGS DYEDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.027 | -0.013 | -0.02 | t | 136634 | SINASPGV VVDIAHSP PAKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79386 | SCSPTVYLT STKCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79086 | SLYPGHVS GHRMAW DMMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 69277 | VKNEEEIA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.008 | -0.003 | 0.001 | t | 11615 | EEFFFQGP EWRKEKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 9794 | DPVAALFF F | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.009 | t | 134257 | VKSTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.031 | 0.03 | 0.028 | t | 117530 | IEFRSDA ESSDGEDF IVEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 136686 | TLHDMGIF SITSSDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 136315 | GGGTGPA DGTNATTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 136749 | WMLRAAE EYSMNLG F | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 136749 | WMLRAAE EYSMNLG F | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 128004 | GMIEVQS NYGFVWD VSLKKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 130994 | PDQRPYC WHYPPKP C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 127984 | FTNLKFKV RKITSSHR GN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 127919 | AFSLPDRS LSAIPFDV SFE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 127944 | DLVNCNL NTNCVAV AFSLPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 110733 | VGENVPD DLYIKGSG | Mus musculus |

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|---|------|---|---|---|--------|---|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 111013 | RTGYIPLG TRPPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 75923 | YSWKTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 73385 | YALADASL KMADPNR FRGKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 66539 | TTASGKLIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 73385 | YALADASL KMADPNR FRGKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 74430 | YKAYVSYK KRKAQEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 70437 | VPPTQSKK KNKNET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 58416 | SHSQLGPP VGGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 58418 | SHSSESHR VKSAGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 36974 | LKNKIFPKK KEDNQAV DT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 13460 | ENDVLNQ ETEEEMEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 20179 | GHRMAW DMM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 12951 | ELAPEDPE DS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 12951 | ELAPEDPE DS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 30349 | KEEKEEKE EKEEKEKE KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 29899 | KANGNGS GDNGDTT W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | -0.001 | -0.002 | t | 8355 | DGAVQPD GG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.012 | t | 24970 | HTRVTGG VQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 10813 | DWICTVLT DFKTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.01 | 0.003 | t | 115785 | HSYQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.023 | 0.02 | t | 56448 | RVVVTPDK EILYEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.019 | -0.018 | t | 138028 | SAGALQLL VVGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.021 | 0.02 | t | 7778 | DDGDKGS DVESYSSM PPLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.04 | 0.04 | 0.04 | t | 123184 | FLTNLPEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 119450 | FRKADKFP M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.023 | -0.018 | t | 65779 | TPTAWKP N | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140914 | VLGHDEA AYSKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.007 | -0.009 | t | 139202 | QIWYERTL PFTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.007 | -0.009 | t | 139202 | QIWYERTL PFTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0.004 | -0.002 | t | 130607 | SHNLVSSA FPSA | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.033 | t | 114142 | PQKSQRS QDEN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.01 | 0.01 | 0.009 | t | 156896 | KHTSLAS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.034 | -0.037 | -0.043 | t | 49015 | PQIPPNW HIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.031 | 0.03 | t | 32912 | KPTTFMLK YDENGIT D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.015 | 0.023 | 0.019 | t | 34115 | KVLSPLQD NNDSGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.032 | t | 135501 | SQWNKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.019 | -0.017 | -0.02 | t | 41810 | MKDTLRIT YL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.009 | -0.01 | t | 23689 | HEHHGVY NQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | 0.003 | 0.002 | t | 133798 | DKIRGEG MRYIIILD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.027 | -0.032 | t | 134198 | PVGPAPG MRPPMG G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 53069 | RAALIEEG QRIAEM | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|-------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47494 | PFGDSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.038 | 0.04 | 0.04 | t | 49510 | PSSLVDSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132468 | LYWFTLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.043 | -0.042 | t | 143962 | KIWKAPH VAKYFDD Q | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.018 | t | 32818 | KPPFSGM TGCGNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.007 | 0.01 | 0.01 | t | 100135 | IEVDNEQP TTRAQK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.011 | 0.01 | t | 42999 | MVTILLCC MTSCCSCLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.011 | 0.01 | t | 42999 | MVTILLCC MTSCCSCLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 135440 | AFPAVT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 136059 | EGY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.065 | 0.069 | 0.07 | t | 52313 | QSESVEFT KDTQTGMS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.007 | 0.009 | t | 39742 | LSVPDGFK VS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.056 | 0.049 | 0.051 | t | 67967 | VDGSDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.038 | t | 134764 | PTPGPSRR GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79344 | QCDAFAV PVEGACM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 130925 | KLLPEDDE SRTYHTV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140460 | EKLKHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140460 | EKLKHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111794 | SPIAPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.04 | t | 134020 | CPEEPQLR MKNNEEA EDYDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 37021 | LKSKIQGLL QQASK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0.001 | t | 102942 | YGCYCGK GG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 158836 | IHNDVEA WIDRYKYL P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 56918 | SANNDAEI GNLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 5054 | ATLVVNRI RGGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 58859 | SKIYQDAA GAAGGMP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 51483 | QLPQGTTL PKGFYAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.014 | -0.01 | -0.008 | t | 29160 | ITYGACPR YVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.014 | -0.01 | -0.008 | t | 29160 | ITYGACPR YVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.014 | -0.01 | -0.008 | t | 29160 | ITYGACPR YVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.03 | t | 116930 | AYKLPQTD DST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144820 | YLEDWIKY NNQK | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103147 | EQKLISEEDLN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108202 | VVSHFND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103372 | LPGEEDLPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132103 | TQKVSFSGQPQNITT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104128 | MNKVYLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79567 | HSYTLMF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 47545 | PFPQPQQQFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | 0.003 | 0 | t | 70261 | VPCSTCEGNLACLSLQ | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135502 | SSSQHL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.041 | 0.029 | 0.028 | t | 15383 | FDFASGLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.041 | 0.029 | 0.028 | t | 15383 | FDFASGLD | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 48410 | PLLSAGIFGAKPLQSLQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.017 | 0.019 | 0.021 | t | 76577 | YYQQTDEANK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.021 | -0.02 | -0.022 | t | 71199 | VSVNDPFI DLEYM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1396 | AFSKIRDF | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.004 | 0.026 | 0.027 | t | 134684 | GSLPQKSQ RDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.011 | 0.017 | 0.018 | t | 113755 | QGQQPG QGQQPG QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 29703 | IYTINDKILS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.019 | t | 134050 | FKPPKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 12931 | ELADALLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 38304 | LNPKTNK WEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.012 | 0.02 | 0.02 | t | 84229 | KEEGGKET KDADVDR R | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.009 | 0.013 | 0.009 | t | 99285 | GLGVPRER QMEPAFD | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141979 | PKKRVVNP FERKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | 0 | 0 | t | 10853 | DYAWDQT HQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.005 | -0.003 | 0 | t | 60319 | SPVMGVI GFSFFVK | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 153378 | EIDLKLEPG TRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132526 | PGSHFCG GTLIHPSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132526 | PGSHFCG GTLIHPSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 7515 | DAGDSGY LT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120448 | DPEFLNLIK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 6455 | CITQYERES QAYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.01 | t | 55678 | RRPQDVK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.01 | 0.011 | t | 21518 | GNSIIHYT NINYYKDA ASNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.024 | -0.02 | t | 39368 | LSGIQLFD RI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 382 | AAPYIEQA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.021 | 0.023 | 0.02 | t | 7084 | CSSLEKTK HRLQNEIE DL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 98974 | QTMKGLD IQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 139619 | TGSSTGGR QGSHHE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.009 | 0.01 | t | 97732 | VGSAAPAF A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.009 | 0.01 | t | 97732 | VGSAAPAF A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.04 | t | 53924 | RGLYFPAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 56715 | SAASCNGF LYFVIF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 33794 | KTNMKH M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | -0.002 | t | 18955 | GDDPLL G NQSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 104950 | QGERSGP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.021 | -0.011 | -0.01 | t | 53342 | RDFSIRES | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 51922 | QPQQPFP QPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 51922 | QPQQPFP QPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.029 | -0.03 | t | 71262 | VTCAMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.019 | -0.021 | t | 40837 | LYLGAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | 0.001 | 0 | t | 10581 | DVENVDG LSLWEMY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.026 | -0.023 | -0.02 | t | 50255 | QAGDQSY FLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.012 | t | 18031 | FTPDYQV PF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.027 | -0.02 | -0.02 | t | 33795 | KTNMKH MAGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 15205 | FAKY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15205 | FAKY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.018 | t | 117600 | PKKAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 65555 | TPEMDIPG QV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.053 | 0.05 | 0.05 | t | 78938 | CAPGQNL CY | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 136827 | DFGSVGG VL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.02 | -0.017 | -0.02 | t | 110954 | NNKYTVTL KATP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.033 | -0.017 | -0.017 | t | 141646 | FSKWRKN HMRQKSN K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 138892 | REQAPNL VY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | 0 | 0 | t | 45495 | NPTLLGEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.004 | 0.009 | t | 27725 | INQDPDKI LTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.01 | -0.012 | t | 14397 | ETHPLYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.01 | t | 97431 | KTFSMGA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.01 | t | 97431 | KTFSMGA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.022 | 0.01 | 0.01 | 0.008 | t | 136363 | IDPLMFKY WSNM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.01 | 0.01 | 0.008 | t | 136363 | IDPLMFKY WSNM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.01 | -0.012 | t | 156938 | PPEKIHV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 47544 | PFPQPQQ PFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 79375 | RNYTLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.003 | -0.001 | t | 86999 | NQKNVRT LEEWE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104226 | RPQDVKFP GGGQIVG GVYLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133116 | GPSRRGPS LG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.02 | t | 55473 | RQQQQQ GLRGEEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 137407 | GPEYWDG ETRKVKA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.008 | t | 23246 | GWGLHQP PPQIFLKIL PQSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 15981 | FGGETFTP DWMMEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.031 | t | 105859 | HARGNYD AAKR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.044 | -0.049 | -0.049 | t | 79042 | PKSKPFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134411 | IPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.013 | 0 | -0.001 | t | 38747 | LPVCPL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 7807 | DDKDPQF KDNVILLN K | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.031 | t | 1522 | AGGGHNG VFDFPDSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.031 | t | 1522 | AGGGHNG VFDFPDSG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 25645 | IDPRGKM V | MD |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 126926 | RGWNPGE LYNGFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.028 | -0.02 | -0.02 | t | 27244 | ILPGGGTA LIRC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.03 | 0.022 | t | 58022 | SGETTTAA GTTASPGA ASGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.038 | 0.032 | t | 110909 | IVTFCKKC DSTLRCLV QST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.044 | -0.04 | -0.04 | t | 48864 | PPPPPPPP PPPPPPPP pppp | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.01 | t | 20793 | GLDFNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41014 | MADNGTI TVEELKQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | 0.003 | 0 | t | 115260 | GAEGQRP GFGYGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 115266 | GLFQINN K IW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.02 | -0.021 | -0.02 | t | 131294 | DWGLPIPS PSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 116947 | DIDYS DYS TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 9609 | DPDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.036 | -0.03 | -0.028 | t | 123438 | LKMWSNF LG | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.011 | 0.017 | 0.018 | t | 113754 | QGGQPG QGGQGG QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98731 | DITNPINLR E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.03 | t | 108131 | SKDWSFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.03 | t | 108131 | SKDWSFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.03 | t | 108131 | SKDWSFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0.001 | t | 131698 | TGVDVSM NTHLKAVK MTLKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.004 | 0.01 | 0.01 | t | 94548 | HYTQMV WGKTKEIG CGSIKY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.004 | 0.002 | 0.009 | 0.01 | t | 57908 | SFSPNNTN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 595 | ACSFSSIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32783 | KPLDKFGN IYDYHYEH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32783 | KPLDKFGN IYDYHYEH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.022 | 0.02 | t | 135991 | SEKKISSIQ SIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.048 | t | 118361 | FRFLALKLY FSFTRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.004 | 0.001 | 0 | t | 18764 | GASDLRSS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.021 | 0.022 | t | 28505 | ISGDLKTQI DQVEST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.039 | 0.031 | 0.03 | t | 65860 | TQGSNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.001 | 0.007 | 0.001 | t | 122732 | DRKASPPS GLWSPAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | -0.001 | 0 | t | 13248 | ELRGLAQA LIDQKVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.007 | 0.01 | 0.011 | t | 51286 | QLAKDKV NE | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.011 | 0.014 | t | 45591 | NQMIITM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 21466 | GNLLFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.014 | -0.01 | -0.01 | t | 71182 | VSVAFGNP GDTPVTG | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.014 | -0.01 | -0.01 | t | 71182 | VSVAFGNP GDTPVTG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.009 | t | 105890 | IVYVG DGVC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.02 | 0.02 | t | 118023 | MRPPMG PPIG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.021 | 0.021 | 0.018 | t | 99227 | ERQMEPA FDQFRQTY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 79547 | FHQMPDA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 119583 | GNVFSCSV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22123 | GRLGTYRY VSSGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.033 | -0.03 | -0.03 | t | 50741 | QFAPSASA FFGMSRIG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.024 | 0.021 | 0.022 | t | 24703 | HRQWFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.083 | 0.08 | 0.08 | 0.079 | t | 113679 | PEVPEVED E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.03 | t | 53032 | QYSPGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156899 | KLGDPLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 156899 | KLGDPLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 1379 | AFQNRLES IK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.036 | -0.023 | -0.028 | t | 38208 | LNENLLRF FVAPFPQV FGKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153393 | GPDAPRIP LSKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.042 | -0.033 | -0.032 | t | 89067 | SRTRTTSV GDKQVAS KV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.02 | 0.027 | 0.028 | t | 63287 | TEAEDVIP EGWKADT SYESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.087 | -0.081 | -0.082 | t | 131052 | RRRMMM QSGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123226 | GGGATPV V | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.01 | 0.013 | 0.01 | t | 156980 | YTLGHFHG QPQL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.009 | t | 53355 | RDGQLTIK AERTEQKD FDGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.033 | 0.04 | t | 123441 | LLEYLGEEY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 58076 | SGHRMA WDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 118762 | CYGSFAKP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 108874 | DPISGHVS LF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.033 | 0.03 | t | 31133 | KHLYVSM PTAQSTM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 115304 | KCEVFREL KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115605 | GDEVELPC RISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115605 | GDEVELPC RISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112190 | KVTMTCK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.013 | 0.01 | t | 106515 | HLPSFLRP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.011 | t | 134031 | DEYDEVA MP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108036 | MSVPQTT YSKITELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.006 | -0.009 | -0.011 | t | 35994 | LFTGHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132933 | WGQNSFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.009 | 0.01 | 0.008 | t | 4528 | ASLKDALL KYIYDNRG TLI | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.009 | 0.01 | 0.008 | t | 4528 | ASLKDALL KYIYDNRG TLI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 51575 | QLVNTNG SWHIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 51575 | QLVNTNG SWHIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.016 | 0.023 | 0.032 | t | 120951 | SLDPEFLN LI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.021 | t | 122734 | DSVPKWD RLPC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 95263 | ATYHLYNS QD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 95263 | ATYHLYNS QD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 23983 | HHDSLESR RLREEED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | -0.003 | -0.002 | t | 111822 | TEHNATIL FLKSDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.013 | -0.023 | -0.033 | t | 117449 | CVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.05 | -0.049 | -0.05 | t | 66137 | TRYNDALS HDRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.014 | -0.011 | -0.01 | t | 52472 | QTAPKAPT EA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.009 | t | 19636 | GFTTNEER YNVFAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.009 | t | 19636 | GFTTNEER YNVFAE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.002 | 0 | 0 | t | 49270 | PRVRGLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.019 | 0.023 | 0.02 | t | 1497 | AGEPYVIE QGMMDP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 109908 | SFFLYSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 117103 | TYQDFSTR PRSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 142381 | AAEFATEV KKAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.009 | t | 42697 | MSTNPKP QRKTKRNT N | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.012 | t | 27678 | INKVVRFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 115277 | GYDTQAIV QN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.04 | -0.039 | t | 134017 | CFHQGKEY APG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.007 | -0.011 | t | 110949 | NAEKVLEK LGYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156876 | GLHANLQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.012 | t | 140839 | DERGTPEY NIALGQRR ADAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 131849 | DPYVTPGS VINNLSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 108785 | APGPAGEE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 103105 | DGYPIINYE YAIVNN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.004 | 0 | 0 | t | 21841 | GPYAGPM ERQKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 131628 | RGYDSYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.007 | -0.009 | t | 56942 | SAPSSKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.007 | -0.009 | t | 56942 | SAPSSKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.051 | -0.04 | -0.04 | t | 44002 | NGIRRPKH LYVSMP | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136522 | NDFFTYHI RHGEVHC GTNVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111552 | MKVSNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 40453 | LVLNRLKV GLQVVAV KAPGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.012 | 0.013 | 0.012 | t | 74449 | YKFEQPTL TFGAGVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.031 | 0.03 | t | 22223 | GRTWAQP GYPWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.025 | -0.01 | 0.002 | t | 69261 | VKLQCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 44555 | NKNDNKN D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 44555 | NKNDNKN D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 44555 | NKNDNKN D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 44555 | NKNDNKN D | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11814 | EENVEENV EENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11814 | EENVEENV EENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11814 | EENVEENV EENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 5674 | AWLVHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.007 | 0.01 | 0.01 | t | 49877 | PVGSQGIR LSWEVQ | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.008 | 0.02 | 0.023 | 0.02 | t | 156872 | FSKSSWE SWLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123225 | GGATPVV G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153867 | QLLRREIK NT | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118185 | TSQFTGLK C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.011 | t | 21807 | GPTEESVE RAMGRVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.002 | t | 3880 | APTYSWG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 28912 | ITGHRMA WDMMM NWSPTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 4884 | ATALDTSN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.001 | -0.01 | t | 119477 | KKTKGLVT T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.01 | 0.008 | t | 94641 | PESWHTR WDE | Homo sapiens |

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|---|------|---|---|------|--------|-------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49297 | PSAPPLPH VVDLPQLG PRR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 146624 | WNWFDIT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 78562 | VYASPNTT GLNDIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | -0.002 | t | 137942 | PGSEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132933 | WGQNSFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.029 | 0.03 | 0.029 | t | 133737 | VTPYFSYP VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.023 | 0.019 | 0.018 | t | 51262 | QKTTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | -0.002 | t | 7491 | DAEFRHDS GYEVHHQ K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.037 | 0.04 | t | 70070 | VNGENLV GDDVVLA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.037 | 0.04 | t | 70070 | VNGENLV GDDVVLA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.037 | 0.04 | t | 70070 | VNGENLV GDDVVLA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.037 | 0.04 | t | 70070 | VNGENLV GDDVVLA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.004 | 0.007 | 0.008 | t | 74436 | YKDGTLP LSTKDLTTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 69271 | VKMAETC PIFYDVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 31580 | KKIQDCYV ENGLIS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 12408 | EICPAVKR DVDLFLTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 151729 | RYSPSLNT RL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 153836 | HGPKATL QDIVLHLE P | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.033 | t | 30261 | KDTLRITYL T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.015 | -0.02 | -0.022 | t | 7143 | CTGDARH C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.033 | -0.033 | t | 109386 | KATTVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.019 | -0.02 | t | 63043 | TAWDFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.047 | 0.047 | 0.051 | t | 94606 | LTGGFYEP L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.015 | -0.007 | -0.001 | t | 103986 | IHVLNSES GSAGQMV QD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.008 | 0.003 | 0 | t | 110957 | PAAVTLAE ADRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.013 | -0.01 | -0.01 | t | 68023 | VDMIAGA HWG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.019 | 0.02 | t | 78854 | TKDTNNN LKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 60991 | SSFFSYGEI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 51286 | QLAKDKV NE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0 | 0 | t | 51286 | QLAKDKV NE | MD |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 57766 | SFFSYGEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0 | 0 | t | 57766 | SFFSYGEI | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 915 | AEGDDPA KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.006 | 0.013 | 0.022 | t | 120460 | DYDLFALA PS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.032 | t | 142485 | YNIYSEKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.029 | t | 131075 | SQSYPEPA RGSVPMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 142166 | GLRRDLDA SREAKKQL EAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.024 | -0.02 | t | 39368 | LSGIQLFD RI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.014 | -0.01 | -0.008 | t | 12625 | EKAFREL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 30299 | KEALDKYE LENHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111295 | FVAHSPP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111559 | MPLVSQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 111560 | MPMTPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 45597 | NQNNFVH DCVNITIK QHTVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.013 | t | 78142 | EKEEPTAA PAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.009 | 0.01 | t | 97960 | DTNNNLTL VP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.033 | 0.031 | t | 53494 | REEVSFRV GLHEYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.011 | 0.01 | t | 32382 | KMPMYIA GYKTFDGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 116855 | WPVGGEH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.018 | 0.029 | 0.03 | t | 21462 | GNLADDTI N | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.038 | -0.03 | -0.028 | t | 38434 | LPDKFNAY LANKWV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 48395 | PLLGIGST CAEDGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 37316 | LLGIGSTC A | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.008 | t | 139526 | ISVRTVYPP E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.068 | 0.073 | 0.07 | t | 114207 | FLGELTSSE VATEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 12951 | ELAPEDPE DS | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.026 | 0.033 | t | 24445 | HPEYAVSV LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 140570 | KMEMFTYI RCDMELT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | 0 | 0 | t | 159078 | RSKHNRRE GYKVQVQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.036 | 0.04 | t | 135941 | ITTQECAN VVVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.012 | t | 63885 | TGLPSSDR AFLVSVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.022 | t | 52121 | QQQPFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51939 | QPQQTFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.041 | 0.05 | 0.052 | t | 20046 | GGTEESVV TASRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111573 | MSSQFYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111738 | RPGKEIEA YIFEMFN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112402 | WNDNKFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.029 | t | 120020 | LEDPASRD LVVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.037 | 0.03 | 0.029 | t | 120020 | LEDPASRD LVVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79547 | FHQMPDA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.039 | -0.041 | t | 103331 | LAALPDFL GGFAGLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.035 | 0.037 | 0.039 | t | 7902 | DEAEEEDE NPYVFED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.021 | 0.022 | t | 130905 | IRCFKRHG AEVIDTPV FE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.065 | -0.06 | -0.059 | t | 133667 | QDVCTYR DFMYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1115 | AEPKPAEP KS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.02 | 0.019 | t | 120679 | KIFADDID | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.001 | t | 119052 | WNPADYG GIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.001 | t | 119052 | WNPADYG GIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 109947 | SRWQEGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 22755 | GTLVKTIT DDQIEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 24012 | HHPSTNQ EQTSLYVQ AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.009 | t | 56730 | SADGTTVT SGSTKDT LQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 6479 | CKGKIQUAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 58434 | SHVPLATS RTLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 116978 | FPSHYWLY PPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.011 | -0.018 | t | 96463 | KIKDPDAS KP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.041 | -0.03 | -0.03 | t | 51942 | QPQRPFQ QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 73637 | YEDRYRE NM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 73637 | YEDRYRE NM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112125 | GFSLTYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.009 | t | 104521 | IGTLKKILD ETVKDKIA KEQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.018 | t | 134219 | RPYNIYPH GITDVRPL YSRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.021 | 0.021 | t | 144791 | STIDYFQP NNKR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.032 | 0.033 | 0.03 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.016 | 0.01 | 0.01 | t | 35231 | LDNAKYQ A | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.001 | 0.016 | 0.01 | 0.01 | t | 35231 | LDNAKYQ A | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.008 | t | 63038 | TAVSPTTL RTEVVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.007 | t | 107479 | KFNWYVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68018 | VDLPQLGL RR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.018 | t | 135458 | FGSDYEDR YYR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.01 | 0.01 | 0.01 | t | 119564 | EDPSVEEE EIAPPLPP | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119564 | EDPSVEEE EIAPPLPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.021 | -0.017 | -0.021 | t | 99088 | AFDQFRQ TYRQWIIE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 42683 | MSTNPKP QKKNKRN T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.014 | -0.003 | 0 | t | 142324 | VELAILDN INNTLVNL EWL | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 94444 | CCHPACG KH | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.005 | 0.041 | 0.05 | t | 44172 | NHVADIDK LIDYAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.031 | 0.031 | 0.03 | t | 49261 | PRTGLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.002 | t | 149468 | SKHPNWT NTQVRSSL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.015 | 0.021 | 0.019 | t | 56017 | RTALNCN DSLQTGFL AALFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130289 | VSAAPGSA APAAGSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.048 | t | 107607 | RVVSVLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.014 | 0.023 | 0.02 | t | 58381 | SHLPYIEQ GMQLAEQ F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.01 | 0.021 | 0.022 | t | 21653 | GPGVAGS G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.011 | t | 39160 | LRPFHQILY GMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | -0.002 | t | 136364 | IDPLMFKY WYNM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | -0.002 | t | 136162 | DAWKMRLL SQMYD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136162 | DAWKMRLL SQMYD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 142480 | VAAVTEKL RAGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145150 | DSSTYQYIY NLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136364 | IDPLMFKY WYNM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141683 | KDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136071 | LLYGEVGD TLLIIFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134237 | SQWN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 148632 | IDSEELIN KKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137747 | DTPLTYAG LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138840 | DREQAPN LVYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136064 | HQIALRME VLGCEAQ DLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 143959 | KFPHLAVG F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145643 | YDASLEDQ KGLVA | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 150978 | EKNVTVTH SVNLLED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136082 | SDDPSPGA IDSNNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145539 | SSTLCFWF PLAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 142006 | SDSAQGS DVSLTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 139618 | TGQLVHRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145655 | YQYIYNLT CEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141523 | ALEPPHNL PVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 153472 | TGLRNGIT NKVNSVIE KAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135076 | KNDVVNS QNKTEKTE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145531 | SPLLRSPIQ R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134075 | GWGQGG THSQWN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 150204 | FHSVVTHTL LEWLMEK ELMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 147083 | LCSEYRNT QIYTIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134860 | AGPKAQV EAIQKY | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136818 | ANFIIFRPV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134492 | QIQRPS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 156373 | LTNKITAW KSQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 159296 | SFSKPSNS WFPVEGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | -0.002 | t | 136648 | SPLNNFYK TQLR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | -0.002 | t | 136727 | VNWNSW HKTNLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 140674 | ESQPDPKP DELHKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145369 | MWCKIGH DRCEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136685 | TLFTPKS PAKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138456 | KEQFEFAL TAVAEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 138456 | KEQFEFAL TAVAEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134200 | PVVNSLDP PLLTRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136083 | SEGAEYDD QTSQREKE DDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 142435 | KTDGKGEE SE | Homo sapiens |

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|---|------|---|---|---|-------|---|---|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144467 | RPWLVHP RHRY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137735 | DTALTREA LRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137827 | DVKSAIEG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136066 | IETDKTSV QV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136302 | GALIYTPEK YTI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144623 | EEAEGTTD AQIDANRK RESE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145376 | NCWKPVQ LHC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 148701 | PAELMRRF ELYF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136081 | RTTLQSDQ EEIDY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 156601 | ADEPNNL NSK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134220 | RQGAEP KNFVKPNE TKTY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145239 | HHQIDGG NWFHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.002 | t | 136066 | IETDKTSV QV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 137748 | DTQLTLEA LKL | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 150987 | GKCPKYVK STKLRLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | -0.002 | t | 136635 | SIPTYTPDK VTY | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 142441 | LFSPWLRV QNHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134220 | RQGAEPR KNFVKPNE TKTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 151023 | LCKLRGVA PLHLGKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136138 | APYDTPW PSPSL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 146795 | CCELCCNP QCAGCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119410 | YKMFPEVK EKGMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 125246 | RRQPHVM S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 119331 | RTVLVSM NYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119378 | VDYNLKW NPDDYGG VK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130607 | SHNLVSSA FPSA | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127980 | FPVIPGINI EQKNACS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131010 | PSTRWTEL DDVKRLK GSRs | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132849 | KKVLGEKT ENPKKFK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 133469 | YYNETKL KESYKVKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123193 | FQIHGPR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123193 | FQIHGPR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128066 | NSYDVLSA LSGNLKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128004 | GMIEVQS NYGFVWD VSLKKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128079 | PSPDITSTT KTRNFDLV NCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128115 | SSHRGNICI GATNYVA DN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122269 | ARQNLKD AGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 133041 | DHVVDYK ESNETKLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131524 | KPREE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128043 | LDAMPAG NPAFPVIP G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122932 | VCTPKSDE FNPCE DIMGYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122269 | ARQNLK DAGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122471 | LLTEHRMT WDPAQPP RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123442 | LLKDRLKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128071 | PIDYIIANS QANPEVFI ADS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125055 | FVYGGCQ GNN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118077 | QEMPLTA LLRNLGK MT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118991 | RAEDNAD TLALVFEA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128152 | YIFSEEAQ VKDVPVVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 124560 | NGVELRD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131818 | AKEERRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118829 | GVLGQA SQLNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132352 | GQELKNP Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133181 | KPEAPRRR SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133289 | PRSPKM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118362 | FTQLNPTD GGSA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118258 | AKSPEKAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123380 | KLPGKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132269 | EPVDGVVL VDPE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122094 | FLALDVPTI GLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133877 | LEAKICHQI EYYFGDFN L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128067 | NYVADNF FYNVEGR WGSQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119378 | VDYNLKW NPDDYGG VK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128146 | WSVCVGL TTYVNDYV LPYLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120649 | ITVGLQLIQ LISDEVN QIV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117509 | GQIPPGAM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122778 | GMTHMTS RDIEVQGF RI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130614 | STLPYLPTY SKH | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119499 | MTFSVPIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 121292 | FATFVYAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118060 | PPPGMRP P | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 132644 | SAKEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123758 | SSSSQFQIHGPRQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122399 | HPQPEDPDTAKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123826 | VPRESY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130622 | TGLVAQGTDSIG | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128005 | GNLKLCFCGDYIFSEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125250 | SDEFNPCEDIMGYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118141 | SKGRRFKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 124008 | DGVVLVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134015 | CDKNTGDYYEDSYED | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119642 | SEHETRLVANLLENNYKQVIR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125250 | SDEFNPCEDIMGYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119331 | RTVLVSMNYR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122138 | LKKDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122205 | VFTLPPPLPETH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122943 | WDPAQPPRD | Homo sapiens |

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|---|------|---|---|---|-------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117437 | AIALREYRK KMDIPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118867 | KLSQTSNV DKEEEAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120946 | SISPESDRP DLSTFMES GEW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 134020 | CPEEPQLR MKNNEEA EDYDD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123359 | KFPEDFES C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119229 | KHARKER NITGGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117399 | VMIKSLPA LNSPTVEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125230 | RERRGIAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | -0.002 | t | 124588 | PQEETLQA FDSHYDYT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118499 | LQEMPTL ALLRNLGK M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120920 | RLVEHLLD PSRYNKLIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122486 | MILHPDV QRRVQQEI DDVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127986 | FVGVGAD YRHASCPI DYIIA | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120436 | DGTKVSIS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130513 | IGYQPSMP LDMP | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127944 | DLVNCNL NTNCVAV AFSLPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119025 | SWTDTDG TN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118678 | WPLHDGG AVNRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120416 | AVALREYR KKMDIPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118763 | CYGSFARP MN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 121070 | WVYYTCC PDTPYL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117614 | QGFPFYDK PMRI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122129 | KTVTVKED QVMQQN PPKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 133231 | MGPRRRS RKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 119378 | VDYNLKW NPDDYGG VK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Cricetulus migratorius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 129301 | LQELEKDE REQ | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128010 | GRWGSQR AVNVSGG FQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122167 | PPPITQGE CKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 120528 | FIEWLKVKI LPEVKEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118633 | TNSFNDSG SAPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 119410 | YKMFPEVK EKGMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118146 | SNLDHILE PSIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128089 | QVYYRPV DQYSNQN | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 122430 | KGLRRDLD ASREAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128084 | QKNACSF DLCNSYDV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118762 | CYGSAKP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128133 | TSEPLNSES EVTDGMIE VQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130555 | MHNRTQA LEDSR | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 126151 | GMGCSSP PCECHQEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127933 | APDDSFKK LEDRTNL KF | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118764 | CYGSFARP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 118381 | GKTCPEI PKGSKNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117613 | QEKLQVAL GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 123144 | ENPTMAG YR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 127950 | DVPVVTSTV TTAGVGPS PDIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117348 | PTRAPSGP RPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104367 | YSNGGPFL TPIVPTAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105803 | GAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107303 | AWKYENG NDKHYAD SVNG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115155 | NNQRKKA KNTPFNM LKRERN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110920 | KPSPWAP KKHRRLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 98841 | KAMVIVV VNKGTGN LELVAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110980 | QPLGVGIS GHPLLNL DDTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104851 | KGAIIGLM VGGVVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104051 | LPSDPIGG KSNMHFM NTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110862 | GGPTLVSL HELPAETP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103965 | GYKYLPGP NSLDQGE PT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99838 | QQRPFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115540 | VKNKRTEL SPWISNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110126 | YIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105653 | AEIVYKSP VVSGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103792 | AGTELSAT GNESGGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107346 | ERMFRK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 110980 | QPLGVGIS GHPLLNL DDTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108551 | NDSLNTGF LAFLEYTKK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110903 | IDGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107448 | IPSTVKA | Rattus norvegic us |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110856 | FSADLDQF PLGRKFL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104850 | KEGILQYC QEVYPELQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104049 | LPPKLLTEP TTEGDQH PGT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 101490 | ASGEVPVK PSEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103972 | HNPINAGT ELSATGN | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 101558 | DQPDQHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 101689 | GNNNDST GSSDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107852 | GEQSSIIQ Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 116971 | FAVLKLM GRGTKF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104327 | VEQHNPIN AGTELSAT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107326 | DVSDMF SK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 112584 | LPWNAFP GK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110916 | KLDDTENA SAYAANA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99833 | PPFSQQ | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108482 | IINPSENG DTSTNGIK K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107668 | VSETLK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106375 | EDHAGTY GLGDRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99834 | QGGQGY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108164 | TLVCLATG FFPDHVEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107517 | LSTNEVA M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102130 | TKLYQNPT TYISVGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 113257 | ADNKAPQ GLLC | Rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107487 | KKPTPSTL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110855 | FNRAAGTV GENVPDD LYIKGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104362 | YNDDEPN GAIRFTMG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110910 | KAKPKFTL GKRKATP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104213 | QQFNQQA PLNLENTN NGTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 101716 | HQPTPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106313 | CQQYGSS PQTFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104231 | SAADEKFI KETEHAKE YG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108897 | EIDGPAGQ AEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 108291 | AVGADES VVKEAHRE VINS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104175 | PINAGTEL SATGNESG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107358 | FGEL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 106256 | ANYGYTFG SGTRLTVV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104057 | LTEPTTEG DQHPGTL PAANT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 101983 | PVYQQQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107201 | LIVPEGAR TSLN | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117344 | PPGMRPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107194 | LEQTELSV TRET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107486 | KKPTPST | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117366 | RRREGPDR SPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 101582 | EEDLRTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103998 | IVKWDRD M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 101962 | PEPVQEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115483 | SFFDIGGS VSAGFSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107536 | PAPDTLKE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107324 | DTLKAGLI R | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104216 | RAFAPKLS ETDSPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105163 | EFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 101953 | PDPLSPGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107229 | RHEVTEM GQEV | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117383 | TLHKAFKG SIFVVFDSI ESA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107618 | SKPQSETL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107309 | DAGPYVSP TFFAH | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104327 | VEQHNPIN AGTELSAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110975 | QIFNKPY WLQRAQGH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110845 | EYMLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110877 | GTVGENV PDDLVIKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103986 | IHVLNSES GSAGQMVD QD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110845 | EYMLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104695 | YLLYYTEFT PTEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 100129 | HYKWLND PLAAW | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 115351 | LKQKSSNS RKKRSTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107378 | GELP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 103940 | GLTLPGYK YLGPGNSLD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102093 | STGSSDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105971 | MVGGVVI AT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110762 | AGSSIVPLE EYPAEIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104834 | HQKLVFFA E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 101412 | WIRNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 110855 | FNRA GTV GENVPDD LYIKGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107455 | KAKGQPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107013 | YGASSRAT GIPDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107368 | FSSAP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 116286 | CGKGLSAT VTGGQKG RGSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111272 | FGAMDFT TLQANKSE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 111272 | FGAMDFT TLQANKSE | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117246 | VTWEVLE GEVEKEAL KKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102172 | VDQQQQP TQGDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99842 | RPQQPYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 105090 | AIIGLMVG GVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 102390 | EHRAW | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97484 | LVEETSFID AGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61801 | STNSGINN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97370 | GTVLVTRK AL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94553 | IFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75991 | YTDAPSF DIPNPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 96874 | SIAPDLSLD FEKLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64396 | TINKPKGY VGKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63022 | TATRLLSST NSRLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67253 | TWEVLH | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67253 | TWEVLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79153 | ALQREAAE RSEDEIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71312 | VTGATVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64032 | THGQWN KPSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61410 | SSTRGGS R VEGIFAGL FMNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64045 | THKVGTSF TFES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70038 | VMYASSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66050 | TRLENLM WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67253 | TWEVLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75391 | YPQPQFP SQ | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67564 | VAEFIEKVS RR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60480 | SQKSADQ SIDFGQL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65000 | TLPERVRP PDDWAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75391 | YPQPQPFP SQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71354 | VTHESYQE LVKKLEALE DAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60527 | SQPQQPFP PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66833 | TTSTGPCK TCTTPAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70038 | VMYASSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68415 | VEYTKYND DDTFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73430 | YAQYMSR AYAFLGE DPGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75392 | YPQPQPFR PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 82843 | GQPAADH YYSKVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78424 | IPRSRQIDL QIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 64396 | TINKPKG YVGKE | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74068 | YGPQVDY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 76290 | YVHDNC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 69568 | VLKLSI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61800 | STNS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78159 | GALATYQS EYLAHRRIP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 76453 | YWERGIPLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67967 | VDGSDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63122 | TDAYNQKL SERRAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65421 | TNSGINNS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67931 | VDEKKM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66480 | TSVENAQ QDKGIAIP HDIDL | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75409 | YPSGAWY YVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60596 | SQWNKPS KPKTN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65790 | TPTPVNPS TAPAPAPT PTFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71312 | VTGATVS | Oryctolagus cuniculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64057 | THNQWN KPSKPKTN LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97348 | GLFGAIAG FIEGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60721 | SRKSYKKM LKEMGEV APEYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64057 | THNQWN KPSKPKTN LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73784 | YEVRAELP GVDPKDK VDIMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70437 | VPPTQSKK KNKNET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64032 | THGQWN KPSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64057 | THNQWN KPSKPKTN LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75659 | YRPLGPGT PPMRARL PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71531 | VTTSGGRR Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 92303 | AKRFKINAI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 95008 | EDVFQNG FTAW | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67931 | VDEKKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61686 | STKAAKKP EAKREAI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 85833 | LSIIAEQSN STVDNQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63102 | TCTTPAQG NSMFPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65733 | TPRAQATL LR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 85833 | LSIIAEQSN STVDNQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 66050 | TRLENLM WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63391 | TEHRDYHP QQRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60917 | SSAVVDNK LKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63038 | TAVSPTTL RTEVVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73636 | YEDRYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64663 | TKRRITPK D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65556 | TPEMDIPG QVNNLME IAEVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74430 | YKAYVSYK KRKAQEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74687 | YLGYLEQL LR | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64056 | THNQWN KPSKPKTN FK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 96409 | INDMPITN DQKKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68200 | VEGMQFD RGYLSPYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72911 | WNSTTFH QTLQDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75418 | YPTFGEHK QEKDLEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94943 | TKVSNGAF VPNM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72911 | WNSTTFH QTLQDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66072 | TRNTGQP ATDHYYSN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67931 | VDEKKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67615 | VAGRKKLE ELERDLRK TK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65770 | TPSPDRDE RGALGWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94832 | GLFGNNE NQTKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64978 | TLNKDQLL SSSKYTIQR STG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65779 | TPTAWKP N | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 88388 | SAWNSDS EKPFDDHL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 79622 | NYARTGG QVTAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73131 | WTGVAQ D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75318 | YPHQPPQ QFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60592 | SQWGWG GSTDEYCS PDHNCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 95058 | AGLQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70729 | VRGLYFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63730 | TFPQPQQ TYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64010 | TGYRYDSR TGFFATN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 65568 | TPFHHQH STGFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72087 | VYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 96457 | KGTVNLT WSR | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64010 | TGYRYDSR TGFFATN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74488 | YKPLGALT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94580 | LDNKYAGK GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64057 | THNQWN KPSKPKTN LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72504 | WGQGGG H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64032 | THGQWN KPSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75372 | YPNQVYYR PVDRYSN QNNFV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66767 | TTPKNPTK RRITPKDVI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78077 | YPYSMWK NLWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63604 | TEYYLNHG KWPEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65555 | TPEMDIPG QV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64985 | TLNPTI | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 67187 | TVTTTTKG ENFTETDI KI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68200 | VEGMQFD RGYLSPYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79111 | VNKGYTG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60753 | SRPGSTTP SGNSARYG NNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61843 | STPVAPTQ EVKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68895 | VHTWTEQ YK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74415 | YIWPRND YDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67930 | VDEKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67932 | VDEKNM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68052 | VDQYSNQ NNF | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 72961 | WPQRVVT KKGRTFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 91109 | AHFVQQT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97256 | EGAKGEN KRPNDKA GEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64884 | TLKREIEKD G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63604 | TEYYLNHG KWPEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74009 | YGGPANK KNAG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94956 | TTGNAAA PSTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 67187 | TVTTTTKG ENFTETDI KI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 78253 | QGGCGRG WAFSATG AIEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66539 | TTASGKLIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66539 | TTASGKLIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 79648 | SPLLGCIGS TCA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60526 | SQPNTeqs PAIVLPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65974 | TQYERE | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 91100 | AFQTPVHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 95058 | AGLQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94430 | AIFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66841 | TTTCFRDT DTGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75791 | YSLFQKEK MVL | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73365 | YAHHAHH A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 96701 | NQSLAFIR KSDEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63217 | TDQMEVD SGPRKRPL RGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 61818 | STPGIVI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60663 | SRGAPGG GFVPSLQG VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68969 | VIGHEITH GFD | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94884 | MRRAHRR RRRASHRR MRGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.002 | t | 64698 | TKWCPPG QLVNLHDF RSDEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97035 | VGINYWL AHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60595 | SQWNKPS KPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71681 | VVGYGWV PAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97075 | VSCYGKTK CTASNKNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63758 | TFTNPVVS TTQWSAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65920 | TQQPFPLQ PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 94041 | TKRFKINAI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63146 | TDELNQQ RDDITRAI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 96102 | APLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63760 | TFTVKVGD KELFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 70937 | VSFQYNA VGPYLNIN FFDSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65409 | TNRNPQ | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 68813 | VGVIKSIAP ASKNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 71212 | VSVTDHKK WQFNSPF VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 66357 | TSPFTEEYL LPPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97177 | AELPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75532 | YQPQQPF PQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 65050 | TLRVYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60535 | SQQPQQP FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51906 | QPQPFPP QLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 51454 | QLNPKDN DVEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51001 | QHGHMH GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51001 | QHGHMH GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 37055 | LKVIRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38313 | LNPTIA | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60348 | SPYQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 37055 | LKVIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51906 | QPQPFPP QLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39916 | LTGISICNP GSSLC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44742 | NLIESEHS NNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51912 | QPQPFRR QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56469 | RWAPTGA PADVTDQ L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45420 | NPNDPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52086 | QQPFPQQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51828 | QPFPQPQ QTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48715 | PNVDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51463 | QLPFPQQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46795 | PAFLGCSS RFSGSFSG VEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43247 | NANPNAN PNANPNA NPNA | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52157 | QQTFPQP QQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40922 | LYREFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49928 | PVPAPRRK VGSDCGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49108 | PQQQPFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48933 | PPTAPPLL PHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58402 | SHRELWA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38313 | LNPTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58582 | SIKEDVQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38313 | LNPTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51942 | QPQRPFQ QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49967 | PVSLGGDV PNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49119 | PQRPQQP FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51939 | QPQQTFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46371 | NVESQPG GQPNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52161 | QQTQQPF PLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48690 | PNPNDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55261 | RPPNAPIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58833 | SKGATKEA ST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49099 | PQQPQQS FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55305 | RPQQPFPL QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46786 | PAEVTQLK GLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52445 | QSTVAELQ RLKMKVG KTREL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58863 | SKKHKDNE DAESVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47045 | PCSICSNN PTCWAICK | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|-------|----------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59922 | SNTFINNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52088 | QQPFPQR PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38946 | LQPGKTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50814 | QFQGQQ QPFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50814 | QFQGQQ QPFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51772 | QNTEEME NLSDRVAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51772 | QNTEEME NLSDRVAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52085 | QQPFPQP QQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47045 | PCSICSNN PTCWAICK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46868 | PANCPKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40739 | LYDSYAYY G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47045 | PCSICSNN PTCWAICK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45443 | NPNVDP | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 38919 | LQNDPTT NVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 53977 | RGSGPEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49576 | PTAGAQIA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38919 | LQNDPTT NVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | -0.002 | t | 43233 | NANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59922 | SNTFINNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43233 | NANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55307 | RPQQPFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49097 | PQQPQQP FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51772 | QNTEEME NLSDRVAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38313 | LNPTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39504 | LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55193 | RPKPG | Gallus gallus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 53355 | RDGQLTIK AERTEQKD FDGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41183 | MCAVRDP AFSRSRLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40718 | LYATFDEF PPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 53859 | RGETPGQL LPEIMQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52148 | QQSFPQQ PQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41921 | MLDMVD GRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 42984 | MVQVVYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52089 | QQPFPQS QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49110 | PQQSFPQ PQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49107 | PQQQFPQ TQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44852 | NLQKDEP NGRASDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38918 | LQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50396 | QAYQQGV TVD | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41870 | MKNYLSF GMFALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47549 | PFPQRPQ QPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38918 | LQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58404 | SHRLHNT MPSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52084 | QQPFPQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38950 | LQPQQPF PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39070 | LREGVTLG VGASFDT QKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38953 | LQPQQSFP QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57880 | SFRGSAQG IEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54393 | RKLWCHH FC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 44554 | NKND | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46758 | PADAQSD CKILCFVSA CNDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54393 | RKLWCHH FC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39169 | LRPTFDTR LMRLEDE MKEGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.002 | t | 54393 | RKLWCHH FC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58990 | SLAELLNA GLGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48906 | PPRRVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39167 | LRPTFDTR LM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.002 | t | 53839 | RGDLQVL AQK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.002 | t | 53839 | RGDLQVL AQK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51929 | QPQQPQQ SFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57874 | SFQQPQQ QYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57874 | SFQQPQQ QYP | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52090 | QQPFSQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52850 | QWNKPSK PKTNM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55365 | RPVDQYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 37755 | LLRRQVNE VA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40579 | LVSFGVWI RTPPAYRP PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52865 | QWVMAG LVSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40579 | LVSFGVWI RTPPAYRP PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38314 | LNPTIAGA GDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41169 | MAVPAFS DIAKSAND LLNKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43242 | NANPNAN PNANP | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51896 | QPQLPFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47546 | PFPQPQQ QLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46276 | NTTASDQL LVENAAG HRVA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49298 | PSAPPLPP VADLPQP GLRR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55106 | RPADKTRH KFPTNINK Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47545 | PFPQPQQ QFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 42493 | MRQLDTN VER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40074 | LTPANLIR GDNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56686 | RYYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 49005 | PQGPGAP QGPGAPQ GPGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47653 | PGFTVMA AIL | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38314 | LNPTIAGA GDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51925 | QPQQPFP QSQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49092 | PQQPFSQ QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56610 | RYPGQGS PGGNRY PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59922 | SNTFINNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58417 | SHSQWNK PSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58916 | SKPKTNM KHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49006 | PQGQGV T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45252 | NNSTNSGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 49006 | PQGQGV T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45721 | NRQDFTQ DPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58417 | SHSQWNK PSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 40104 | LTPKELD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52121 | QQQPFP QQP | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39465 | LSKSFLEA GGVSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56610 | RYPGQGS PGGNRYP PQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39423 | LSHNPGAS ALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51924 | QPQQPFP QRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43481 | NDLALPW KHEGAQN WNNAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56807 | SAHGTSTG VRGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51958 | QPRKTKPV KSLPERK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45405 | NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47544 | PFPQPQQ PFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49961 | PVSGPFGP LPSLAFA VPAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 36974 | LKNKIFPKK KEDNQAV DT | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 37657 | LLPHSNLD HI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41118 | MASENKQ RPGSPGPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45104 | NNFVHDC VNI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46258 | NTSDSQKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59729 | SMNRGRG THPSLIW MC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51084 | QIISQQPF PL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59227 | SLKLMATL FSTYASAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41431 | MERVVEQ MCVTQYQ KESQAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46258 | NTSDSQKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52239 | QRPFGQQ PEQ | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48854 | PPPLSEAA PKPRAAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52891 | QYDSNGT KLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38422 | LPAYQDYT ARAQVSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38304 | LNPKTNK WEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 37361 | LLGPYELW ELSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50945 | QGQQQPF PPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50945 | QGQQQPF PPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55048 | RNQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52083 | QQPFPLQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38825 | LQDPRVR GLYFPAGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50637 | QELDCWH YQHCVTS TKS | MD |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 55671 | RRPFNIGI NNQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48597 | PNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51922 | QPQQPFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57320 | SDYEDRYY REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47969 | PIQPQQPF PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54348 | RKGRGGA NPVFRPTG GTEVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41754 | MINVQAK PAAAAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 47821 | PHGPADA PPGSPAPP PPEHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49068 | PQPQQPF CQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57306 | SDVEGLQ NDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 57306 | SDVEGLQ NDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41728 | MIKASFPD TGAFKSPR YKSH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41713 | MIHFGND | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38522 | LPHSNL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49297 | PSAPPLPH VVDLPQLG PRR | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 41126 | MASLIYRQ LL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49085 | PQQPFPQ QPE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 58802 | SKDVKIEV YL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54058 | RHKQKIVA PVKQTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45165 | NNLMEIAE VD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51921 | QPQQPFP LQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49070 | PQPQQQF PQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 50934 | QGPHVISR IYQTAT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52304 | QSCSISNIE TVIEFQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48620 | PNDPPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45643 | NQWNKPS KPKTN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49071 | PQPQQQL PLQ | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39092 | LRGDLQVL AQKVARTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48017 | PIYGKTIST PSDYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 50934 | QGPHVISR IYQTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38271 | LNLTASV PMLRWYA ERFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48017 | PIYGKTIST PSDYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48017 | PIYGKTIST PSDYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 57218 | SDIKTTTSS HPVSSLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 39092 | LRGDLQVL AQKVARTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49368 | PSFSDIPN PI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43747 | NESKYSNT FINNAYN MSIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 37029 | LKTAAESA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49079 | PQQPFCQ QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 37315 | LLGCIGSTC | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48006 | PIV NKQSC SISNIETV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51816 | QPFPLQP QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46026 | NSVGANA PNADTIAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51908 | QPQPFPS QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 46026 | NSVGANA PNADTIAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 43227 | NANDPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49082 | PQQPFPPQ PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45202 | NNNSTNS G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 38952 | LQPQQPFS QQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49950 | PVRVAWS SPVQNCEP WIPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 52107 | QQPQRPF AQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51833 | QPFRPQQ PYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 48001 | PITNDQKK | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 53009 | QYNLAFSD RQSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49291 | PSAEECGY SDRVSITL GNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 25649 | IDPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11704 | EEIVPNSV EQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 20051 | GGTHSQW NKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 26372 | IHFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24006 | HHPITDSD QTRLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 15911 | FFTEEFKRK NKGKNLAS SHR | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19833 | GGGGWG QGGSHSQ WNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32902 | KPTKKPTF KTTKKDLK PQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31072 | KGTHSLYS QIAGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10868 | DYEDRYR E | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10868 | DYEDRYYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35530 | LEIVPNSAE ERL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21791 | GPSNSEQI PALTAVE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19737 | GGGAGAG GAGAGGG GR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32571 | KNNNSTN SGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35672 | LEQWNLVI GFLFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14992 | EYEDLLKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30036 | KAYSNCYP YDVPDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32783 | KPLDKFGN IYDYHYEH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 15122 | EYYLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32783 | KPLDKFGN IYDYHYEH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24918 | HTHADGE VHC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13272 | ELSKDIGSE S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30236 | KDRTLIEQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11571 | EEEDDDM GGLFD | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35473 | LEGAAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11203 | EATPAAEA PASEAPAA EAAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19729 | GGFSSDPG FLLRPRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32783 | KPLDKFGN IYDYHYEH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 28290 | IRFKDDSSY EEVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 34806 | LAHLTTTH ARHLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 28694 | ISQQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30716 | KFDWNT PD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 29852 | KALENKKK QLSAGGK NLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24014 | HHQPQQT FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12900 | EKVSRRSN FEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30611 | KESQAYYD GRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14702 | EVGKVA | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24694 | HRMAWD MMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35923 | LFNLWGP AFHERYPN VTITA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 36123 | LGGKFLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31723 | KKTTTKPT KKPTFKTT KK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 18500 | GAAALRA HVSGRRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19868 | GGGWGQ PHGGGW GQPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17365 | FPQPQFP PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 19868 | GGGWGQ PHGGGW GQPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 18994 | GDGRQTIT NPAYDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 36353 | LGWLWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13460 | ENDVLNQ ETEEEMEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19866 | GGGWGQ GGGTHNQ WNK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31160 | KHVAGAA AAGAVVG GLGGY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14435 | ETIYNTTLK Y | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 27999 | IPQQTQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | -0.002 | t | 17642 | FRRYQEER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19868 | GGGWGQ PHGGGW GQPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21571 | GPARRGA PY | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35247 | LDPAFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32844 | KPQEEKEK ITKEILNGK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14561 | ETTET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30093 | KCTSDQDE QFIPKGCS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21868 | GQGGSHS QWNKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31555 | KKGSSGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 32844 | KPQEEKEK ITKEILNGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30863 | KFTEPVKDI M | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 15887 | FFRDEKEL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 14013 | ERKRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35420 | LEDVRN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35413 | LEDRSTQA SLEEAILR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17366 | FPQPQQP QQS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17333 | FPLQPQQ PFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22280 | GSAMSRPI IHFGSDYE DRYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21815 | GPVEDAIT AAIGRVA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21816 | GPVEESVE RAMVRVA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 20854 | GLFHKEK MILNEEIT TKGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35495 | LEGTTNPN G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.002 | t | 16551 | FLDLMRA VA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 16569 | FLEGAAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22134 | GRLITVNPI VT | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11081 | EAIPALTA VETGHTSQ V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35252 | LDPHAFHL LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 18385 | FYEPLVRR C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10876 | DYEKQINK LKN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10892 | DYHRVMY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 12843 | EKPNLSSK RSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21930 | GQPGPSG AAQGQVIS N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19696 | GGDDPDH DPDHPHD L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21867 | GQGGGTH NQWNKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19833 | GGGGWG QGGSHSQ WNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10529 | DTYRYI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21928 | GQPAVRN ERATGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11571 | EEEDDDM GGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 18509 | GAAILVAG LSGCSSNK STTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 16101 | FHENWPS | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11497 | EEAIRPLR VQGKRAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13871 | EQLIEKLIE DDKNSQ | Papio cynocephalus |
| 1 | 1.00 | 1 | 1 | 0 | -0.037 | 0 | 0 | -0.002 | t | 13871 | EQLIEKLIE DDKNSQ | Papio cynocephalus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 18833 | GAVVGGL GGYML | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24697 | HRMQEAV EAERAGR GTGH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 13984 | ERESQAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 19833 | GGGGWG QGGSHSQ WNK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 26046 | IFDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 27608 | INDISHTQ SVSSKQRV TGLD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 33859 | KTSERSQP RGRRRQIP KARR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24600 | HQPQQQF PQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 26046 | IFDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17376 | FPQQPQR PFA | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32844 | KPQEEKEK ITKEILNGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.002 | t | 32844 | KPQEEKEK ITKEILNGK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 17408 | FPSPYYSP AFTKGEKV DL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 26046 | IFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 17408 | FPSPYYSP AFTKGEKV DL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24842 | HSQWNKP SKPKTNM K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 31330 | KILPEVKEK HEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31330 | KILPEVKEK HEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 31067 | KGTAPFGV AFGNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | -0.002 | t | 27997 | IPQPQWT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 27997 | IPQPQWT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21715 | GPNNSEAI PALTAEE | Rattus norvegic us |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35310 | LDTNGGT GTAIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 18529 | GAATAAA GGYKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.002 | t | 11241 | ECFPWDR KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21084 | GLQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 33859 | KTSESRQP RGRRQPIP KARR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19735 | GGFVQFV TSTRNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 35662 | LEQPVSND LS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 33163 | KRIPNKKP GKKTTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 24168 | HKYSWK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 22305 | GSDYEDRY YRENMHR YPNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10801 | DWEDRYR RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |

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|---|------|---|---|---|-------|---|---|--------|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 36307 | LGRPDEDS SSSSSSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 27998 | IPQQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 32914 | KPTTKQRQ NKPPNKP N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 19269 | GEGAPPA KRARTDQ ME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.002 | t | 21715 | GPNNSEAI PALTAAE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7112 | CTASNKNR GIKTFSNG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 1367 | AFNQFGP NAGQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10126 | DSGDGRQ TITNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7665 | DAVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4038 | AQPVKIDN ASPAST | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7851 | DDPPATVY RYDSRPPE DV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8066 | DELEAETQ NVYAA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5261 | AVALADLG DFENSA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8076 | DELKDQM EED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9661 | DPKSLSKG EIASTFESQ NST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 774 | ADSVGGK D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9847 | DQGPPLM TDGGGGD PH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7558 | DAKDGKEI DTKHL PST C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6338 | CGQPVTR TDDDTVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10064 | DRVVKEM RRQLEMID KLTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9352 | DMANPM SPVNKSFEI EVTCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7318 | CVTQYQKE SQAYYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 431 | AASGDGTI TFTGKVID APCG | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7674 | DAVTELDK N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7532 | DAHHAAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 709 | ADLIAAQK LASKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7675 | DAVTPLRI FIVPPPA EYEQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7535 | DAHHAHH A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6205 | CETEFSKLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 2319 | AKVNIKPL EDKIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5481 | AVNDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 145 | AAGANPL GLKRGIEK AV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5109 | ATPYHPPA TP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5582 | AVTRGTIN DPQRAKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 3242 | ANDPPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8119 | DEPAGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7208 | CTSPYDGK YWSMYSR L | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6093 | CDCDRTA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7851 | DDPPATVY RYDSRPPE DV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8475 | DGQPAGD RADGQPA GDRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4401 | ASFFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5575 | AVTPLGPP AAEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9586 | DPAFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5597 | AVVGGLG GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9611 | DPDKDVDI MV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 6249 | CFPYCYP ESA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6015 | CAPESIEFP VSEARVLE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9516 | DNNLVSG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8132 | DEQFIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6883 | CQIYPPNA NKIREALA Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9585 | DPAF | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6455 | CITQYERES QAYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8388 | DGGGGHS HDSGHGG GD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 1725 | AGWISPG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6068 | CCPDKNKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7782 | DDGKGDR SHKNEDES ALASK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 6226 | CFGNSEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 10168 | DSLPHPQ QATDDSG H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 4507 | ASKNLDLT NITHVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7491 | DAEFRHDS GYEVHHQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 435 | AASKSCPL PQVRALES LESL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5609 | AVVYNNE GTNVELG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8607 | DIDPYKEF G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 3952 | AQEPPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 5387 | AVIRRANN VLKNEMK RYKGL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|----------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7673 | DAVTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9754 | DPRVRGLYF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 1045 | AELGGQFHHKSENG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 9754 | DPRVRGLYF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 952 | AEGQLG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8644 | DIFTNSRGKRASKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8218 | DEYDDAADAAGDRAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8920 | DKLAKEQKSKQNIQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 8217 | DEYCSPDHNCQSNCKDSGEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 149681 | ELAEAKVLANRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 134231 | SIGAQTDFLSVFFSGYTFKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 52157 | QQTFPQQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 52157 | QQTFPQQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 91100 | AFQTPVHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 57556 | SEMPQLP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 33794 | KTNMKH M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.028 | 0.03 | t | 18039 | FTPGPSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | 0.003 | 0 | t | 14905 | EVWREEA YHAADIKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 30472 | KEKLQERL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.034 | -0.04 | -0.043 | t | 79484 | YMGAIWA GDW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 121732 | QAPEYRG RTELLKESI GE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0.003 | 0 | t | 47792 | PGYPWPL YGNeg | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.011 | 0.017 | t | 6985 | CSEYPKPD CTAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.003 | -0.003 | t | 110821 | DVRQQYE SVAAKNL QEAEW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.003 | -0.003 | t | 110820 | DVRQQYE SVAAKNL QEAEW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130473 | ECIVYGKT ALCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | -0.001 | t | 78411 | GTKPTFHV EKGSNPNY LA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 153265 | ILETLPANP PPASTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117664 | VAARGRG RGMGRG NI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114970 | VDCSRFPN AT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 92973 | IFKGSKFN DA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110613 | GPPGPQG ATGPLGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.06 | -0.057 | -0.05 | t | 12992 | ELDLQARR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 25145 | HWYDAEV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0.007 | 0 | t | 119466 | IRGERA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.017 | -0.018 | t | 36947 | LKLNWF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | -0.004 | 0 | t | 135941 | ITTQECAN VVVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.013 | t | 108825 | AVLMLPV WACLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0.002 | 0.002 | t | 136749 | WMLRAAE EYSMNLG F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61397 | SSTKNLIYT STLCELNV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.02 | 0.013 | 0.01 | t | 140665 | DTAAQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.037 | -0.023 | -0.017 | t | 118151 | SRFSWGA E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.012 | t | 137402 | FIDSYICQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 51473 | QLPNVGIT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.013 | -0.012 | t | 5512 | AVPTGVAF WLYNDHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.017 | 0.02 | t | 96114 | ASFAEAPF SN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 65296 | TNCYKKR WRDHRGY RTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 42984 | MVQVVYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 130518 | ITQSTQSF NDFTRVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 66257 | TSHHDSH GLHRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 13481 | ENHSPVNI AHKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.011 | 0 | 0 | t | 111193 | DGPAGQA EPDRAHY NI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 144778 | SGTHPFLD KSFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.01 | -0.009 | t | 95029 | KNTLRIAYL TEAKVEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 54860 | RMAWDM M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136823 | ASIILEFFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | 0.001 | -0.001 | t | 131194 | ALGAQKE AISPPDAA SAAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.041 | 0.05 | 0.05 | t | 79292 | LKTDLELKY KQTADFS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51925 | QPQQPFP QSQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | -0.001 | t | 118630 | TLNLEDVQ PHDLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 51837 | QPGHLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149087 | NPTQSPP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.021 | -0.02 | t | 10075 | DRYYREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.05 | 0.05 | t | 119480 | KQQKTEN GAGDQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.003 | 0.001 | t | 119641 | SEHETRLV AKLFKDYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.018 | 0.03 | 0.031 | t | 78394 | GEAVTVTI TDDNEEPI APY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 135477 | LGAGLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.018 | 0.021 | 0.02 | t | 49872 | PVGGQSSF YSDWYSP ACGKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.003 | -0.002 | t | 7065 | CSQNPLAE LKCSVKSF E I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.023 | -0.03 | -0.032 | t | 132912 | VKAKVQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74036 | YGLFHKEK MLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75791 | YSLFQKEK MVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 75791 | YSLFQKEK MVL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 74035 | YGLFHKEK MIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.037 | 0.041 | t | 51147 | QIVGGVYL L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.011 | t | 132552 | PSPLPHRD RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.01 | t | 144803 | TSAHSKLA VAAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.019 | t | 107218 | PAGGPGF P | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.019 | -0.007 | -0.01 | t | 136011 | VPALTAVE TGHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.039 | -0.03 | -0.031 | t | 12852 | EKQISDAS RQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.013 | 0.01 | t | 65797 | TPVGLAVD TPWVEKES ALSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0.002 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 153359 | ALLPFKDH LPYPGGGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.03 | t | 122956 | YYVFFEEQ EDEIIGFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.044 | 0.05 | 0.05 | 0.05 | t | 123375 | KKDELKKS L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.044 | 0.05 | 0.05 | 0.05 | t | 123375 | KKDELKKS L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.06 | 0.061 | t | 133707 | STRKEEKQ RNGT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 117829 | EKVKRTKD ELEVIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.014 | -0.019 | -0.02 | t | 32287 | KMALYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.03 | t | 133634 | LSQDVCTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | 0.003 | 0.002 | t | 58832 | SKGANPVE IR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0.003 | 0.002 | t | 58832 | SKGANPVE IR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.024 | 0.021 | 0.02 | t | 2237 | AKLQDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130454 | CLFPNNSY C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130454 | CLFPNNSY C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108261 | ADASVPV MP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.033 | 0.035 | 0.047 | 0.04 | t | 55187 | RPKHPIKH QGLPQEV L NENL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.014 | -0.011 | -0.012 | t | 111792 | SNPSAAG DWIRRN V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | 0 | -0.001 | t | 76195 | YTTSTRGD LAHVTAT | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | 0 | -0.001 | t | 76195 | YTTSTRGD LAHVTAT | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.051 | 0.042 | t | 118448 | KEISQEAR EGTQGER CAV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.019 | t | 131904 | HCQICHCD VVNLTCE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.042 | 0.037 | 0.03 | 0.03 | t | 4702 | ASQKIQLV | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.01 | t | 63344 | TEEIDEIES VTEEVVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.041 | -0.034 | -0.04 | t | 144710 | KNPWPNV DAH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0.005 | 0.006 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.006 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.049 | -0.04 | -0.037 | t | 141683 | KDWG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 45540 | NQELAYFY PELFRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.03 | -0.023 | -0.03 | t | 72515 | WGRRLMI GTAAAVVL PGLVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 58382 | SHLQLIYNL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 58382 | SHLQLIYNL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49068 | PQPQQPF CQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.014 | 0.021 | 0.02 | t | 64651 | TKPVASDY WDGYSGQ LVCII | Homo sapiens |

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|---|------|---|---|------|--------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 136855 | LRPASAW TL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103165 | FEETF EVT AAPVAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115467 | RFFVAPFP EVFGKEKV NELS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.029 | 0.031 | t | 120436 | DGTKVSIS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 150883 | SDDEDLAT S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135799 | YGKDVKDL FDYAEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 136353 | HGNAEVH ASFFDIGG S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 142913 | MVLNEG TSGTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 130524 | KFHPKDIP YQVW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 99210 | ELFTNRW NLQSLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 72805 | WLTEKEGS YP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 97547 | PFVPRADE PARKGKV H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 36958 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 11463 | EDVNGIRK PK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 7674 | DAVTELDK N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.01 | t | 106313 | CQQYGSS PQTFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.003 | -0.001 | 0 | t | 59854 | SNKFADFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 43215 | NALTQPV DQLLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111577 | NAMSPPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108622 | SHQESTRG RSRGRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108622 | SHQESTRG RSRGRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59929 | SNTNSVG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.013 | -0.019 | t | 108895 | EGNVFSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 65672 | TPNSIAAIS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 6924 | CRGDDFP AWYC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.01 | t | 46194 | NTNRRPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.024 | 0.029 | t | 151046 | RDQEGRM NYYWTLV E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.019 | 0.033 | 0.033 | t | 108384 | GIAGFKGE QGPKGEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 39167 | LRPTFDTR LM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123618 | PPPGLAPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 153837 | HGRLVTLK DIVLDLQP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 30710 | KFDRGYIS PY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.006 | 0.011 | 0.011 | t | 46858 | PALTAET G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.007 | 0.011 | 0.008 | t | 103493 | PPTPISVIF RSDKSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.041 | t | 141680 | ITKHNDDE QYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.012 | 0.021 | 0.019 | t | 31116 | KHIDAYKT FPPTPEPKK DKKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.029 | 0.03 | t | 78752 | NKGKWKE HIKEVTEKL KKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.036 | -0.027 | -0.028 | t | 38953 | LQPQQSFP QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.001 | 0 | t | 78875 | VLHSDYCI VPNKGGT SIGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 78875 | VLHSDYCI VPNKGGT SIGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.11 | 0.11 | 0.11 | 0.11 | 0.112 | t | 143682 | EEIEKE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 117742 | AKAQTDREDLRTLLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 117773 | CNSRQTDREDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 124604 | QIERDTERDRFLSAPEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 20144 | GHIELGGKPALVPDKEVLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78225 | PFSNLDFM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 93925 | SMLDQSLSL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 59939 | SNTVKVVGKGGHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.03 | -0.019 | -0.018 | t | 47643 | PGFGDRRKAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.039 | 0.05 | 0.05 | t | 42646 | MSRIAAGDLESSVDDPRSEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 138622 | SKDQFEFALTAV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.011 | -0.01 | t | 25649 | IDPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.08 | -0.081 | -0.079 | t | 75195 | YNMSIRRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 133553 | EDMSYWH EWNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | -0.003 | t | 52414 | QSQLERANLRPCEQH | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95155 | TDHYLQW NVSE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.007 | -0.012 | t | 1465 | AGDGEPP EDDSDAT GLAFRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.049 | -0.04 | -0.04 | t | 135911 | DRVRSITL GNST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.009 | 0.01 | t | 137858 | FTPGTEYT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.017 | 0.02 | t | 46676 | NYNVLMV PKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.067 | 0.068 | t | 142006 | SDSAQGS DVSLTA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.054 | -0.041 | -0.04 | t | 9154 | DLKTNNE GLK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.026 | 0.033 | 0.03 | t | 12050 | EFMEKECP FIKPEV | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.029 | 0.03 | 0.032 | t | 34539 | KYNGEELY L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.014 | 0.019 | 0.02 | t | 57505 | SEKSEEINE KDLRKKSE LQG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 73189 | WVEWA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 104149 | NHYFLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.03 | t | 33818 | KTPNSIAAI S | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149116 | SYAAVAS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.009 | 0.01 | 0.01 | t | 24841 | HSQWNKP SKP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.009 | 0.01 | 0.01 | t | 24841 | HSQWNKP SKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.062 | -0.053 | -0.051 | t | 104993 | SWRSKYG WTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 52094 | QQPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.023 | t | 30260 | KDTRLRIAYL TEAKVEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135496 | RYPNQVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.006 | 0.007 | 0.011 | t | 27675 | INKRKYDS LKEKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 122730 | DPAQPPR D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 122956 | YYVFEEQ EDEIIGFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | -0.005 | 0 | 0 | t | 113527 | HYGSLPQK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 107087 | ARGLTGRP GDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 107087 | ARGLTGRP GDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.009 | 0.02 | 0.02 | t | 39251 | LRYGNVLD VN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | -0.002 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.001 | 0 | -0.002 | t | 56610 | RYPGQGS PGGNRYP PQG | Gallus gallus |

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|---|------|---|---|------|-------|-------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.001 | 0 | -0.002 | t | 19868 | GGGWGQ PHGGGW GQPH | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.02 | 0.029 | 0.03 | t | 51791 | QPADGSS AGGQQQE SS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.02 | 0.029 | 0.03 | t | 51791 | QPADGSS AGGQQQE SS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.01 | 0.01 | 0.01 | t | 123209 | GATPVVG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 144467 | RPWLVHP RHRY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0.003 | 0 | t | 142292 | SHLQLIYNL TLCELNGT DW | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0.003 | 0 | t | 142325 | VIIKRGKV EVEGHLID | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 140567 | KEAWLDS TKAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0.003 | 0 | t | 142224 | LLDTKGGL YRWRSVPV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 73254 | WWYEGLP QQHYIGLV A | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 74004 | YGGIPGGI STPITQQS EK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 64601 | TKKPGGP GKNRAIN M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 72517 | WGSFPGC RPFQNYFS YET | Equus caballus |

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|---|------|---|---|---|--------|---|-------|---|---|-------|---------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0.003 | 0 | t | 50027 | PWFLAHH TGGD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 42592 | MSLLDGR GPVRFVLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 37123 | LLCNNNS NNYN | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 42977 | MVNINDT DTWIPKG CNE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 50072 | PYCYNNDS KNSMAES KEAR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 51837 | QPGHLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 46466 | NVRRNLIN RKDYTGII QVP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 48452 | PLPPVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 48827 | PPLPHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 35068 | LCLAGTTG GILWWYE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0.003 | 0 | t | 15509 | FEDVKGTG GESRDLP S GQG | Papio |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 20650 | GKNRAIN MLKRGLP R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0.003 | 0 | t | 6925 | CRGFTSFK KPPTPPPE PET | Papio |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 3528 | APEDQSPE TRRLDRL SR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0.003 | 0 | t | 3528 | APEDQSPE TRRLDRL SR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 784 | ADTSRIGN CGPTIFLG VLED | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135562 | IHAMDIPP PTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 6546 | CLDDREC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.033 | -0.02 | -0.017 | t | 26075 | IFGFNALV DR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0.001 | -0.002 | t | 99566 | QFRQTYR QWIEAM S | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 128358 | CDEFKIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.022 | 0.02 | 0.019 | t | 95043 | SPHQVYN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.019 | t | 95043 | SPHQVYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.001 | 0 | t | 96593 | LPHSNLDH IL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 109944 | SREEMTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 156755 | SGFSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 156755 | SGFSY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 48944 | PPVLYLPW LPWGPSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 77968 | PPPYAPNP GPPPPYTG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 77968 | PPPYAPNP GPPPPYTG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 130872 | GSFLTGRP SKLNDRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.013 | 0.01 | t | 158999 | LWGDGILE SDLIIPVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.004 | -0.01 | t | 52597 | QTPVNGN SPWAPTA PLPGDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.02 | -0.02 | -0.022 | t | 156957 | SLHSHLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.02 | 0.019 | t | 132032 | QPPPPQAQ PLLPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.043 | -0.039 | -0.04 | t | 88259 | RTLVMMA NTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.018 | t | 63882 | TGLIHLHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.001 | 0 | t | 20167 | GHNSVDF EED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | -0.006 | 0 | 0 | t | 19266 | GEFPRHVK LKNEIENLL DQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.01 | t | 95828 | SGASAQS GTSAQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.038 | 0.031 | 0.029 | t | 18764 | GASDLRSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0 | t | 67934 | VDENANANN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.03 | -0.038 | t | 138545 | PRRKAGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0.001 | t | 118058 | PPPGIRGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144598 | CFVGTHPQLRC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.016 | -0.012 | t | 32975 | KQEVQRGGRYNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.007 | -0.008 | t | 30421 | KEGYLVDKNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.002 | 0.01 | 0.01 | t | 50296 | QAKLEAEA KALKEQLA KQAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 58931 | SKQPTIDIDLCDICT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 92477 | DQSLSSLQFA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 104180 | PNAPDAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119619 | NNYKTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78973 | FGLGGIGVLTPDNYLITPAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.001 | t | 141523 | ALEPPHNL PVP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70387 | VPNLRGDL QV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70387 | VPNLRGDL QV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23397 | GYLEQLLR LK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 131891 | GLLETNFT A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.016 | -0.011 | -0.01 | t | 416 | AARQPDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.011 | -0.01 | t | 416 | AARQPDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.029 | t | 125414 | FSEEKLVFS LRLMEEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.044 | -0.041 | -0.04 | t | 42676 | MSTLNTH GAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.044 | -0.041 | -0.04 | t | 42676 | MSTLNTH GAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.022 | t | 33161 | KRIPLDVA EG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.041 | 0.032 | t | 118539 | NNGNLQL RNKEVTW EVLEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.075 | 0.077 | 0.07 | t | 114207 | FLGELTSSE VATEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.058 | -0.049 | -0.048 | t | 20638 | GKMVQVV Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 45695 | NRLGGLFN FGPKQKI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.01 | 0.01 | 0.008 | t | 156843 | AHSEMG RATMT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.021 | 0.02 | t | 47399 | PERLASCR PL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.011 | -0.001 | 0 | t | 95094 | IGFRGLDG VHCTPTTD SGVI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 78455 | LPTNLTQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.055 | -0.06 | -0.063 | t | 125230 | RERRGIAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.04 | -0.029 | -0.028 | t | 63850 | TGHWRC P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 38952 | LQPQQPFS QQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.012 | t | 125052 | FSLRLMEE NW | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123858 | YDPKFEQL K | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79515 | ALSIIGK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.01 | t | 14208 | ESLTTTSTA LGKLQDVV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 124588 | PQEETLQA FDSHYDYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.073 | 0.064 | 0.07 | 0.069 | t | 78429 | KEQLPTSY PPERAGW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.026 | 0.02 | t | 158669 | ADIKTALE ARKAADT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.008 | -0.01 | -0.012 | t | 156975 | WSSTVLRV SPTRTVP | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | -0.001 | -0.002 | t | 56885 | SALTSAIA GFVFSC | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.042 | -0.044 | -0.04 | t | 69856 | VLWVVK TPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.003 | 0 | t | 86551 | MTAEPKTI VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.003 | 0 | t | 86870 | NLFGATLV NA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 24881 | HSYSPGEI NRVASC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.017 | 0.018 | t | 58037 | SGFTLEFLE HAFSVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 144778 | SGTHPFLD KSFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.052 | 0.053 | 0.052 | t | 99007 | SLQPED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 9661 | DPKSLSKG EIASTFESQ NST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 24243 | HLKYATYP PYPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.019 | t | 7046 | CSNKSKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | 0.001 | -0.01 | t | 104045 | LMEPCYA WGCTGPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.002 | t | 23510 | GYYPSPDP NTFFYAPP YSA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 137743 | DTPLTIAGL KLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.021 | t | 51307 | QLDPAFG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 155333 | PADS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0.002 | t | 23048 | GVLSVDLS LTVELKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.011 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.02 | t | 108267 | AGQRGIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.018 | t | 140842 | EGNTDER GTPEYNIA LGQRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.002 | t | 156939 | PPEKSHL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.029 | 0.029 | t | 49749 | PTPSDNPF SKLYKETIE TFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 149083 | NPTQGSP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 112115 | FSLTTYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149079 | NLTQTQM | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.017 | -0.018 | t | 28719 | ISSIFSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.017 | -0.018 | t | 28719 | ISSIFSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.04 | t | 50741 | QFAPSASA FFGMSRIG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.037 | 0.04 | 0.04 | t | 98772 | FCMENSA EPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.031 | 0.031 | t | 14774 | EVLYEAFD EMEECASK AALI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 52476 | QTASGLVS MF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 46868 | PANCPKS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.06 | 0.06 | 0.06 | t | 153451 | QTAPSPQ DTVVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104132 | MSENVEQ HNPINAGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 131114 | TQLDELLT EHRMTW DPAQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.02 | 0.02 | 0.02 | t | 123339 | ISYDPKFE Q | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.037 | -0.037 | -0.043 | t | 11497 | EEAILRPLR VQGKRAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 60116 | SPLLGCIGS TCAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.022 | -0.01 | -0.01 | t | 44602 | NKSTLQNR RAAVS | Mus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.038 | -0.029 | -0.028 | t | 98062 | GGVAGMK AHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142022 | SRIFRGDN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 53068 | RAAKLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 52312 | QSESVEFT KDTQTGM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0 | 0.01 | 0.012 | t | 58440 | SIAADQLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.046 | 0.04 | 0.04 | t | 12981 | ELDGDQM I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132929 | WGENNY M | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104344 | VTGFTMT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.036 | -0.033 | -0.03 | t | 66410 | TSRVEHAV VYYVYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.023 | 0.02 | t | 120168 | RGWKHSV TYSGGPDTPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.002 | t | 28911 | ITGHRMA WMMMMNWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 157130 | CIIEEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.019 | t | 48093 | PKKPNENK LKQPNE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.01 | 0.02 | 0.019 | t | 48093 | PKKPNENK LKQPNE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.032 | -0.032 | t | 41548 | MFVPHYTL NANSIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.001 | -0.004 | t | 138199 | KQYLERTR AEVDTV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.018 | 0.02 | t | 79047 | PSCSPTN MIMDGTA SVNIPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.012 | 0.02 | 0.022 | t | 97025 | VDDALIDS TKIYSYFPS V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.02 | -0.02 | -0.02 | t | 123676 | QPPYMPP P | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78364 | DQHGWD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.047 | 0.051 | 0.05 | t | 53933 | RGPEQTQ GNFGDQD LIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 73663 | YEGFWTG VTQNAKGI T | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110863 | GLKAKPKF TLGKRKAT PTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.021 | -0.019 | t | 56699 | SAAFYYRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 51233 | QKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.01 | 0.01 | 0.011 | t | 51233 | QKPLK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.011 | t | 51233 | QKPLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.04 | 0.043 | 0.039 | t | 111036 | TESTFTGE AYSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 115414 | PHSSNICNI S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | -0.015 | -0.017 | -0.021 | t | 115591 | APEYRGRT ELLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.011 | t | 53832 | RGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 119753 | AQGARVY AYV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 119753 | AQGARVY AYV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 119753 | AQGARVY AYV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.03 | t | 119753 | AQGARVY AYV | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 146979 | GLAPSKAL DSKSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119754 | AQRLMRY WAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119754 | AQRLMRY WAN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 118556 | PPPGMIPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 119754 | AQRLMRY WAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 138080 | VSLGQNVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.034 | 0.041 | t | 115107 | SENSEKTT MPLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.001 | t | 97718 | VAFPLPTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.009 | 0.003 | t | 38304 | LNPKTNK WEDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 3288 | ANGAGNQ PG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121870 | SPLIKHPEV KSA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60432 | SQERNFV DSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 60432 | SQERNFV DSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.039 | -0.029 | -0.03 | t | 60956 | SSDSNTKT YADLKHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 67168 | TVSSQSFR | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137927 | LSADFTPG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137927 | LSADFTPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.017 | 0.021 | 0.02 | t | 49872 | PVGGQSSF YSDWYSP ACGKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.009 | t | 97177 | AELPF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 104780 | FRHDSGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 104780 | FRHDSGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 104780 | FRHDSGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 104780 | FRHDSGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 109252 | GSLPQKSQ RSQDENP V | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.013 | -0.013 | t | 115652 | SSRISYWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.003 | 0.009 | t | 30300 | KEALDKYE LENHDLKT KN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 48595 | PNAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.019 | t | 107744 | APVDSRTY TRVADHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 140254 | KYEHGGNI ID | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 47604 | PGACYSRP LV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 38950 | LQPQQPF PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 49087 | PQQPFPQ QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106855 | SMFTKYPT QLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107659 | VKFNWYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111424 | IKMVSEPY GDSLFFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 52158 | QQTFPQQ PQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 52158 | QQTFPQQ PQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.031 | -0.023 | -0.02 | t | 37165 | LLDKIYTSP LC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.013 | -0.01 | t | 60914 | SSATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123570 | PATKKAV Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.009 | 0.01 | t | 78876 | VLLGRKW EDEVDDE SYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.031 | t | 134031 | DEYDEVA MP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.026 | 0.017 | 0.01 | t | 113886 | SSAKSHCY AFCSGLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.001 | 0.013 | 0.01 | t | 23797 | HFLCTFTF NSNNKEYT FPIT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.01 | t | 59757 | SMSYTW TGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.007 | -0.001 | t | 135470 | KAAQFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.031 | t | 139630 | VDIDIKIRS CRGSCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.014 | 0 | 0.001 | t | 39788 | LTAELKIYS VIQAEINK HL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 107486 | KKPTPST | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.027 | -0.03 | t | 96489 | KPTPPVKP TA | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.033 | 0.033 | 0.039 | t | 127638 | ELQMTDP SLIYS | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 139924 | TMPWPFP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.036 | 0.04 | 0.041 | t | 115047 | ELQFPFLQ D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.013 | 0.01 | t | 158834 | IGFASKSA DDVKKAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.001 | t | 105696 | CAPLKPAK SA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.025 | -0.029 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.013 | 0.01 | t | 44570 | NKPNWD GYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0 | t | 95094 | IGFRGLDG VHCTPTTD SGVI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.03 | -0.017 | -0.01 | t | 141676 | IKKLENGR SLEGVYVP | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.03 | -0.017 | -0.01 | t | 141676 | IKKLENGR SLEGVYVP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 125051 | FQSKANCL NT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.014 | 0.019 | t | 51613 | QMGVSEL LIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.031 | t | 76325 | YVKRVKT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103940 | GLTLPGYK YLPGNSL D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.031 | t | 19405 | GEQQEAIK SAENATKV EDIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.007 | 0.011 | t | 78412 | GYKDVDK APFNGMT GCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 78535 | TPGYKND ALSHFHLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.01 | t | 59757 | SMSYTWT GA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.049 | -0.04 | -0.04 | t | 79424 | TITLKKAPK PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.038 | 0.033 | 0.028 | t | 12119 | EGAGDGE PPEDDDSA TGLAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.029 | 0.03 | t | 79010 | KVDNAETI KKELGLSLT EP | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.011 | t | 107651 | VDGVQVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.062 | -0.048 | -0.048 | t | 96071 | AGIRPKGA FQ | Homo sapiens(human) |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135997 | SLEKKMSN YIQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123127 | EGAAMD LRI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156425 | QQEQQGS GNNVFSG F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132524 | PGMMPV GPAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69175 | VKAETRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.035 | -0.037 | -0.041 | t | 115607 | GPRHPIRA LVGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.01 | 0.013 | 0.01 | t | 156843 | AHSEMGT RATMT | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.014 | -0.02 | -0.021 | t | 56089 | RTIVCGLFP TQIQV | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.051 | t | 134421 | KQIPECEN VKTTQCVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144598 | CFVGTHP QLRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.001 | -0.001 | -0.002 | t | 9524 | DNPASTT NKDK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.007 | 0.008 | t | 98790 | GDKDNVI DQIEKQAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.029 | 0.039 | 0.04 | t | 10123 | DSGASSTA SSSH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.018 | 0.02 | t | 78927 | ALLEETITA KGVRSP EAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 23404 | GYLPISGE MEKVT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9754 | DPRVRGLY F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9754 | DPRVRGLY F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.04 | -0.049 | t | 117345 | PRRRSRKP EAPRRRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.002 | t | 63282 | TEAAILTQ QAAQFDQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 63282 | TEAAILTQ QAAQFDQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.07 | 0.07 | t | 110376 | QAEPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.07 | 0.07 | t | 110376 | QAEPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.07 | 0.07 | t | 110376 | QAEPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.011 | 0.011 | t | 60827 | SRVKNLNS SEGVPDLL V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0.003 | 0.002 | t | 25293 | IAGLIAIVM VTILLCCM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.024 | -0.02 | -0.02 | t | 14953 | EWSPCSVT CGNGIQV RIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.015 | 0.022 | 0.022 | t | 74543 | YKYPYVLG QGQDTLA PELPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 112312 | SGSGTDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.016 | 0.017 | t | 142810 | KEWEQIYR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.003 | 0.04 | 0.03 | 0.028 | t | 61824 | STPLLYPSL A | Mus musculu s |

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|---|------|---|---|------|--------|--------|-------|-------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.029 | t | 125414 | FSEKLVFS LRLMEEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.02 | 0.02 | 0.021 | t | 34585 | KYQVIKVR AYTYGV | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 107773 | CSVMHEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 107773 | CSVMHEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.01 | t | 4024 | AQPGYPW PLYGNEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.006 | 0 | 0 | t | 20673 | GKREMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.018 | t | 19264 | GEFMFDF DGDEIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.037 | 0.041 | 0.039 | t | 103547 | RGLGEAQL GNSSGNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 92807 | GGDGVDTI YG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 147038 | ILYGNGPG YALGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132828 | FSTTSFPG TVTCYDD | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79188 | DSAVGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 128740 | GLGPEKTS FFQALGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0.003 | 0.002 | t | 1385 | AFRELADA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.029 | 0.03 | t | 130608 | SIDLKDKYK NIGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.009 | t | 126926 | RGWNPGE LYNGFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.009 | 0.019 | 0.02 | t | 21791 | GPSNSEQI PALTAVE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 106486 | GTQEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 111558 | MPLTQKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.007 | -0.012 | t | 55732 | RRRTPSPR RRRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.021 | t | 43834 | NFFSPQIIT TDNTFVSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.02 | 0.022 | t | 139839 | PAAAQAL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.046 | 0.043 | 0.04 | t | 30288 | KEAELDGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 49690 | PTLDHVLD | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.03 | t | 73301 | WYWGPSL YSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.07 | 0.071 | 0.07 | t | 133594 | GPLYQMN DALLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 65473 | TNVDQDL VGWPAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.04 | 0.04 | t | 47137 | PDLGFISEP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.046 | -0.04 | -0.04 | t | 94979 | YNKRFPGE VSP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.063 | 0.048 | 0.06 | 0.06 | t | 120247 | TPEDPTDP TDPQDPSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.063 | 0.048 | 0.06 | 0.06 | t | 120247 | TPEDPTDP TDPQDPSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.058 | -0.042 | -0.039 | t | 98783 | FQQPLQQ YPLGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.03 | t | 5029 | ATLCSALY VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.042 | -0.05 | -0.052 | t | 53716 | RFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 91588 | KNVSINVE LYFDAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.042 | 0.04 | 0.04 | t | 142103 | ADKKPEEL SVTLVEAY TDVF | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.031 | -0.019 | -0.021 | t | 6777 | CPKDELRP LEKVLESKT RAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.013 | -0.019 | t | 106491 | GWGQLFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 111742 | RRETQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.041 | -0.031 | -0.03 | t | 16058 | FGSKSPFF RKYF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.041 | -0.031 | -0.03 | t | 16058 | FGSKSPFF RKYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.03 | t | 4543 | ASLQNLLS AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 77844 | CLAAPTGL KLAP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79469 | YCPPLLN SGEPCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.007 | 0.011 | t | 108107 | RYAFGSQI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79537 | EHPWPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.001 | t | 19639 | GFTWTGV TQNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.061 | 0.057 | 0.06 | t | 68900 | VIAEHQFK E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.017 | 0.01 | t | 122198 | TEADVNP KPIPSQMPT SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.003 | -0.01 | t | 120548 | GAGAPVYL AAVLEYLT AE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.035 | 0.033 | 0.041 | t | 119538 | VEDGECYI QF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.029 | -0.03 | t | 59984 | SPAPSRPF SVLRANDV LWLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 110606 | GNPGTDGI PGAKG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.007 | -0.01 | t | 48343 | PLGLKRGIE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 62830 | TAEGRain | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.008 | -0.01 | t | 10834 | DWVCTILT DFKNWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.056 | 0.049 | 0.051 | t | 67967 | VDGSDP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.027 | 0.027 | t | 70444 | VPQLEIVP NSAEERLH SMKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.038 | 0.033 | 0.029 | t | 137393 | EDFESCDSI TGMNLEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.062 | -0.047 | -0.047 | t | 67200 | TVVQRQFS EVWKPS QVTVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.013 | 0.01 | t | 57679 | SEVYCPRP DRCLRAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120028 | LFNNYDPG SRPVREP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 130925 | KLLPEDDE SRTYHTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.019 | -0.011 | -0.009 | t | 51474 | QLPNVGIT QGIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.029 | -0.021 | -0.02 | t | 73612 | YDYQHKE GRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.02 | 0.009 | 0.01 | t | 78668 | GPNLVLPD QK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115847 | LLYQEPVL GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 114967 | TYDNECLL CA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.03 | t | 17366 | FPQPQQP QQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117018 | KIVMFWH EPVYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117018 | KIVMFWH EPVYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79178 | DCEIPKIP MDRKCW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.02 | 0.013 | 0.007 | t | 26989 | ILCYCYGLP DSEPTK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.02 | 0.013 | 0.007 | t | 26989 | ILCYCYGLP DSEPTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0.001 | t | 28537 | ISIKYDPRK DSEVFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 120516 | EWGWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 38330 | LNRSGGN YTKTDDEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.02 | -0.02 | t | 120173 | RLMRYWA NFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 120173 | RLMRYWA NFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.006 | 0.013 | 0.019 | t | 132888 | QAYVVDSE GNEIFRC | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 158723 | DTGCAIDIS RQELRCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.023 | t | 21930 | GQPGPSG AAQGQVIS N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.023 | -0.001 | 0.013 | 0.012 | t | 75571 | YQWLTRV GKYRPQD KPNT | Chinchill a lanigera |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.001 | 0.013 | 0.012 | t | 75571 | YQWLTRV GKYRPQD KPNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.008 | -0.01 | t | 125462 | KLPLSLSFL HLTRADLS YPS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.02 | 0.02 | 0.02 | t | 108349 | EQEETNPE VLIK | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 10124 | DSGCVVS WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.039 | 0.037 | 0.03 | t | 112421 | YSSDHKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 81790 | ERGGRKQ RKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.003 | -0.002 | t | 19551 | GFKAAVA AAANA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.04 | -0.04 | t | 97117 | YIQMKRIA VG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 6516 | CKRGPDS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.042 | -0.03 | -0.03 | t | 78388 | FRRVKCKY PDGTPKF HV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.059 | 0.063 | 0.058 | t | 47267 | PEEFEGAG DGEPPED DDSAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 20051 | GGTHSQW NKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.02 | t | 135983 | RLRPPEPR PRDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 115212 | DTQAIVQ NND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.04 | -0.041 | t | 120598 | IARFKMFP EVKEKGM A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 44231 | NIGFGNRG DANI | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|-------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.013 | -0.011 | t | 115726 | ENLHLPLP LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 99558 | QEEENQG GKGPLLSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 62417 | SVYQEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0 | t | 102686 | NPKTSQYS Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 114531 | QGQQEYE QHRRQQQ R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 101161 | QDLPTPPS DP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135993 | SGGLRLLL CLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123125 | EFPKLKEFK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 52082 | QQPFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 51929 | QPQQPQQ SFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 51929 | QPQQPQQ SFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 52085 | QQPFPQP QQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 52089 | QQPFPQS QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 15122 | EYYLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 96023 | YQKFPQYL QY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 98928 | PEQSLACQ CL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 38314 | LNPTIAGA GDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 38314 | LNPTIAGA GDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0.01 | 0.002 | t | 116732 | GLGFYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.032 | 0.026 | 0.023 | t | 78200 | LQKTSG | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.018 | t | 99760 | VKDGIVVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.02 | -0.02 | -0.022 | t | 156868 | FHRHPLE | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.052 | -0.051 | t | 137907 | KGSGPGYY RLTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.007 | 0.008 | t | 113753 | QGQQPG QGQHGG QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98108 | HTNSPLGD MLRACQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 24591 | HQLDPAF GANSTNP D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 24591 | HQLDPAF GANSTNP D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 24591 | HQLDPAF GANSTNP D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.001 | t | 23068 | GVNLEDP ASRDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 153431 | NPDHPRV PTFMA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.021 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.021 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 127668 | GKFVLSSG KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.019 | 0.02 | 0.018 | t | 59853 | SNKEGVA ADGDALN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.027 | -0.03 | t | 67552 | VADLPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.02 | -0.021 | t | 32887 | KPSTLYKM TVEAVK | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.046 | -0.03 | -0.03 | t | 110308 | KTCKQAGT CPPDIIPKV EG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.027 | -0.03 | t | 116927 | AVCRTSM CSIQSAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 4079 | AQTASGLV SM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 6457 | CITQYQRE SQAYYQR G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.001 | 0 | t | 74895 | YLRHGKLR PFERDISN V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.01 | t | 51286 | QLAKDKV NE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.04 | 0.042 | t | 43575 | NEDNEKLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.021 | -0.01 | -0.01 | t | 39199 | LRRTQSM GIQLDQR | Myodes glareolu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.069 | 0.072 | 0.072 | t | 106247 | ALASQGQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.02 | t | 115260 | GAEGQRP GFGYGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 111176 | CTSICKYPD YIKMVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.027 | -0.013 | -0.018 | t | 156956 | SGIGTLDG FRHRHPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 55825 | RSELSQLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.032 | 0.04 | 0.042 | t | 140604 | TDQPLSAD | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.034 | t | 133705 | SSKTRSG VHLVGPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 144662 | GREGYPA DGGDSVKI WTS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 144662 | GREGYPA DGGDSVKI WTS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 99174 | EDEYEYDE EDRRRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 95997 | WCGSTDE YCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.019 | 0.032 | 0.03 | 0.03 | t | 63215 | TDPTGIEP DDHLKE | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.016 | 0.032 | 0.03 | 0.03 | t | 63215 | TDPTGIEP DDHLKE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.032 | 0.03 | 0.03 | t | 63215 | TDPTGIEP DDHLKE | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135778 | VEGTSFLT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 73636 | YEDRYRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.044 | 0.048 | 0.05 | 0.05 | t | 67189 | TVYESFH YFGSAPT | Oncorhynchus tshawytscha |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48001 | PITNDQKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.021 | t | 141605 | APLLPHS NL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.012 | 0.021 | 0.022 | t | 41177 | MAYRFNG IGVTQNVLYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.02 | t | 21722 | GPPAAEY WNSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.019 | -0.02 | t | 7193 | CTPPALNC YWPLNDYGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.008 | -0.012 | t | 120426 | CVIQGVGV TETPLMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 58769 | SIYQCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153867 | QLLRREIK NT | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 39070 | LREGVTLG VGASFTDQKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.005 | t | 123760 | SSYAKVSIC LPMDTETPLAL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140869 | IALGQRRADAVK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.008 | t | 11983 | EFEGAGD GEPPEDD DSATGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.005 | 0.023 | 0.022 | t | 3493 | APAVKYTV FETALKKAITAM | Mus musculus |

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|---|------|---|---|-------|-------|-------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.005 | 0.023 | 0.022 | t | 3493 | APAVKYTV FETALKKAI TAM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.02 | t | 131412 | ERGLRYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 95014 | GRLIELSQE G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9942 | DRADGQP AGDRAAG QPAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9942 | DRADGQP AGDRAAG QPAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9942 | DRADGQP AGDRAAG QPAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.039 | 0.05 | 0.052 | t | 111515 | LQPETTDL YCYEQLND SSEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.039 | 0.05 | 0.052 | t | 111515 | LQPETTDL YCYEQLND SSEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137415 | HAPRYHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123165 | FEQLKEGY L | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112069 | CSFSGFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104126 | MNKTFWF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 127589 | ASKPEDW DER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124560 | NGVELRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 43238 | NANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.009 | t | 134273 | YHPDVP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 97643 | SGSQGTVAL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.017 | -0.017 | t | 115351 | LKQKSSNSRKKRSTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | -0.002 | t | 112982 | FTTVVADTGDFHAID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | -0.001 | 0 | t | 10486 | DTSNKFAD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.076 | 0.07 | 0.07 | 0.07 | t | 123034 | APQCLEDFP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 144812 | VTGCIPTREQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.043 | 0.05 | 0.05 | t | 137469 | YPPEEETGERV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.029 | -0.031 | t | 74798 | YLLPRRGPRRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.029 | -0.031 | t | 74798 | YLLPRRGPRRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.007 | -0.01 | t | 48864 | PPPPPPPPPPPPPPPPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.026 | -0.02 | -0.02 | t | 105795 | FTQFAGKD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.017 | t | 144597 | CFLTAAGYGGGLPDSVKI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.018 | 0.007 | 0.01 | t | 103944 | GNYNLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.061 | 0.06 | 0.06 | 0.062 | t | 45059 | NNDNPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.011 | 0.009 | t | 49333 | PSDLGGNNLPAKFLE | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | -0.002 | t | 156930 | PISKEHV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103040 | ALTGLGDK FGESIVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149328 | GSFQPQQ LPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114957 | SVDCSEYP KP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116025 | VYPFPGPI PN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 135710 | LAKEQKSK QNIGALKQ ELAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.027 | 0.03 | 0.032 | t | 63555 | TETKIDKLC V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 31722 | KKTTTKPT KKPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 3289 | ANGAGNQ PGANGAG GQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0.001 | 0 | t | 38272 | LNLTTWN P | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.012 | t | 6469 | CKALQEQC RFPN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.023 | 0.03 | t | 134786 | RPVDQY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0 | t | 44251 | NIISCNKN DKNQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.022 | t | 141272 | FNPCEDI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.032 | t | 38599 | LPNNTAS WFTALTQ H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.032 | t | 38599 | LPNNTAS WFTALTQ H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 60751 | SRNWLPG PCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.027 | 0.03 | 0.03 | t | 8974 | DKQLLPV NKQSCSIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9690 | DPNANPN V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 124319 | IREKIEDAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.009 | t | 34776 | LAGGAAT AGAFSRPG LPVEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.022 | -0.02 | -0.018 | t | 120516 | EWGWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.018 | t | 120516 | EWGWS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.063 | 0.07 | t | 141884 | ESLIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 32826 | KPPKYHPD VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.001 | t | 51146 | QIVGGVYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.01 | -0.01 | t | 104369 | YTIENAVPI HLLRTGDE FS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.018 | 0.02 | t | 5367 | AVIEPIVAT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 122430 | KGLRRDL ASREAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.03 | -0.017 | -0.01 | t | 141633 | EELLETLQ VAEREAY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.03 | -0.017 | -0.01 | t | 141633 | EELLETLQ VAEREAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.03 | 0.032 | t | 14992 | EYEDLLKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111796 | SPLFLDQR SLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79264 | KCMDAFVI YETNCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 20012 | GGSGGSV ASGGSVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153280 | PLGFFPDH QLDPAFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.01 | t | 75371 | YPNQVYYR PVDQYSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 70038 | VMYASSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.002 | t | 134418 | KGAIIGLM VGGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0 | t | 26877 | IKPLEDKIL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153865 | PETTDLYC Y | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153827 | EQQYNKPL CDL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153885 | SEEEDEID GPAGQAE PDRAH | Cavia porcellu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153282 | PLRNTHPQ AMQWNS TTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.001 | t | 153841 | KCLKFYSKI SEYRHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139154 | KWEAARE AEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153839 | HQKRTAM FQDPQER PRKLPQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.001 | t | 153815 | CYEQLNDS SEEEDEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153820 | DTPTLHEY MLDLQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 158947 | LDIDIDPKV KVATLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 158910 | KNLDIDPK LQEYLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139305 | TAAQITQR KWEAARE AEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153284 | PTPLSPPLR NTHPQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 139203 | QIYKAQA QTDRESLR NLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153815 | CYEQLNDS SEEEDEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153836 | HGPKATL QDIVLHLE P | Cavia porcellu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153693 | RKIFIDTIP N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 139305 | TAAQITQR KWEAARE AEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153856 | MFQDPQE R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.001 | t | 153838 | HQKRTAM FQDPQER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 158738 | EIVDLPKL KQINLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139398 | YGCDVGP DGRLLRGH DQYAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153837 | HGRLVTLK DIVLDLQP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 139398 | YGCDVGP DGRLLRGH DQYAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117569 | LKYYLAPKI EDEEGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122862 | NDEYFIRK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 127643 | ERPLELRV RVLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122857 | MGCSSPP CECHQEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120412 | ASKEKQEN KIFADDIDI SD | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122150 | MSKTLHA QLGFKKT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122210 | VRVIDPSL GDRKDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122115 | IKGANDLA KFHQMLM KIIMK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122947 | WTQEPQP LEEKWQH RVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119943 | IGLMVGG VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122886 | RGTDEYFI RKPP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118058 | PPPGIRGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133087 | ETKTYFWK VQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131406 | EGEGSGFI REDPIGAG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120769 | LLVDVEPK VKSCKRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122153 | NASGLSRP SPSAH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124588 | PQEETLQA FDSHYDYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131701 | THHINNM KPSFTREN T | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122842 | LLDLPRDL GGMGCSS PPCE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122090 | ESPQEISK HQALG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 127898 | YEENLGDS IV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131717 | TTLVNPKN KNSYPHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131579 | PDIITGFSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118902 | LVFEAPNQ EKVSDYE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122073 | AEEQARH VKNGLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118783 | EIIVTHFPF DEQNCSM K | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122857 | MGCSSPP CECHQEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 121288 | EYILKKPRS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120716 | KSAIEGVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118060 | PPPGMRP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119496 | MFPEVKEK GMAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118131 | SEESDDD MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118060 | PPPGMRP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120970 | STHTMPQ WVRKIFID TIPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117609 | PVQLETLSI RGNNIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122108 | GVGVELE NSMGGLN F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132045 | RMATPLL MRPMSM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119052 | WNPADYG GIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133178 | KNFVKPNE TKTYFWK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 126201 | GYKEKSKF QDTHNNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118480 | KWNPDDY GGVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118846 | ILKKVLEAL KDLI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|---------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109905 | SEEEND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109905 | SEEEND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 111497 | LMGTLGIV CPICSQKP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107214 | MVGGVV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104569 | MASPGSG FWSFGSE DGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105763 | EVHHQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101437 | YRSPFSRV VHLYRNG K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110761 | AENPTNY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99833 | PPFSQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110962 | PIDVVP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106322 | DAEFRHDS G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104906 | MVGGVVI A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99834 | QGQQGY P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99836 | QFPQPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 108131 | SKDWSFY | Oryctola gus cuniculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 108019 | LSQPKIVK WDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108019 | LSQPKIVK WDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108019 | LSQPKIVK WDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99842 | RPQQPYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 108131 | SKDWSFY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108131 | SKDWSFY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106842 | SKDEIDSA VKMLVSLK MSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110376 | QAEPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110376 | QAEPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63604 | TEYYLNHG KWPEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72251 | WAPSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95048 | VIFQTPLIK NPDVKSAL EG | Rattus norvegic us |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 76491 | YYDGRRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75075 | YMLDLQP ETT | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68018 | VDLPQLGL RR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73430 | YAQYMSR AYAFLGE DPGSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69178 | VKAETRLN PDLQPTE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63604 | TEYYLNHG KWPN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95161 | TYGKFCIKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69175 | VKAETRLN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 89661 | TQLTSSYE DYML | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67040 | TVKAKLLS VE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75203 | YNPLYGSR LGVPDTLG GDPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 94606 | LTGGFYEP L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60663 | SRGAPGG GFVPSLQG VP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60751 | SRNWLPG PCY | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 84423 | KKGLQQL QEWDW VGWIGN | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63217 | TDQMEVD SGPRKRPL RGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 66060 | TRLNPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68548 | VFPTKDVA L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68019 | VDLPQPGL RR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95132 | PYVTYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73636 | YEDRYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95058 | AGLQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73433 | YARFMDT DPDRYGIL PSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73433 | YARFMDT DPDRYGIL PSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65974 | TQYERE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97348 | GLFGAIAG FIEGGW | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95058 | AGLQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72065 | VYKLDISEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65684 | TPPHSARS KFGYGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 64086 | THTPLPRG IGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74068 | YGPQVDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56962 | SARDGIRD AMIGLREE MIEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41537 | MFSGGGG PLSPGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48332 | PLGFFPDH QLDPAFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.001 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55951 | RSRSES | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 51393 | QLKLNWF KKGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43215 | NALTQPV DQLLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50977 | QGVPESPF SRTGEGLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56734 | SADNNNS EYSWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50636 | QELDCWH YHQYCITS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50636 | QELDCWH YHQYCITS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58295 | SGVMTRG RL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46859 | PALTAVET GATNPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48279 | PLATQPPV LAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56622 | RYPNQVYY RPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46786 | PAEVTQLK GLS | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 55389 | RQAESSEA MAAWSER AGEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51393 | QLKLNWF KKGSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48557 | PMIHFGN DWEDRYR REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56788 | SAFVFPTK D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51393 | QLKLNWF KKGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48876 | PPPQAPY QGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 54058 | RHKQKIVA PVKQTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58077 | SGHRMA WDMMM NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45597 | NQNNFVH DCVNITIK QHTVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38271 | LNLTTASV PMLRWYA ERFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50490 | QDLPGND NNSTATLC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38422 | LPAYQDYT ARAQVSE | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48906 | PPRRVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53122 | RAISSWKQ RNRWEW RPD | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39664 | LSSKAVNH IRSVWKDL LEDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38918 | LQND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56599 | RYNLVFSG DSDRICSN RA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49749 | PTPSDNPF SKLYKETIE TFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40332 | LVFFAEDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57320 | SDYEDRYY REN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46894 | PAPQAPY QGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13525 | ENMYRYP NQVYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19067 | GDPEDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19862 | GGGTHNQ WKNPSKP KTNLKH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18706 | GANSNNP DWD FNP | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23973 | HGYEKPEE LWTAKSR VHPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10869 | DYEDRYR EN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15807 | FFFDIDLLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36413 | LHQPPPQI FLKILPQSG PIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24402 | HNQWNK PSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 20052 | GGTHSQW NKPSKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10529 | DTYRYI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36729 | LITNTIAGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24334 | HMAGAAA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 22135 | GRLKAEST V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 28676 | ISQAVHAA HAEINEAG R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10868 | DYEDRYR E | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19269 | GEGAPPA KRARTDQ ME | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24841 | HSQWNKP SKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11377 | EDLDGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13837 | EQHHRRT DN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 17470 | FQEPFWLE DG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 17470 | FQEPFWLE DG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9620 | DPEDLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6559 | CLFKDWEE LGEEIRLKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5771 | AYFLYQQ QGRLDKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9794 | DPVAALFF F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7244 | CTWQQW ERELQGYD | Capra hircus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7244 | CTWQQW ERELQGYD | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1450 | AGAPSAE QRRER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.039 | -0.033 | t | 130800 | EGAKAFFK GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111230 | ECISMDYK QTQLCLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131100 | TDSEMDV VRFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.01 | t | 149785 | KTVEGVKD LQAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.015 | -0.01 | -0.01 | t | 134003 | AKTQGPY DVVVLP G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.035 | 0.031 | 0.03 | t | 61824 | STPLLYPSL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.019 | 0.03 | 0.03 | t | 52749 | QVMSRSA NEGYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.019 | -0.018 | t | 138884 | NKLLIAFGL VILLVTLP CAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 121795 | RISPGKNA TGMEVG WYRS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.04 | -0.031 | -0.03 | t | 13763 | EPSGQTA DWY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.059 | 0.057 | 0.058 | t | 98527 | TKTEEPAA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.059 | 0.057 | 0.058 | t | 98527 | TKTEEPAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.003 | -0.01 | t | 122943 | WDPAQPPRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.01 | 0.019 | 0.02 | t | 68996 | VIITFKSGAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 53939 | RGPRLGVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.038 | 0.04 | t | 33987 | KVFAGSLFES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 66385 | TSQGMYG GTYLVEKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100508 | SGYEVHH QKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73070 | WSFADGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51949 | QPRGGQA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51296 | QLCQLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6546 | CLDDREC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1578 | AGKNQSQ K K K K | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.012 | t | 140853 | GEYVQILD AHAAYLN ATPAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 157277 | FRAISTPRT GTMP | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.034 | 0.042 | 0.04 | t | 68987 | VIIEQSWG SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0 | t | 18786 | GATFQVE VPG | Mus musculus |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.026 | 0.023 | t | 114450 | LEIIEEFFK NKSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123273 | GTSVSHVD F | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111157 | CMPYGSL AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135682 | GKVDAFC G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 115239 | EVFRELKD LK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.035 | 0.04 | 0.038 | t | 136066 | IETDKTSV QV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.003 | 0 | t | 50027 | PWFLAHH TGGD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 135571 | LFRGRRAS Q | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 135595 | SNKKKRD DFE | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 134337 | CYCQDPYV KEAENLKK YFNA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 157917 | RTVKKNIIE EN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 134337 | CYCQDPYV KEAENLKK YFNA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 157147 | CSRTVKKN IIEEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 123016 | AIYENEIHA LWADLP | Trichosu rus vulpecula |

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|---|------|---|---|---|--------|---|-------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 125793 | CSFWSKYI SSLKTSAD GAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 125462 | KLPLSLSL HLTRADLS YPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 123809 | VAVESRN GSRLHFNK | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 125791 | CSFWSKYI QTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 123540 | NIFEYEVD AEPLRPCE LER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0.003 | 0 | t | 125540 | QSLRQRKS VNALNSPL HQEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 107307 | DAEFGHD SGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 111583 | NKFGFPDT SFYNPDTQ RLVW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 111450 | KGSPCTNV AVNPGDC PPLEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 110685 | PMDTFIVS TNPNTVTS STPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 100508 | SGYEVHH QKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 111088 | ACQKHTP PAPKEDDP LKKYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 110652 | LCLIGCKPP IGEHWGK GSPC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 110884 | HEYMLDL QPETTDLY CYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 107307 | DAEFGHD SGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 111915 | VHTGFGA MDFTTLQ ANKSEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 45013 | NMPASMK RVRIE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 21254 | GMDGTQL DRW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 35646 | LEPGVVAE KVRNLPAG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.022 | -0.01 | -0.009 | t | 10683 | DVNKSAQ L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.012 | 0.01 | t | 71839 | VVSTLPQA VMGSSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 135498 | SCKLPVKK ATVVQGE RVKIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132938 | WGSNPA M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.013 | -0.01 | -0.01 | t | 12537 | EINTLQNNQ | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.081 | -0.063 | -0.059 | t | 53483 | REECKCLL NYKQEGD KCVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.009 | t | 108135 | SLITAARG APS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 142288 | SEASRKGL RRDLASR EAKK | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 142167 | GLRRDLDA SREAKKQV EKAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 142200 | KGLRRDLDA SREAKKQ LEAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 142201 | KGLRRDLDA SREAKKQ VEKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 142217 | LDASREAK KQLEAEQ QKLEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 142202 | KISEASRK GLRRDLDA SREA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 142116 | ASRKGLRR DLDA SREAKKQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 118490 | LKDKYKNI GAKLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 118275 | ATVLARSI AKEGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 118451 | KGIIDPTKV VRTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95819 | SAQSGTSG TSGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 70537 | VQDGSVT EQIIEELFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95818 | SAQSGTSG TSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 72476 | WGILSRAA TNSGWVG LIPHK | Rattus norvegic us |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95818 | SAQSGTSG TSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 94738 | WAICKRIP NKKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 94613 | NNPTCWA ICKRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 75273 | YPEELVEE VIPEELVEE VIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 70537 | VQDGSVT EQIIEELFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 94651 | PTCWAICK RIPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 62912 | TALKKAITA MSQAQKA AKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 66682 | TTKPTKKP TFKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 65916 | TQPSKPTT KQRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 94429 | AICKRIPNK KPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 69344 | VKYTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 69271 | VKMAETC PIFYDVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 62354 | SVTEEVVE EEGPVDEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 94626 | NPTCWAI CKRIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 75561 | YQTELARV QKANADA KATY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 94695 | SNNPTCW AICKR | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|-------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 69324 | VKTKNTTT TQTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 63344 | TEEIDEIES VTEEVVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95827 | SGASAQSG GASAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95827 | SGASAQSG GASAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95901 | TEKPLEPA PVEPSYEA EPTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 75274 | YP EEVVVE VVPEEVVE EVVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 64653 | TKQRQNK PPNKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 94573 | KRIPNKKP GKKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95815 | SAQSGASA QSGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95815 | SAQSGASA QSGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95830 | SGASAQSG GTSGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95815 | SAQSGASA QSGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95830 | SGASAQS GTSGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 75455 | YQAKLTAY QTELARVQ KAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 75273 | YPEELVEE VIPEELVEE VIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 64606 | TKKPTFKT TKKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 62354 | SVTEEVVE EEGPVDEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95842 | SGTSAQSG TSGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 66683 | TTKQRQN KPPNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95829 | SGASAQS GTSGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 75274 | YPEEVVEE VVPEEVVE EVVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95694 | PVKPTAPT KPTYETEK PLKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95842 | SGTSAQSG TSGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 63345 | TEEIIQGES KVEEVVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 67054 | TVKTKNTT TTQT | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|--------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95814 | SAQSGASA QSGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 74475 | YKLNIFYD LLRAKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95828 | SGASAQS G TSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 63345 | TEEIIQGES KV EEVVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 62354 | SVTEEVVE EEGPVDEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 94550 | ICKRIPNKK PGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 52245 | QRQNKPP NKPNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 39597 | LSQDEIDR MVNDAEK Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 47220 | PDVPYVKR VK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 39597 | LSQDEIDR MVNDAEK Y | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 39597 | LSQDEIDR MVNDAEK Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 51967 | QPSKPTTK QRQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 40575 | LVSEEIVTE EGSVAQE | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 40575 | LVSEEVTE EGSVAQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 40575 | LVSEEVTE EGSVAQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 43116 | NAAGNAA GNAAGNA AG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 48662 | PNKKPGKK TTTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 40110 | LTPLEELY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 44571 | NKPPNKP NNDFH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 49683 | PTKKPTFK TTKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 58957 | SKVEEVVE EQGSENEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 58957 | SKVEEVVE EQGSENEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 43191 | NAKATYEA ALKQYEAD LAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 58957 | SKVEEVVE EQGSENEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 58251 | SGTEEILEK VSASQEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 58957 | SKVEEVVE EQGSENEE | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | 0.003 | 0 | t | 43233 | NANP | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 51729 | QNKPPNK PNNDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 58251 | SGTEEILEK VSASQEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 55457 | RQNKPPN KPNND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 58251 | SGTEEILEK VSASQEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 58251 | SGTEEILEK VSASQEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 58921 | SKPTTKQR QNKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 45817 | NSGCFRHL DEREECKC LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 49414 | PSKPTTKQ RQNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 43730 | NEREDERT LTKEYEDIV LK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 60424 | SQEIVQNE SGTEEILE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 48681 | PNNDFHF EVFNF | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 60424 | SQEIVQNE SGTEEILE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 49137 | PQTTKPKE VPTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 53195 | RARGRGR GRGEKRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 48618 | PNDPNRN VD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 48618 | PNDPNRN VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 60424 | SQEIVQNE SGTEEILE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 43435 | NDFHFEVF NFVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 60424 | SQEIVQNE SGTEEILE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 45817 | NSGCFRHL DEREECKC LL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 45054 | NNDFHFE VFNFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 48345 | PLGLRSEF PI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 49786 | PTTKQRQ NKPPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11927 | EEVVGEEK LVSEEIVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11927 | EEVVGEEK LVSEEIVT | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 11927 | EEVVGEEK LVSEEIVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 11927 | EEVVGEEK LVSEEIVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 18536 | GACAPYRR LHLCD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 29248 | IVEEDAPA TEEIDEIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 29248 | IVEEDAPA TEEIDEIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 32827 | KPPNKPN NDFHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 23770 | HFEVFNFV PCSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 32723 | KPGKKTTT KPTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 34197 | KVSASQEI VQDGSVT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 13834 | EQGSENEE IFVEEVSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 13834 | EQGSENEE IFVEEVSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 13834 | EQGSENEE IFVEEVSA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 34197 | KVSASQEI VQDGSVT E | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 11652 | EEGPVDEE IVQEEGTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11652 | EEGPVDEE IVQEEGTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 29409 | IVQEEGTV TEEIIQGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 29409 | IVQEEGTV TEEIIQGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 29409 | IVQEEGTV TEEIIQGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 31254 | KIFQDHPL QK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 29409 | IVQEEGTV TEEIIQGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11652 | EEGPVDEE IVQEEGTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 11652 | EEGPVDEE IVQEEGTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11652 | EEGPVDEE IVQEEGTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11652 | EEGPVDEE IVQEEGTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11820 | EENVEHD AEENVEEN V | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11661 | EEGSVAQE IVEEDAPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11661 | EEGSVAQE IVEEDAPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 11661 | EEGSVAQE IVEEDAPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11661 | EEGSVAQE IVEEDAPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 11661 | EEGSVAQE IVEEDAPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 17707 | FSFCETNG LE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 26870 | IKPGSANK PKDEL DYEN DIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 26870 | IKPGSANK PKDEL DYEN DIE | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 16103 | FHFEVFN FVPCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 27395 | ILVEGSVTE EVVGEEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 27395 | ILVEGSVTE EVVGEEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 27395 | ILVEGSVTE EVVGEEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 27395 | ILVEGSVTE EVVGEEK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 15323 | FCETNGLEYI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 33892 | KTTTKPTK KPTF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 15348 | FCSLTSLAT SCGAAVFI PFR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 25852 | IEKKIAKM EKASSVFN VV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 32769 | KPKHKKLK QPGDGNP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 32769 | KPKHKKLK QPGDGNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 32769 | KPKHKKLK QPGDGNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 32901 | KPTKKPTF KTTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 28075 | IPSTAFTDI AWRRLPNHY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 28075 | IPSTAFTDI AWRRLPNHY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 28075 | IPSTAFTDI AWRRLPNHY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 21373 | GNAEKYD KMDEPQHYGKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 21373 | GNAEKYD KMDEPQHYGKS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 28074 | IPSTACTDI AWRRLPCHYG | Rattus norvegicus |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 29965 | KATYEA AANN AKNAALT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 26178 | IFVEEVSAS QEIVQNE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 26178 | IFVEEVSAS QEIVQNE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 33063 | KQRQNK PNKPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 34948 | LARSFADI GDIVRGK DLY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 27961 | IPNKKPGK KTTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 20012 | GGSGGSV ASGGSVAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 34965 | LASLRKAF ADTVPVR PSPNY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 12412 | EIDAPRVF DARFSRHY SVQL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 34965 | LASLRKAF ADTVPVR PSPNY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 13644 | EPERTAM KKIQDCY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 34965 | LASLRKAF ADTVPVR PSPNY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 29897 | KANADAK AAYEAAV AANNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 13438 | ENANANN AV | Mus musculus |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 12408 | EICPAVKR DVDLFLTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 31580 | KKIQDCYV ENGLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 10069 | DRYIPYSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 6222 | CFDYAPYV SAVDDIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 751 | ADPVTTEG DYVVKISEF YGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 8448 | DGNCEDIP HVNEFSAI DL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 7971 | DEENRKRI EARNLEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 3221 | ANAANEAA DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 8448 | DGNCEDIP HVNEFSAI DL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 8448 | DGNCEDIP HVNEFSAI DL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 3221 | ANAANEAA DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 8448 | DGNCEDIP HVNEFSAI DL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 3221 | ANAANEADYQAKLTAYQTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 1975 | AIKKRNADAKADYEAKLAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 8448 | DGNCEDIPHVNEFSAILDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 333 | AANNAANAALTAENTAIAIKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 8275 | DFHFEVFNFVPC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.029 | -0.023 | -0.019 | t | 113535 | IGGRVHFFKDISPIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.022 | -0.011 | -0.009 | t | 116971 | FAVLKLMGRGTKF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.03 | 0.029 | t | 123001 | AASEDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.04 | 0.04 | t | 23207 | GVVTLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.019 | 0.019 | 0.018 | t | 50396 | QAYQQGVTV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | -0.002 | t | 123010 | AGAMIPPPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 76396 | YVRGGGAVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135945 | KFGADARALMLQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|--------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.03 | 0.03 | t | 55981 | RSTSLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.039 | 0.03 | 0.03 | t | 55981 | RSTSLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.023 | 0.02 | t | 39253 | LRYHNVY CTTSKSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 115427 | PTQLEEQC HI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 95480 | ITELSEFIP GAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 5575 | AVTPLGPP AAEY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 151612 | DPLLTGNY KEAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 123278 | GYLKDLPT T | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 102139 | TLQPDRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 6292 | CGGTPPSL PTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.012 | t | 21673 | GPKGRNV VLEKKWG AP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.022 | -0.02 | -0.021 | t | 97223 | AWNPSLL G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.04 | t | 103993 | IPPSLRITL DNEERMS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.013 | -0.01 | -0.008 | t | 52825 | QVYYRPV DQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11699 | EEITQVATI SANS DH | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.004 | 0.001 | 0 | t | 61192 | SSLRYGNV LDVNAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.004 | 0.001 | 0 | t | 30597 | KERSSLRY GNVLDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.004 | 0.001 | 0 | t | 22799 | GTRIRFKD DTSFED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.004 | 0.001 | 0 | t | 11354 | EDINGIRR PKHLYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.014 | 0.02 | t | 112837 | SGYIPANT TIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 119573 | EWEDTYGI VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.009 | t | 105684 | ASFDKVKG DPVGILYA VFKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23191 | GVTYEIDL TNKNAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.029 | -0.029 | t | 79042 | PKSKPFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | 0.001 | 0.001 | t | 24012 | HHPSTNQ EQTSLYVQ AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.022 | 0.029 | 0.03 | t | 52477 | QTASQVET EDTKEPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 128540 | EKTSFFQA LGITTKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33746 | KTKRNTNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115825 | KIEKFQSEE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 99602 | RDQSSYLQ GFSRNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156927 | NTFQAFY | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 117749 | APAMIPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117749 | APAMIPP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 16123 | FHLPYNHN WFAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.031 | 0.031 | t | 14774 | EVLYEAFD EMEECASK AALI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.017 | -0.02 | t | 70648 | VQSVASSR RHKRFAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.036 | -0.03 | -0.032 | t | 59300 | SLLRRRRN GEDVSV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.036 | -0.03 | -0.032 | t | 59300 | SLLRRRRN GEDVSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.007 | -0.01 | t | 13728 | EPPVVHGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.022 | t | 12182 | EGGTWRI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.007 | 0.011 | 0.012 | t | 47200 | PDSDAESY SSMPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.007 | 0.011 | 0.012 | t | 47200 | PDSDAESY SSMPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.043 | -0.04 | t | 34180 | KVQYDMP K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.003 | t | 140606 | TMWDALE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 130872 | GSFLTGP SKLNDRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 66841 | TTTCFRDT DTGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48819 | PPLGNWF G | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.017 | 0.032 | 0.033 | t | 98968 | QQNPQA QGSVQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.01 | 0.013 | 0.01 | t | 156871 | FQNIASM PHLYV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.011 | t | 62715 | SYSYNKDN NELSHFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.029 | -0.028 | t | 98839 | KALLYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.03 | -0.023 | -0.021 | t | 1740 | AHAAYLN ATPAAKVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.012 | 0.013 | 0.008 | t | 59983 | SPAPPPPE HRGGPEEF EGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.031 | 0.03 | t | 40018 | LTLNLITE MG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 137844 | EYETDPSV TKMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.026 | -0.022 | t | 115574 | YWLAHKA LCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.029 | t | 151005 | KEVLVLW GIHPSTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 70664 | VQVVYDY Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.022 | 0.022 | t | 106599 | LEFRHSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | -0.004 | 0 | t | 30799 | KFNPD LAP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.017 | -0.02 | t | 5597 | AVVGGLG GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135837 | DMYGD IRL TGLI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135837 | DMYGDIRL TGLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135837 | DMYGDIRL TGLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 118217 | VTKYITKG WKEVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.033 | t | 9588 | DPAFSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.009 | 0.016 | 0.02 | 0.02 | t | 147083 | LCSEYRNT QIYTIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.003 | -0.009 | t | 122793 | HTQNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 130598 | RQFECYTT CVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 107861 | GLEGQDT KTITFDVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 119592 | HTFPAVLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133956 | WIMSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141862 | CIKTLMTN VETYFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140834 | DAVKGYLA GKGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98953 | QEPDDLK QKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.02 | t | 35139 | LDEGKQSL TKLAAAW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 119900 | GKTINKIDI DTEAYT | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 119900 | GKTINKIDI DTEAYT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0 | -0.001 | t | 119900 | GKTINKIDI DTEAYT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 119900 | GKTINKIDI DTEAYT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 119900 | GKTINKIDI DTEAYT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 119900 | GKTINKIDI DTEAYT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0 | -0.001 | t | 119900 | GKTINKIDI DTEAYT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0.001 | 0 | t | 5029 | ATLCSALY VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.013 | -0.01 | t | 17795 | FSNVYLFA KDKSGPLQ PGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.02 | -0.021 | t | 122886 | RGTDEYFI RKPP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.049 | 0.059 | 0.051 | 0.05 | t | 783 | ADTQGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.021 | -0.022 | t | 51830 | QPFPSQQ PYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 118052 | PPGAMPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 20523 | GKCGVSIP YK | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|--------|---|--------|-----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.01 | 0.013 | 0.01 | t | 110957 | PAAVTLAE ADRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.011 | t | 135930 | GDKVSFFC KNKEKCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 135501 | SQWNKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 37029 | LKTAAESA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 140934 | YGEEKPAV LGHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.062 | t | 27557 | IMSGEVPS TEDLVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156923 | NLHTSF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 136126 | AKYNQLLR IEEELGSKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 115392 | NICNISCD KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 119641 | SEHETRLV AKLFKDYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 96444 | KDEDEEDE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123278 | GYLKDLPT T | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113480 | GQQPGQG QPGYYPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79586 | KIPIALS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 45637 | NQVYYRP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.01 | t | 21469 | GNLLLSCL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.056 | -0.041 | -0.04 | t | 17376 | FPQQPQR PFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0 | t | 65050 | TLRVYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.02 | 0.02 | t | 52844 | QWKLQPG D | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 47160 | PDPPQPD FPQLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.011 | t | 48332 | PLGFFPDH QLDPAFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.01 | 0.02 | 0.02 | t | 140938 | YLNATPAA KVLVEGNT DERG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.02 | -0.02 | t | 50203 | QAAAGDK PS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.012 | t | 95543 | LCPNNLCC SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.039 | -0.03 | -0.028 | t | 79995 | RAVFMQQ RPLRM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.03 | t | 48869 | PPPPRVQP RKTKSV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.012 | t | 133468 | YYYNEIKLK ESYKLKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 109476 | LDSDGSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 75847 | YSPELE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 75847 | YSPELE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139317 | TLLELPAAE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.015 | -0.01 | -0.01 | t | 41294 | MDYVSCT PGLRVELS TVSNA | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.032 | 0.033 | 0.03 | t | 5112 | ATQAATV AVTPEETA VASPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.045 | -0.037 | -0.04 | t | 62326 | SVSHARPR WFWFCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.011 | 0.02 | 0.019 | t | 78627 | DPDPPDA NDPAPPN AN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.011 | t | 65492 | TPADPAAS SSERG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.023 | 0.022 | t | 66751 | TTPAQGTS M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 51145 | QIVGGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.011 | 0.012 | t | 96494 | KQMGQT GGSY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 32635 | KNVVTGE VQVLYTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.039 | -0.03 | -0.028 | t | 80090 | VTSVAMK PYEVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.039 | -0.03 | -0.028 | t | 80090 | VTSVAMK PYEVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.01 | t | 149785 | KTVEGVKD LQAQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.001 | -0.001 | t | 131303 | PVPSTPPT PSPSTPPT PSPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | -0.001 | t | 131101 | TDSEMDV VRFDDDN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 119605 | KSRWQQG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.04 | -0.041 | t | 122998 | AAMDRLR IGF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.033 | 0.03 | t | 54335 | RKDRVED A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 7155 | CTIAALGSS DRDTVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 88981 | SPTSVTVG KGAFSFKR E | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.02 | -0.007 | 0 | t | 141778 | VYVPPRRQ QLCLYELF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 76396 | YVRGGGA VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142408 | DQVTKKEK KTIKKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131883 | FVKQFSNI SFSRDSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 137882 | GQNVLSA D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.008 | 0.01 | 0.01 | t | 141622 | DPNGWTG TDNNFSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.04 | t | 8239 | DFCGKGY HLMSFPQ AAP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 144676 | GTHPSLQF T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.011 | -0.017 | -0.021 | t | 106192 | YCHTFHGA G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | 0 | 0.001 | 0 | t | 51371 | QLINTNGS WHIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.04 | t | 126897 | QSQQFSVS ENLLKEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 43506 | NDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.016 | -0.011 | -0.01 | t | 18512 | GAALLQSA RR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.016 | -0.02 | -0.02 | t | 51974 | QPTELRY S W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 51974 | QPTELRY S W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 51974 | QPTELRY S W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 120681 | KILPEVKE K H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.028 | -0.02 | -0.021 | t | 153388 | GKFKKIVK GTHHWM LLTF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.02 | t | 95842 | SGTSAQSG TSGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.007 | -0.009 | t | 99288 | GLSERRAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.003 | 0 | t | 115053 | GGSYFMIS R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.003 | 0 | t | 115053 | GGSYFMIS R | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.023 | -0.022 | t | 50648 | QELQEVD RRCRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 55826 | RSELSQLS MYRVFEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 66435 | TSSLASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.038 | -0.03 | -0.03 | t | 106739 | QKREACKC IVRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 75849 | YSPEVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 7765 | DDEHVEEP TVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.008 | -0.011 | -0.011 | t | 4885 | ATALDTSN KFADFLQI | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 107479 | KFNWYVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.011 | -0.024 | -0.03 | t | 78322 | YKGHLH | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 22132 | GRLITV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.004 | 0 | 0 | t | 11353 | EDINGIRR PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.003 | -0.002 | t | 52600 | QTQQPQQ PFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.017 | 0.02 | t | 119923 | GYISKAQE YFN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123186 | FMVYEAL DA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114823 | FNPVCGT DGV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.024 | -0.01 | -0.01 | -0.01 | t | 137866 | GDTRPRFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.038 | 0.03 | 0.032 | t | 30986 | KGIYPLSYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0 | t | 50957 | QGSGKGV SFQLVKLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 7809 | DDKEKDP QYRALMG ENQDLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.003 | 0.01 | t | 129661 | PVDGVVL VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.015 | 0 | 0.001 | t | 48618 | PNDPNRN VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.002 | 0.01 | 0.01 | t | 116169 | TPRTPPPS QGKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | -0.002 | 0.01 | 0.01 | t | 116169 | TPRTPPPS QGKG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.027 | 0.02 | t | 116434 | PGFGYGG RASDYKSA HKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.013 | -0.021 | -0.022 | t | 44598 | NKSLGACP IR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.013 | 0.011 | t | 66474 | TSTVQVFT DSEYQLPY VLGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.023 | t | 150200 | FGEHKQEK DLEYGAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.039 | 0.043 | 0.042 | t | 47858 | PHVVDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.011 | -0.01 | t | 78735 | LRVKIERD DLSRETIQ II | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133543 | DKAFAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.049 | -0.037 | -0.037 | t | 96170 | DEDSYERDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.003 | -0.002 | t | 95356 | ENGDTVFT EVGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.037 | -0.04 | t | 134418 | KGAIIGLM VGGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 92811 | GGNGDDF IDG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111791 | SNIQVLLD VPRSDVQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.043 | 0.04 | t | 151609 | DETPMRG ETRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.04 | t | 50741 | QFAPSASA FFGMSRIG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 128066 | NSYDVLSA LSGNLKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48597 | PNANPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 65409 | TNRNPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.022 | -0.02 | t | 135913 | EEAIERAV VHVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.027 | 0.031 | t | 13908 | EQQKEQC VKECEKYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38681 | LPRRGPRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25624 | IDLTKNA AKL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0.003 | 0.002 | t | 18954 | GDDPLLGNQ | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 45695 | NRLGGLFNFGPKQKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.035 | 0.027 | 0.03 | t | 70542 | VQDLMKSSGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60116 | SPLLGICGSTCAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.019 | -0.02 | t | 67449 | TYRFVSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 78872 | VIPDREVL YQEFDEM EECAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 78872 | VIPDREVL YQEFDEM EECAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153274 | NLSTSNPL GFFPDHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115796 | IQAFLLYQ EP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130637 | WSSCVFSV SYCL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108416 | HAKKTPPAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114902 | NDCLLCAY SI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115865 | MPFPKYP VEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.009 | 0.011 | 0.01 | t | 39198 | LRRTQSM GIQLDQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 119925 | HFPEDEQ NGSMKLG TWT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 119925 | HFPEDEQ NGSMKLG TWT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.01 | t | 119925 | HFPFDEQ NGSMKLG TWT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.023 | 0.02 | t | 158944 | KVQVQGP WDEEDIKL D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.009 | 0.01 | t | 43839 | NFGDQDLI RQGTDYK | Macaca cyclopis |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.007 | 0 | 0 | t | 79329 | PDHVRTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 54838 | RLYIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108095 | RFTPEIAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.028 | 0.03 | 0.029 | t | 28291 | IRFKDDTSF EDING | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 98698 | APKPAPQP GP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.04 | t | 98885 | LPMHIRLS FN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 123227 | GGGDAPP SH | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.039 | 0.037 | 0.03 | t | 117214 | KGEQGEP GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.011 | t | 119575 | EWESTYSIL G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.06 | -0.049 | -0.051 | t | 97117 | YIQMKRIA VG | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.007 | 0 | 0 | t | 72889 | WNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 65101 | TLTLSHF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 79285 | LDPEYWN FRNGDLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.018 | t | 135465 | GSDYEDRY YREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 116978 | FPSHYWLY PPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.016 | 0.008 | t | 8379 | DGEPPED DDSATGLA FRTPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 158290 | SQQAPAV PPLPQ | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.039 | -0.04 | t | 120410 | ARLVVLAS GTGSLLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.014 | t | 133537 | CLTINTTVC A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.035 | 0.03 | 0.03 | t | 61409 | SSTQVQHT LLQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 138088 | WLDLSKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 138088 | WLDLSKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 138088 | WLDLSKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 138088 | WLDLSKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107511 | LPAPIEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110616 | GPSGLAGP KGANGDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.058 | 0.059 | 0.06 | t | 55924 | RSQDACIE FVQQEVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.007 | -0.008 | t | 41541 | MFTCKK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.02 | -0.017 | -0.022 | t | 156860 | DRWNSM WKESLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.029 | 0.03 | t | 22252 | GRWDEDG EKRIPLDV A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 97231 | CNTKCQTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 39164 | LRPGPVSQ PYHHWDT DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106441 | GDLKRTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130805 | ELNPEPDT EVFPMTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.051 | -0.041 | -0.041 | t | 37698 | LLQAHRQL EER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.024 | 0.029 | t | 151045 | PVHDCNT TCQTPKGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.062 | 0.06 | 0.06 | t | 132709 | TTTTGESA DPVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.04 | -0.042 | t | 138757 | AHWSGHCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.019 | 0.018 | t | 73784 | YEVRAELP GVDPDKD VDIMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.057 | 0.063 | 0.06 | t | 94572 | KQWEDEV TEFNYKVG LQNSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 99209 | ELFTNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.074 | -0.069 | -0.07 | t | 73020 | WRCPPRR R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.011 | -0.01 | t | 60433 | SQERNFV DSIGQS FQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 95818 | SAQSGTSG TSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.01 | 0.01 | 0.01 | t | 123210 | GAVQGPV P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | -0.004 | t | 20089 | GGWNTG GSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.027 | -0.03 | t | 65521 | TPCSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.014 | 0.02 | t | 23078 | GVNQELA YFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.003 | t | 11571 | EEEDDDM GFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.039 | 0.031 | 0.03 | t | 65861 | TQGSNWI Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 94451 | CCNPACG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 94451 | CCNPACG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.02 | 0.02 | 0.02 | t | 94451 | CCNPACG | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.086 | -0.088 | -0.083 | -0.092 | t | 121503 | KRLKISKKP KDPEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 49106 | PQQQFPQ PQQ | Mus musculu s |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 137555 | QEWQQQ DECQIDRL D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134687 | GWLKEIRK LQKSTHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79384 | SCNSFMIP AQPSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79357 | RCDLRYDA FVPWCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.02 | t | 47544 | PFPQPQQ PFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.02 | t | 47544 | PFPQPQQ PFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.01 | 0 | 0 | t | 139404 | YIDINKTIA DMLEQYN PNYT | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.022 | -0.021 | t | 70010 | VMPVGG QSSFYS D WY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111907 | VEVGRGQ PLGVGISG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.018 | t | 140854 | GFDKYDIT GEYVQILD AHAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.01 | 0.003 | t | 115785 | HSYQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.008 | t | 51908 | QPQPFPS QQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.055 | 0.043 | 0.051 | 0.05 | t | 49890 | PVIVPDRE VLYREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.055 | 0.043 | 0.051 | 0.05 | t | 49890 | PVIVPDRE VLYREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.029 | t | 134233 | SKLIKIF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.011 | 0.01 | 0.01 | t | 50864 | QGGGGW GQPHGGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.012 | t | 144701 | KFGNYNH TQLLGQLQ AV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.011 | 0.017 | 0.018 | t | 105700 | CPSTYEPP AQQGRRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 45948 | NSQLRLNY EKSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120609 | IFAD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.027 | -0.028 | t | 55460 | RQPDLIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.018 | t | 14639 | EVDDEALE KFDKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.053 | 0.05 | t | 134015 | CDKNTGD YYEDSYED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.009 | t | 49967 | PVSLGGDV PNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.023 | -0.021 | t | 49454 | PSPAPSRP FSVLRAND V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.008 | t | 63757 | TFTNKLKS KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.022 | t | 95543 | LCPNNLCC SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.043 | 0.042 | t | 23349 | GYGTVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.011 | -0.012 | t | 73529 | YDDVNGIR KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 97476 | LSTTDSFS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 49097 | PQQPQQP FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 49097 | PQQPQQP FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 139614 | SSHHPGIA EFPSRGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 133553 | EDMSYWH EWNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 158610 | SFGTFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 117546 | KIRRSKSP LPEVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.008 | 0.01 | 0.01 | t | 45693 | NRKNQLK DMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132940 | WGSNVTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 475 | AATVLQLP QGTTLPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 131853 | DVDEPLEV FISAPRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.01 | t | 100283 | LPNIAEQY TH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.001 | 0 | t | 21812 | GPTRTIGG SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | t | 33488 | KSQQARQ VKNNNPF S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.04 | 0.04 | t | 68171 | VEESYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.008 | t | 107784 | DGSFFLY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 69183 | VKAVTTLL KA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 26849 | IKMVSSLK TKIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.01 | 0.011 | t | 73784 | YEVRAELP GVDPDKD VDIMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.054 | 0.041 | 0.04 | t | 11877 | EESIYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.021 | t | 139631 | VIQNRQD GSVDFGRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.034 | -0.039 | -0.042 | t | 1165 | AESPKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 115657 | TLRIRNVR FSDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.01 | 0.008 | t | 110762 | AGSSIVPLE EYPAEIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 6233 | CFKKPPKY PPALPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | 0.001 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 115464 | QYTDAPSF SDIPNPIGS ENS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 108518 | LGLHALQS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.023 | -0.019 | -0.019 | t | 55436 | RQKLKDAE RAVEVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135755 | SALVLQYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 137927 | LSADFTPG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.027 | 0.021 | 0.02 | t | 136302 | GALIYTPEK YTI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.021 | 0.02 | t | 13421 | EMVDVVT G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.021 | 0.02 | t | 13421 | EMVDVVT G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 23594 | HCHTHAD GEVHC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.007 | 0.008 | t | 113709 | PQQPGQG QQPGQLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132938 | WGSNPA M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 70269 | VPDKEVLY Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.013 | t | 140582 | PWATLVA ES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 108136 | SLNTADSK TTTTPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.011 | 0.01 | t | 82831 | GPTHSKEI PALTAVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.012 | 0.018 | t | 144385 | KPLEEVLN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 57509 | SEKTTMPL W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.035 | -0.031 | -0.03 | t | 97732 | VGSAAPAF A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.051 | 0.06 | t | 119457 | GLELPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.002 | 0.003 | 0 | t | 72517 | WGSFPGC RPFQNYFS YET | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.017 | t | 144795 | TAAGYCNT GGGLPDS VKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 144676 | GTHPSLQF T | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 155334 | PADSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.029 | -0.03 | t | 149414 | PQLPYPQP QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.033 | -0.031 | -0.03 | t | 68970 | VIGHEYFH NWT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65411 | TNRRPQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.022 | -0.021 | -0.022 | t | 57733 | SFCIMPPSI SEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.018 | t | 138028 | SAGALQLL VVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.053 | 0.053 | t | 106509 | HGLTTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.018 | t | 24099 | HITDDNEE PIAPYHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.011 | -0.01 | t | 78647 | ETIIQIEYG KKFNSSAG D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.036 | -0.03 | -0.03 | t | 44598 | NKSLGACP IR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.008 | t | 124703 | SDDNYDK TEDVDIEE MALKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 115317 | KKILDKVG I N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 119535 | TQDLGYSR V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 130760 | CSFHYQNR C | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 141697 | LEGVYVPP RRQQLCLY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.01 | t | 141697 | LEGVYVPP RRQQLCLY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141697 | LEGVYVPP RRQQLCLY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141697 | LEGVYVPP RRQQLCLY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123086 | DKFNMGL DL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119510 | QKKMVAL SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131275 | WHDDNPF FFEAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97691 | TKQPVLD FS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135661 | EDAKPGQ F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.042 | t | 59946 | SNVQQDS Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.01 | t | 60249 | SPSAVPTD HGAHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.009 | 0 | 0.002 | t | 79964 | PGSSPME VMLRAVF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 55477 | RQQWELQ GDRRCQS Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.039 | -0.031 | -0.03 | t | 11802 | EENKKPAE | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | 0.001 | 0 | t | 14380 | ETFTNKLK EKHTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 101716 | HQPTPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 101716 | HQPTPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.03 | t | 47398 | PERIKLDY DQYCADV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 800 | ADYHRVM Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.007 | -0.008 | t | 98653 | YYTKNTNN NL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.016 | -0.007 | -0.008 | t | 98653 | YYTKNTNN NL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.011 | -0.012 | t | 46488 | NVSVSPSP STPLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.035 | 0.03 | 0.03 | t | 107086 | ANYGYTFG SG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.009 | t | 74488 | YKPLGALT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.04 | t | 78117 | DIQKVAGT WYSLAMA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.027 | 0.037 | 0.03 | t | 105976 | NGVTLGYT SGTCQGN ASATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.009 | 0.011 | t | 21763 | GPRLQPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.065 | -0.06 | -0.06 | t | 132846 | KAKRLHLS PVRLAE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.004 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.022 | t | 140843 | EKPAVLGH DEAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.029 | -0.028 | t | 25061 | HVLGRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 103359 | LILTSYTS EAMLDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153349 | ACTDFEG MLCGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135440 | AFPAVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 104149 | NHYFLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132098 | TLLLEGVM AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | 0.003 | 0 | t | 106779 | RKPLSPG MTGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.027 | 0.028 | t | 95766 | RNANEEY SI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.027 | 0.028 | t | 95766 | RNANEEY SI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.037 | t | 124367 | KLKARVDE LERIRRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | -0.002 | t | 47006 | PAYEKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.042 | -0.04 | -0.041 | t | 30116 | KDATGIDN HREAKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 131346 | AIPDRFS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.003 | -0.009 | t | 108052 | NWLSLITAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 129024 | KADQLYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140559 | FPYELLMQ G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.019 | t | 107083 | AKDVKFG ADARALML | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.02 | 0.033 | 0.031 | t | 63736 | TFQVEVPG SQHIDS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 137747 | DTPLTYAG LRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.04 | 0.04 | t | 25262 | IAETQHGT I | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115233 | EPMIGVN QELAYFYP ELFRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 138203 | MGEFFMP YPGTRIN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.005 | 0.01 | 0.01 | t | 138215 | PPVANDT RIVMGRL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.003 | t | 110995 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 116930 | AYKLPQTD DST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 116930 | AYKLPQTD DST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 22685 | GTHNGQI GNDPNRDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.042 | t | 45639 | NQVYYRP MDEYSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.02 | t | 15991 | FGHQVGD G | Homo sapiens |

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|---|------|---|---|------|-------|--------|--------|-------|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 73611 | YDYQHKE G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 4770 | ASSGIGPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 38583 | LPLPWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.007 | 0.008 | t | 8803 | DITPQEFS KKYLQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.011 | 0.02 | 0.021 | t | 75691 | YRYNIYSEK EKSINIDF N | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 32913 | KPTTKQRQ NKPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.036 | 0.033 | 0.029 | t | 13641 | EPEQVELQ PPPQGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.042 | 0.038 | t | 48851 | PPPEHRG GPEEFEGA GDGEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 22121 | GRLGIYRY VSTGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.012 | 0.01 | t | 53267 | RCEPVVCY LYGKRGG GKSLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | 0 | 0 | t | 97181 | AFPLPTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | 0 | 0 | t | 97181 | AFPLPTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | 0.002 | t | 49621 | PTFKTTKK DHKP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.029 | 0.03 | t | 110862 | GGPTLVSL HELPAETP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.008 | -0.01 | -0.011 | t | 7165 | CTKKKSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.021 | t | 113345 | DTPTLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | 0.001 | 0 | t | 25054 | HVIWDVG LQSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 12931 | ELADALLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.051 | t | 114223 | PFSRVVHL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 43159 | NAGVLTC LSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0 | t | 127981 | FRRAVLM GGSALSPA AVISH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.013 | -0.021 | t | 116434 | PGFGYGG RASDYKSA HKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.053 | -0.061 | t | 134792 | RSPSPTPT PGPSRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.042 | -0.049 | -0.053 | t | 149384 | MSLPGRW KPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123299 | HVDFMLY ET | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 131867 | EPSPESIRR KMEIDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123300 | HVDFMVY EA | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128101 | SFSRALEN ATRDYFIIC PII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102245 | YNMPALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79586 | KIPIALS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.048 | -0.04 | -0.04 | t | 125454 | KDYKTMV KFCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.04 | -0.048 | t | 108608 | RGGIRRQS L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.039 | t | 138218 | PTPAPGPG RR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 98746 | EDWRRPS HQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.013 | -0.012 | t | 23372 | GYIWIQRN TG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 69595 | VLLGACSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 24812 | HSMKEGI HAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.035 | 0.037 | 0.04 | t | 133634 | LSQDVCTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.03 | t | 120014 | LAAQGAR VYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.003 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.015 | 0 | 0.001 | t | 48618 | PNDPNRN VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 21254 | GMDGTQL DRW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 137883 | GQNVLSA DFTPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.041 | t | 112328 | SPKLLIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.033 | -0.031 | -0.03 | t | 31779 | KLCVWNN KTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.027 | -0.02 | -0.019 | t | 159284 | FSLRLMEE NWNAEKR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.001 | t | 122375 | GLINRAKA VKQFEESQ G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.001 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.001 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 130800 | EGAKAFFK GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.033 | -0.029 | -0.03 | t | 66163 | TSARPAV MPMDAW RE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 77872 | FGTSPTGL KLAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 116944 | DFRYSTRP FAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.011 | t | 95161 | TYGKFCIKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 96104 | APTKPTYE TE | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151031 | LVKKGNSY PKLSKSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105889 | IVGFFSKI | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 23313 | GYCAWPA CYCYGLPN | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.044 | 0.039 | 0.038 | t | 155760 | SATQLYKT CKQAGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.008 | 0 | t | 67297 | TWSGKFP T | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.027 | -0.032 | -0.043 | t | 98691 | ALKALPM HIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 99005 | SLAMAAS DIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.017 | 0.008 | t | 113212 | VPVLSAKA AQASDLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 6540 | CLAVLLGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.006 | 0.001 | 0.001 | t | 78924 | AGPEWLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.01 | -0.01 | t | 159083 | RYKYLPET PKQLAKVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.002 | 0 | t | 57279 | SDSESCSS MPPLEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.013 | 0.011 | t | 99661 | SERRAQSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.065 | 0.06 | 0.06 | t | 97596 | QTPLTMA ALELL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 49191 | PRGRRQPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.031 | 0.03 | t | 40018 | LTLNLITE MG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.031 | 0.03 | t | 75920 | YSVLYNST FFSTFKCY G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0.001 | t | 106842 | SKDEIDSA VKMLVSLK MSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.011 | 0 | 0.002 | t | 144735 | NSSNYCCE LCCNPACT GCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9755 | DPRVRGLY FPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.033 | -0.017 | -0.017 | t | 141646 | FSKWRKN HMRQKSN K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0.007 | 0.004 | t | 104895 | LVEALYLV CGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.02 | -0.018 | t | 109534 | LVGPRGER GFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 149298 | ELDKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 103013 | AEGDTVIIY SKYGGTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 113861 | SISTTNFTN P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137891 | HETHYGYA TLSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149415 | PQQLPQFE EI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149415 | PQQLPQFE EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 127719 | KWSFTPP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.007 | 0.007 | t | 115486 | SISSEEIVP NSVEQKHI QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.003 | -0.01 | -0.008 | t | 40236 | LTWSGKFP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 119988 | KIFAQRLM RY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.012 | -0.01 | -0.01 | t | 17642 | FRRYQEER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.01 | -0.01 | t | 17642 | FRRYQEER | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.016 | 0.02 | 0.02 | t | 75318 | YPHQPPQ QFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0.002 | 0 | t | 67732 | VARDDKG RRYYLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.003 | t | 71143 | VSSYHSKP CNPAQPV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.003 | t | 38345 | LNTEPSQL PPTAPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.003 | t | 56614 | RYPHYSLIK PESSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.003 | t | 6918 | CRFPNITN SHVPILQE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.041 | 0.031 | 0.029 | t | 44700 | NLEYTIVIT P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.007 | -0.01 | t | 11029 | EAELTGYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0.003 | t | 10126 | DSGDGRQ TITNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 25496 | ICESAGTQ EDAASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.011 | -0.01 | t | 78615 | CPGHANR KQCGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.054 | 0.05 | 0.05 | t | 19034 | GDLQVLA QKV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 44920 | NLVPMVA TV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 14475 | ETLVTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.021 | t | 69462 | VLELAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.023 | 0.023 | 0.02 | t | 115406 | NRKVKPTT EGGVETE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.006 | 0.009 | 0.011 | t | 149247 | AEQQWAL YADGSIRP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.033 | 0.038 | t | 122167 | PPPITQGE CKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.01 | 0.012 | t | 52441 | QSTHVDIR TLEDLLMG TLGI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.001 | 0 | t | 97683 | TFSMGAK P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 41052 | MAILGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.01 | t | 7208 | CTSPYDGK YWSMYSR L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119618 | NHYTQKSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 47545 | PFPQPQQ QFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.042 | t | 141621 | DNWHGS NRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4732 | ASRAALIEE GQRIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0 | 0.01 | 0.017 | 0.01 | t | 134194 | PTKSDPRC LTRYSSFV NME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144873 | ATWVDLV LEGDSCLTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.01 | -0.012 | t | 156959 | SLHTTQR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 111109 | AMGYQHP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.02 | -0.02 | -0.022 | t | 156840 | AAPKMCS TWCQMW Q | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.009 | -0.012 | t | 63973 | TGTDLELI QILKDHYN ISLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.001 | t | 60780 | SRRFAPAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 595 | ACSFSSIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 10040 | DRRCQSQ LER | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|-------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.02 | 0.02 | t | 40359 | LVGATPE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.03 | 0.03 | t | 65860 | TQGSNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.039 | 0.03 | 0.03 | t | 65860 | TQGSNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135899 | ASLYHVYE VNLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133598 | HLNSLYYD WTEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123165 | FEQLKEGY L | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78357 | DFPAGYLN DSTLFPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 41948 | MLGNAPS VVPNTTLG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 41948 | MLGNAPS VVPNTTLG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132933 | WGQNSFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112360 | TMTCKSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22122 | GRLGTYRY VASGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.003 | 0.01 | 0.01 | t | 105942 | LSADQIST VQASFDK VKGD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.023 | 0.02 | 0.02 | t | 141098 | VERSESAL F | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.023 | 0.02 | 0.02 | t | 141098 | VERSESAL F | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.008 | 0.01 | t | 48052 | PKEITVATS RTLSTYYKL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.008 | 0.01 | 0.01 | t | 125772 | CAPEPGIP GETRG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.062 | 0.06 | 0.06 | t | 114193 | AEYYNKQY LEQTRAE LDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 14638 | EVDDEALE KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56686 | RYYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 64770 | TLEEWESG KNPYEPRE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.015 | 0.021 | 0.023 | t | 134021 | CQSIAAPS KTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 4911 | ATCMQAD LEVMTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.026 | -0.008 | -0.007 | t | 99014 | SQCQAIH NVVHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.03 | t | 8526 | DGYPVEYD NCAYICW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.024 | -0.021 | t | 138807 | RLQGISP KI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.009 | -0.01 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.025 | 0.03 | 0.03 | t | 94037 | TIQNWFR EAD | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.038 | -0.031 | -0.03 | t | 82909 | GTDSGWG NRQSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.006 | 0.01 | t | 55050 | RNQMGVS ELL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153824 | EKEKYKSIT DELDQTFSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.048 | 0.024 | 0.04 | 0.042 | t | 110138 | YMLDLQP ETTDLYCY EQLND | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.024 | 0.04 | 0.042 | t | 110138 | YMLDLQP ETTDLYCY EQLND | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.011 | 0.012 | t | 79279 | LADLVLI AVIDHVTDL DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115384 | MKPWIQP KTKVIPYV RYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 77802 | TEYSASVK GRFI | Mus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.029 | -0.03 | t | 149371 | LPYPQPQP FL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.012 | t | 41601 | MGLIAGA VGGSL LAAVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.01 | t | 122655 | YKRGIIDR GQYLQLQ ELECD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 49270 | PRVRGLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.026 | -0.022 | t | 114939 | RPICGTDG VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.011 | 0.02 | 0.021 | t | 49691 | PTLDHVLD HVQT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 136081 | RTTLQSDQ EEIDY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 136081 | RTTLQSDQ EEIDY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 136081 | RTTLQSDQ EEIDY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.007 | -0.01 | t | 86674 | NDVFREA QRSYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133623 | KPGEMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.029 | t | 108202 | VVSHFND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.031 | t | 51958 | QPRKTKPV KSLPERK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 123628 | PQQLMPG Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 138626 | SQKDILER KRAAVDR VC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115931 | QTPVVVPP FL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | -0.011 | t | 70541 | VQDKYGR VCYGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.018 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.04 | -0.03 | -0.023 | -0.03 | t | 134147 | LPKGVKHL KDFPILPGE IFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.002 | 0.003 | 0 | t | 20939 | GLIVDTRD VEERVHV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.017 | 0.033 | 0.032 | t | 5244 | AVAASNN PELTTLTA ALSGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0 | t | 108349 | EQEETNPE VLIK | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108349 | EQEETNPE VLIK | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.076 | -0.058 | -0.057 | t | 98924 | PCMDVVL QQHNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.008 | 0.013 | 0.018 | t | 132886 | PVRLAELH SDLKIQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.032 | t | 119467 | ISGKPGPP PMGFHSP LIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.047 | -0.041 | t | 122320 | DVTVGPLI FL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.037 | 0.039 | t | 95077 | ETFTETWN RFITHTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 111166 | CPVYIKPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.007 | -0.01 | t | 24508 | HPSVRYVC LPPERD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.048 | 0.055 | 0.06 | 0.06 | t | 50160 | PYQPVSNL TATTQGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 122209 | VQKDVLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147368 | VFSFGGYT LRGTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117103 | TYQDFSTR PRSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80178 | ADAPQGF YVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97555 | PLPTDAGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97555 | PLPTDAGV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | 0.003 | -0.001 | t | 5558 | AVTFASFD VPSKQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | 0.003 | -0.001 | t | 5558 | AVTFASFD VPSKQPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | -0.002 | -0.003 | -0.002 | t | 99383 | KKNPQLQ DLDMMLT C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.008 | 0.01 | t | 5057 | ATMILAYA MRVPEVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 142202 | KISEASRK GLRRDLDA SREA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.01 | t | 123636 | PVGPAPG MRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 110606 | GNPGTDGI PGAKG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | 0.007 | 0 | t | 133672 | RGGMR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.012 | t | 46055 | NTANPDW DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.041 | t | 135722 | NGKVDAF C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | -0.001 | -0.002 | t | 23913 | HGISEMW YLTPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.026 | -0.008 | -0.007 | t | 98814 | HNVVHAIL LHQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 774 | ADSVGGK D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 65931 | TQSFLATC VNGVCW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 71312 | VTGATVS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 71312 | VTGATVS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.029 | -0.023 | -0.022 | t | 105940 | LRYQQQS RRRSLPYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.007 | -0.01 | t | 110839 | ETTSQMIV KDIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 135458 | FGSDYEDR YYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | -0.004 | 0.01 | 0.012 | t | 132789 | DGFMDFE VYSHQTKP | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.01 | t | 65325 | TNGLASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 48382 | PLKPTKRS FIEDLLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.03 | t | 151711 | RATHQE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.081 | -0.063 | -0.058 | t | 53483 | REECKCLL NYKQEGD KCVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.023 | 0.016 | 0.02 | t | 48129 | PKQGPLP N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.013 | -0.01 | t | 13911 | EQQRFRN CQRYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.032 | -0.043 | -0.046 | t | 30984 | KGITTKW MA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.009 | t | 51147 | QIVGGVYL L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24651 | HQTLQDP RVRG | Mus musculus |

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|---|------|---|---|-------|-------|--------|-------|-------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24651 | HQTLQDP RVRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24651 | HQTLQDP RVRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 98986 | RKIRPEGR EGEQEWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78299 | WHLAYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.014 | 0 | 0 | t | 10799 | DWDFNPN KDTWPDA N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149078 | NITQEAF | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 105975 | NGIEETICT ASFKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103687 | VCAVDMP YLTVELIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78356 | DFLIRYLN DSTPFPPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0.002 | t | 138238 | SMLDTPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119578 | FAIVKFTKV LLQYTGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119578 | FAIVKFTKV LLQYTGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119578 | FAIVKFTKV LLQYTGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140510 | TTTHFLAT KFYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.02 | 0.019 | 0.02 | t | 4884 | ATALDTSN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.033 | 0.031 | t | 16396 | FKLEKEVA E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149979 | TKLSHKN | Capra hircus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.019 | t | 22015 | GREGYPADSKGCKIT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 73449 | YASSGIGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 54861 | RMAWDM MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | -0.001 | 0.002 | t | 57875 | SFQSFNLT EPHIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.021 | t | 45420 | NPNDPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.013 | -0.012 | t | 106196 | YGLPREQARQLKNNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.074 | 0.074 | 0.073 | 0.082 | t | 127778 | PSEFEADL MLGP | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.003 | t | 72087 | VYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 7532 | DAHHAAD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.014 | 0 | 0.004 | t | 97590 | QRDKVNLT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.005 | 0.009 | 0.011 | t | 36729 | LITNTIAGV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.009 | -0.012 | t | 75286 | YPFMWG GAYCF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.017 | 0.01 | t | 120805 | MSGRGKQGGKARAKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.029 | -0.033 | t | 149384 | MSLPGRW KPK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.01 | 0.01 | t | 74162 | YIAGDPAL AYGYAQD QEPDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 92845 | GNGKITQ DEL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1666 | AGRMIPK G | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.008 | -0.01 | -0.012 | t | 146185 | DAEFGH | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.009 | t | 96216 | EEEELLKKS ADTLWN MQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.007 | 0.008 | t | 18963 | GDEGRSVF DDNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 18759 | GASAQSG ASAQSGAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.01 | t | 135845 | WTEIHDW EAAME | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 49998 | PVVEVNG VTIQVGSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 50156 | PYQGSGK GVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 56364 | RVMYASS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 145145 | DPPERPDS P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 8514 | DGVMSTR CPCGAAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107773 | CSVMHEG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.021 | -0.01 | -0.01 | t | 28331 | IRLRHENK DLKARLEN AMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.023 | t | 134492 | QIQRPS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.043 | -0.04 | -0.037 | t | 124708 | SFERFEIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.03 | t | 127963 | EPKPKKAP AKKGEKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.044 | -0.03 | -0.028 | t | 100295 | LVDGNGR FVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 47260 | PEDTLNKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0 | 0.004 | t | 76491 | YYDGRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102510 | HHQKLVFF AEDVGSN K | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 102510 | HHQKLVFF AEDVGSN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 68401 | VEVPGSQ HIDSQKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.001 | t | 72805 | WLTEKEGS YP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 11815 | EENVEENV EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32844 | KPQEEKEK ITKEILNGK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 32844 | KPQEEKEK ITKEILNGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 9106 | DLGSIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 7171 | CTKPTD GNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | -0.001 | t | 9757 | DPRVRGLY FPAGGSSS GTV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.011 | t | 140674 | ESQPDPKP DELHKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.053 | 0.043 | 0.041 | t | 138862 | KFPED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 96450 | KEKPTPPV KP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 144661 | GREGYP A DGGCAWP ACYC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 141623 | DSKLNEIF GSSDTNDI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.03 | 0.03 | t | 141623 | DSKLNEIF GSSDTNDI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 75848 | YSPEVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111156 | CMNKPAY AC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.001 | t | 10868 | DYEDRYYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156423 | QNQLDQV PRRFYLAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.05 | -0.037 | -0.03 | t | 128043 | LDAMPAG NPAFPVIP G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.008 | -0.008 | t | 14426 | ETIGTLKKI LDETVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.008 | t | 124924 | YYVFFEEQ EDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.012 | 0.011 | 0.009 | t | 24362 | HNASGKE AKVCTISPI MGYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.022 | t | 7005 | CSGPTTIR GQFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 156866 | FGSSSAG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0 | t | 52021 | QQFGRDV SDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.02 | 0.02 | 0.018 | t | 156848 | ALTVRCTA PCPQRN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.029 | -0.03 | t | 150874 | NWFDISK WLWYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.01 | 0.017 | 0.02 | t | 158728 | DVKKAFKV IDQDASG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.001 | 0.001 | t | 65678 | TPPAYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 102946 | YGCYCGV GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.03 | 0.029 | t | 123001 | AASEDPR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.013 | t | 114666 | VRSRPSRS RSSRSER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.011 | -0.014 | t | 138242 | SQPEILERT RAEVDTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 65798 | TPVIGSQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73635 | YEDRY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.009 | t | 46316 | NTWKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.029 | t | 16123 | FHLPYNHN WFAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.02 | t | 106690 | NSDHFLQP DPPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106921 | TPYTNNPD LLFT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78260 | RIVSIT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148591 | FAQPQQL FPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.009 | 0.01 | t | 39349 | LSFNPTQL EEQCHI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.009 | t | 52910 | QYGLEKRD NGHQGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.019 | -0.013 | t | 131038 | RKIAKDEG AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.01 | -0.008 | t | 123754 | SRISYDPKF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.009 | 0.008 | t | 47863 | PHYSLIKPE SSL | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.018 | 0.02 | 0.02 | t | 32623 | KNTTTTQT QPSKPTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.059 | -0.059 | -0.061 | t | 3687 | APPLRTW KSRARAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.03 | t | 62993 | TASITSPLT TQNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.021 | t | 120846 | NREPVQLE TLSIRGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78141 | EKAEEVEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 55036 | RNNHPQN TSDSQKEA TD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.021 | t | 144791 | STIDYFQP NNKR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79552 | GEDVGAF PPGKFVTA AL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | -0.01 | t | 95829 | SGASAQS GTSGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.038 | 0.023 | 0.03 | 0.031 | t | 106495 | GYEVHHQ KLVF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0.002 | 0 | t | 25004 | HTYARFGI EIQVQINP TPFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.014 | -0.018 | t | 6233 | CFKKPPKY PPALPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.02 | -0.007 | -0.008 | t | 31502 | KKDGKKAE PKNPRENK LDQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.037 | 0.032 | t | 115649 | SPGKNAT GMEVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.001 | -0.001 | t | 46859 | PALTAVET GATNPL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.021 | t | 43839 | NFGDQDLI RQGTDYK | Macaca cyclopis |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.005 | 0.04 | 0.05 | t | 44172 | NHVADIDK LIDYAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 102248 | YNPTYLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 7514 | DAGDSAYS Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 134757 | PEAPRRRS PSPTPTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 7003 | CSGLSSLFT PGPKQQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 110916 | KLDDTENA SAYAANA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 110916 | KLDDTENA SAYAANA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.031 | 0.04 | 0.039 | t | 112581 | LKKYTFWE VNLKEKFS ADLD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.022 | t | 56856 | SALEWIDL DSSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 134131 | LEEAKTQG PYDVVVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.033 | -0.04 | t | 135994 | SGLAPKRP GPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.004 | 0.01 | 0.008 | t | 21911 | GQLQAVN PNAGNRG Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 150987 | GKCPKYVK STKLRLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 150978 | EKNVTVTH SVNLLED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 137290 | SEIEKLKNK YEAGIP | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 151023 | LCKLRGVA PLHLGKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 128004 | GMIEVQS NYGFVWD VSLKKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 133518 | ASDVVKK MVGETVE SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 133733 | VKTLLPYG SVINYGY VKPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 130994 | PDQRPYC WHYPPKP C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 128066 | NSYDVLSA LSGNLKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 133540 | DALVAKA QEVs | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 128084 | QKNACSF DLCNSYDV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 127944 | DLVNCNL NTNCVAV AFSLPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 127984 | FTNLKFKV RKITSSHR GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 103545 | RGIHVDIII DRSHSKLT FKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 110920 | KPSPWAP KKHRRLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 103049 | ANYTNLSL RLDNNL | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 117348 | PTRAPSGP RPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 111013 | RTGYIPLG TRPPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 103188 | FVLPQDRK IAIQAVLEK IQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 107852 | GEPOSSIIQ Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 71312 | VTGATVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 65360 | TNLEDPAS RDLVVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 85833 | LSIIAEQSN STVDNQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 64690 | TKVAEAEK QKAAEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 68895 | VHTWTEQ YK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 64978 | TLNKDQLL SSSKYTIQR STG | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 70437 | VPPTQSKK KNKNET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 61410 | SSTRGGSR VEGIFAGL FMNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 65298 | TNDEEDT NDEEDTN DEED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 67558 | VAEAEKQK AAEATK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 79303 | LVAAGVD YEDERISF QDWPK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | -0.002 | t | 70937 | VSFQYNA VGPYLNIN FFDSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 66539 | TTASGKLIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 46258 | NTSDSQKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 51163 | QKAAEATK VAEAEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | -0.001 | -0.002 | t | 44852 | NLQKDEP NGRASDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 51454 | QLNPKDN DVEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.001 | -0.002 | t | 46371 | NVESQPG GQPNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 36974 | LKNKIFPKK KEDNQAV DT | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|--------|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 38345 | LNTEPSQL PPTAPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 39164 | LRPGPVSQ PYHHWDT DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 56614 | RYPHYSLIK PESSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 37055 | LKVIRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 44251 | NIISCNKN DKNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 30349 | KEEKEEKE EKEEKEKE KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 30988 | KGIYQTSN FRVVPSPGD VVRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 33859 | KTSERSQP RGRRQPPI KARR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 10892 | DYHRVMY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 13460 | ENDVLNQ ETEEEMEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 35252 | LDPHAFHL LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | -0.001 | -0.002 | t | 21571 | GPARRGA PY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 12625 | EKAFREL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 8119 | DEPAGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 8942 | DKNEKGQ HEIVEVEEI LPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 6632 | CLTFGRET VIEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 5387 | AVIRRANN VLKNEMK RYKGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 843 | AEATKVAE AEKQKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 157811 | QRQCQQR CER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.007 | 0 | t | 122655 | YKRGII DR GQYLQLQ ELECD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117140 | DWEYSVW LSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117140 | DWEYSVW LSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 22133 | GRLITVNP | MD |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.02 | t | 4701 | ASQKIQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.009 | 0.01 | t | 89 | AADKPTLD IRMMNIE A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.009 | 0.01 | t | 89 | AADKPTLD IRMMNIE A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 56862 | SALLED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 56862 | SALLED | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57705 | SEYPSQPL S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109996 | TRLRTIGY TVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.02 | t | 94445 | CCHPACG KHF | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.024 | -0.02 | -0.02 | t | 94445 | CCHPACG KHF | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.02 | 0.023 | 0.02 | t | 110922 | KQMDIKSI NDLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.022 | t | 16043 | FGQIFRPD NFVFGQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 117097 | TLSTDQST TRNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 40292 | LVDADDPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 130453 | CLFFQNGK VKCAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.036 | -0.04 | t | 115784 | HRTFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.01 | -0.012 | t | 156840 | AAPKMCS TWCQMW Q | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.032 | t | 135501 | SQWNKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 139930 | TYDQIQKR FEGATPSY LS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135442 | AGLGGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133955 | WIMNNF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103002 | AAASLAAI AIAFLAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.019 | 0.02 | t | 97565 | PTGSAAA N | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.042 | 0.031 | 0.03 | t | 17402 | FPSDEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.053 | -0.053 | t | 110997 | RCHAANP NGRYYWG GQYTWD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.039 | -0.031 | -0.031 | t | 71851 | VVTHEMA HALG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 45410 | NPNANPN ANPNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136082 | SDDPSPGA IDSNNS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136082 | SDDPSPGA IDSNNS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 158938 | KTQNQGP WDEGRVE ID | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 54224 | RIQLLEEDL ER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.02 | -0.023 | t | 75951 | YTASARGD LAHLTTTH AR | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.02 | -0.023 | t | 75951 | YTASARGD LAHLTTTH AR | Cavia porcellus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 6060 | CCDLAPEA RQAIKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.03 | t | 130916 | KEDFDIYD EDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.017 | 0.001 | 0.002 | t | 136749 | WMLRAAE EYSMNLG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 122289 | CSNSSSSQ FQIHGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 122289 | CSNSSSSQ FQIHGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | -0.003 | -0.002 | t | 13233 | ELQGDRR CQSQLERA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.03 | -0.021 | -0.02 | t | 13425 | EMVIITFKS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.03 | -0.021 | -0.02 | t | 13425 | EMVIITFKS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135959 | LTRAYAKD VKFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149067 | LNFDPPS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.021 | 0.02 | t | 137919 | LGQNVLSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.007 | 0.01 | 0.01 | t | 28290 | IRFKDDSSY EEVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 58127 | SGLSSLFTP GPKQQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 137395 | EESEDEKR RWGQRD N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 148758 | QEQQQQL QQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 105851 | GTAPFEIH ANRIVGFF SKII | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|-------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 105684 | ASFDKVKG DPVGILYA VFKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 105814 | GELPNIEA DVNTFVAS HKPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 105718 | DPSIMAKF TQFAGKDL ESIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 105942 | LSADQIST VQASFDK VKGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 98155 | KEEPTAAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 111752 | SAAGDWI RRNVVAY W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 98186 | KTEEPAAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 105854 | GVTHDQL NNFRAGF VSYMKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95268 | CAQVYNKL GMYP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95201 | AASAYCST WD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 65565 | TPEVDDEA LEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 72178 | VYVEELKP TPEGDLIL LQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95686 | PSLKFILNT VNG | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95987 | VTFTEVG YTRAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 64391 | TINGLART TADRQTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 70153 | VNPNNAA AL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 96017 | YHLYNSQD HG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95752 | RAGFITELS EFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 70370 | VPLYNRFS YIPNGALK FVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 62912 | TALKKAITA MSQAQKA AKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 74689 | YLGYLEQL LRLKKYKV PQLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95383 | FILNTVNG TTRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95696 | PVSQFHIQ GQVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 66759 | TTPDRQA AC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 96025 | YSMLVER DHKNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 76396 | YVRGGGA VP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 62912 | TALKKAITA MSQAQKA AKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95334 | EDVPQPP VSQFH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 74075 | YGRDPYSP SQDPYSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95216 | AEGLYSML VERD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95354 | ELSEFIPGA SLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95728 | QPPVSQF HIQGQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 69271 | VKMAETC PIFYDVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95417 | GLYSMLVE RDHK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95480 | ITELSEFIP GAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 60722 | SRLGRSSA WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95979 | VPQPPVS QFHIQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 70444 | VPQLEIVP NSAERLH SMKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 62912 | TALKKAITA MSQAQKA AKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95624 | NLCCSQW GWC | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95406 | GFITELSEFI PG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 68322 | VEQKHIQK EDVPSERY LGYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95263 | ATYHLYNS QD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95583 | LYNSQDHD GWD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95272 | CCSQWG WCGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 67324 | TYDNECLL CAHKVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 64783 | TLEVHGVK PAAEEVKA TPAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 64783 | TLEVHGVK PAAEEVKA TPAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 95370 | EVGYTRAE GLYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 55187 | RPKHPIKH QGLPQEV L NENL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 50172 | PYSPSQDP YSPSQDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 50795 | QFKTTDVL WFNFTTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 53247 | RAYALWS ARQQFKTT | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 47669 | PGGPDRFT LLTPGSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 37165 | LLDKIYTSP LC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 38505 | LPGKCGV NVPYKIST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 52106 | QQPQQSF PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 53247 | RAYALWS ARQQFKTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 50795 | QFKTTDVL WFNFTTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 48680 | PNNAAGL PGKCGVN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 56195 | RTTPDRQ AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 52082 | QQPFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 60267 | SPSQDPYS PSQDPDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 41204 | MCQCVQK YGTEFCKK RLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 38208 | LNENLLRF FVAPFPQV FGKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 50121 | PYKISTSTN CATVK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 50934 | QGPHVISR IYQTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 50846 | QGDRRCQ SQLERANL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 60414 | SQDPYSPS QDPDRRD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 50934 | QGPHVISR IYQTAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 52194 | QRDEDSY GRDPYSPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 59387 | SLPGQTKIL AKVfyGEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 53409 | RDPYSPSQ DPYSPSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 56185 | RTTADRQT A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 52600 | QTQQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 47669 | PGGPDRFT LLTPGSH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 55889 | RSLPPIVKD ASIQVVSAI R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 47770 | PGVDIIEG PVKNV | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 58703 | SISGVNPN NAAGLPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 47024 | PCIGYVRS GGAVPPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 47669 | PGGPDRFT LLTPGSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 20770 | GLARTTAD RQTACNC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 23169 | GVTHDQL NNFR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.021 | 0 | 0.003 | 0 | t | 21851 | GQCKWV NGREICND RDRPTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 28676 | ISQAVHAA HAEINEAG R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 22771 | GTNISKEH DGECKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 17943 | FTEVGYTR AEGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 17795 | FSNVYLFA KDKSGPLQ PGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 14906 | EVWREEA YHACDIKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 36137 | LGGWKLQ SDPRAYAL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 23169 | GVTHDQL NNFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 28676 | ISQAVHAA HAEINEAG R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 14905 | EVWREEA YHAADIKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 12408 | EICPAVKR DVDLFLTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 34335 | KWVNGRE I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 23077 | GVNPNNA AGLPGKC G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 26167 | IFSQNMNI CLKMP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 34335 | KWVNGRE I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 23494 | GYVRSGG AVPPACC N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 36137 | LGGWKLQ SDPRAYAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 20726 | GKVYLVG GPELGGW K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 20726 | GKVYLVG GPELGGW K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 31580 | KKIQDCYV ENGLIS | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.021 | 0 | 0.003 | 0 | t | 34335 | KWVNGRE I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 24814 | HSMKEGI HAQQKEP MIGVNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 14905 | EVWREEA YHAADIKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 26167 | IFSQNMNI KLKMP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 11035 | EAESISSE EIVPNSVE QKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 22372 | GSIGAAS MEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 13233 | ELQGDRR CQSQLERA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 21851 | GQCKWV NGREICND RDRPTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 30872 | KFVDSTVV ASVTIDRS LP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 22621 | GTDGVTYT NDCLLC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 26167 | IFSQNMNI KLKMP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 346 | AAPANDK FTVFEEAF NDAIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 481 | AAVDSSKA ALTSKLDA AYKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 6895 | CQQTLSVR ALC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 481 | AAVDSSKA ALTSKLDA AYKL | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 751 | ADPVTTEG DYVVKISEF YGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 10277 | DSYGRDPY SPSQDPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 751 | ADPVTTEG DYVVKISEF YGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 346 | AAPANDK FTVFEEAF NDAIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 7947 | DEDSYGR DPYSPSQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 4792 | ASTGGAY QSYKFIPAL EAAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 346 | AAPANDK FTVFEEAF NDAIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 6986 | CSEYREPLL C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 4792 | ASTGGAY QSYKFIPAL EAAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 3493 | APAVKYTV FETALKKAI TAM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 1206 | AEVDCSRF PNATDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 3493 | APAVKYTV FETALKKAI TAM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 8756 | DIPNPIGSE NSEKTTM PLW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 10041 | DRRCQSQ LERANLRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0 | t | 4923 | ATDKEGK DVLVCNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.018 | 0.01 | 0.009 | t | 110962 | PIDVVDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.004 | 0 | 0 | t | 122941 | VVKLLRP YVEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.009 | t | 96526 | LAANNPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 122569 | SFQDENFV FEEF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.036 | -0.03 | -0.03 | t | 105895 | KDLESIKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 24950 | HTNLPQAL WGMQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48598 | PNANPNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 68023 | VDMIAGA HWG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.021 | 0.021 | t | 78854 | TKDTNNN LKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.03 | t | 137399 | FCGLPRLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 135930 | GDKVSFFC KNKEKCC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.008 | 0 | 0 | t | 125211 | QHWSYGL RPG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0 | t | 135835 | CWAFSGV AATESAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 131652 | SFDSSNPE YFDGYWG YS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.026 | 0.027 | 0.03 | t | 1476 | AGDQSYFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.062 | -0.06 | -0.062 | t | 45610 | NQQIAGIG AALIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114920 | PVCGTDG VTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127961 | ELLADVQF ALGLPFYP AYEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.035 | -0.02 | -0.018 | t | 13897 | EQPFPSRL GPLVTLE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.005 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.03 | t | 34935 | LAQMYQA NDNSLED V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.047 | 0.05 | 0.052 | t | 20047 | GGTEIKYN GE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 74942 | YLTIGKNP DFKSTFAV LWEP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0.001 | 0 | t | 113400 | FKLGGRDS R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.027 | 0.03 | t | 9118 | DLIAYKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.034 | 0.02 | 0.018 | t | 132850 | KLDLYLSYP QPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0 | 0.01 | 0.011 | t | 139100 | ITGRLAAL NAYVSQTL TQY | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 82078 | FHQNGQV TEVTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 70817 | VRRRVNA ANKKPEDL TLNDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 46792 | PAFGANS NNPDWDF NP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | -0.001 | t | 18933 | GDAKKKK DGKKAEPK NPREN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.04 | t | 125011 | DFHFEVFN FVP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.003 | 0.01 | 0.012 | t | 118385 | GMTSNGFI ADPDDRGM L | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.013 | -0.011 | -0.01 | t | 37755 | LLRRQVNE VA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 9941 | DRADGQP AG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.027 | -0.03 | t | 118540 | NPVEIRRG VMLAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.018 | 0.02 | 0.02 | t | 105867 | HTDFAGAE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23193 | GVTYEIDL TNKNAAKL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 120403 | AMGSKGN RTDSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.02 | t | 120403 | AMGSKGN RTDSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.032 | 0.027 | 0.021 | t | 104569 | MASPGSG FWSFGSE DGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 117924 | IIAKMKGT F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | -0.002 | t | 24249 | HLLRLSEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.006 | -0.001 | 0 | t | 25786 | IEEPSGQT ADWYTI | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 115514 | TLEDSPEVI ESPPEINTV QV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112119 | FYNTVLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 104870 | LATYHLYN SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79254 | ICADDEE WYSAMCA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 99571 | QGRGYFG LIFPGCPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.012 | t | 66979 | TVDSNNLP ILEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.01 | t | 19491 | GFADLMG YIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 110275 | GPVGPSD PSIVSLVEE TSFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110275 | GPVGPSD PSIVSLVEE TSFI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 108072 | PPGPTGAS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 108072 | PPGPTGAS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 42795 | MTEQQW NFAGIEAA AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 55457 | RQNKPPN KPNND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.019 | 0.02 | t | 75151 | YNGEEYLIL S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.005 | -0.009 | -0.01 | t | 66105 | TRTFTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 141566 | SSIVIPAAV GIKLNVT E DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112841 | SSKRGRQT PVLAMLDH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.032 | t | 105940 | LRYQQQS RRRSLPYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.04 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.013 | 0.03 | 0.032 | t | 96098 | ANEEIRKR NA | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.037 | 0.041 | t | 5990 | CAISGGYP VC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.011 | t | 21617 | GPFFLSPTS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.033 | 0.033 | t | 115328 | KTSASIGSL CADA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134411 | IPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | -0.003 | -0.002 | t | 100398 | PTTPATPT PTPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.017 | -0.003 | -0.008 | t | 156956 | SGIGTLDG FRHRHPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | -0.003 | 0 | t | 21860 | GQFEHFRE CC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.003 | -0.01 | -0.01 | t | 10860 | DYDGYGW RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 49082 | PQQPFPQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | t | 79504 | ADCTTPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 153349 | ACTDFEG MLCGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115536 | VEELKPTP EGDLEILLQ KWE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103431 | MWELYLA YSEAGFRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.019 | t | 96102 | APLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.019 | t | 96102 | APLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158596 | KFGTALW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 38304 | LNPKTNK WEDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 73635 | YEDRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 73635 | YEDRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.042 | 0.042 | t | 27494 | IMGGECPT AEDMVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | -0.001 | 0 | t | 130990 | NVLRGMG GAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 25645 | IDPRGKM V | MD |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79969 | PKQLTFEG K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.05 | t | 20197 | GHWMDA TFNTKTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.019 | -0.02 | t | 133909 | PEPAKKVP APK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.019 | -0.02 | t | 133909 | PEPAKKVP APK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.051 | 0.051 | 0.048 | t | 99741 | TWVNTIQ TNGLLNEA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 115745 | FTESQSLTL T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.002 | -0.002 | t | 106822 | SDPAHKA RLERP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 100291 | LSTEEKEFL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 77781 | GLVGRPKS KL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99122 | CESRCTKL EYDPRCV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79828 | FLGPKQLT FEGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 92477 | DQSLSSLQ FA | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 139892 | SKLPLAL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.008 | 0.01 | 0.01 | t | 95744 | QTLPPSVP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | -0.003 | 0.001 | t | 51847 | QPGVDIIE GPVKNVA VPLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.007 | 0 | 0 | t | 110810 | DNASLARL DLERKVES LQEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.02 | t | 23587 | HCDGFQNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 141074 | RHLEFEAR TLSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60333 | SPWAPTA PLPGDMN P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.003 | 0.01 | 0.012 | t | 56768 | SAEYEKSK VNKYLKTI MPF | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.047 | -0.043 | t | 124008 | DGVVLVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.031 | -0.027 | -0.031 | t | 99405 | KVMIGKPK AQNIRQG | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 142427 | KAEKDAEA AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144742 | PFYGYRE | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150858 | ISSLYNLVK SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141786 | YGEESRRR GDLAALAR RV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138194 | IIPKSSWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134860 | AGPKAQV EAIQKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 142913 | MVLNEGT SGTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141523 | ALEPPHNL PVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150204 | FHSVVHTL LEWLMEK ELMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125004 | DAPDTDW CDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125021 | DWC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122292 | CTYILDPEK LTLRPYK A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122291 | CTYILDPEK LTLRATYD N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124069 | ELQIAKDE RYGS | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|----------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125608 | YYKKHIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122083 | DPNIKLVLD DCWATS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122202 | TSPPLLWDS VHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125454 | KDYKTMVK FCN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122083 | DPNIKLVLD DCWATS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124232 | GSITRDSIF RLR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123849 | WQDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124713 | SGEQPSDE QPSGEHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122094 | FLALDVPTI GLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 103998 | IVKWDRDM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102510 | HHQKLVEF AEDVGSNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107233 | RSFTLASSET G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105207 | GAIIGLMV GGVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112352 | TGNKYPGP P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115630 | NFDKLYIW G | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112316 | SIKNPTNA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106322 | DAEFRHDS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108600 | QLINTNGS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106322 | DAEFRHDS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115652 | SSRISIW TIVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78635 | EKIERNNK LKQPPPP NPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71284 | VTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67875 | VCRQGVV DRGWGN GCGLFGK | Equus caballus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78627 | DPDPPDA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68524 | VFMVPQY GYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65421 | TNSGINNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67214 | TVWRNRE TLMEFEEP HATKQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78687 | IRVRKRKG SNKKAEDT LED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61801 | STNSGINN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72485 | WGNGCGL FGKGSIDT CAKFA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74008 | YGGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71284 | VTEEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74009 | YGGPANK KNAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45420 | NPNDPP | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53447 | REACR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39689 | LSSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46008 | NSTNSGIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59967 | SNYYSDNE IEQHTAKQ PKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45416 | NPNANPN ANPNANP NENPNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43152 | NAGGNAG GNAGGNA GGNAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57644 | SETFTNKL KEKHTDLG KEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56699 | SAAFYYRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49450 | PSNQDSF QWQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57569 | SENHGNY SAQVGAS Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51775 | QNTRNIVP VSIVSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49450 | PSNQDSF QWQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51775 | QNTRNIVP VSIVSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48690 | PNPNPD | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45252 | NNSTNSGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40739 | LYDSYAYY G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45276 | NNVARCS YGADSTLG PV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48620 | PNDPPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30716 | KFDWNTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11463 | EDVNGIRK PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24369 | HNDKRAD PAFVCRQ GVVDRG | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19481 | GEYGEVTV DCEPRSGI DTNA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHD A | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31105 | KHFRETEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11814 | EENVEENV EENV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11815 | EENVEENV EENVEENV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15205 | FAKY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 27675 | INKRKYDSL KEKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32570 | KNNNSTNS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10801 | DWEDRYRE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHDA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31018 | KGNCSGPT TIR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 27463 | IMDINKRKY DSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 17135 | FNCLGMS NRDFLEGV SGATW | Equus caballus |

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|---|------|---|---|------|-------|-------|-------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1478 | AGDRAGD R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3242 | ANDPPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3044 | ALYTDEDL LFDLEKQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6402 | CHPSDGK CN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3274 | ANETIYNT TLKYGDV | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 135458 | FGSDYEDR YYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.075 | 0.069 | 0.07 | t | 135786 | VNSTEAET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135451 | CLGKAC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.029 | 0.03 | 0.03 | t | 133611 | IVSYLCDLA PEAPPPTL PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.052 | t | 27555 | IMSGEKPT VEDVVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.009 | 0.019 | 0.02 | t | 39251 | LRYGNVLD VN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.027 | 0.03 | 0.028 | t | 140996 | EEIDYDDTI SVEMKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.007 | 0.009 | t | 53894 | RGKDLPVL DQLTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 140596 | SLDELDW DSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123424 | LGDKFNM GL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123425 | LGEEYEEH L | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112308 | SFSGFSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 149430 | QPFLPQQ PYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.013 | -0.009 | t | 115256 | FRELKDLK GY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 140853 | GEYVQILD AHAAYLN ATPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.002 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | 0 | 0.001 | t | 42008 | MLMRTDP FRELD RFA EQVLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.011 | -0.007 | 0 | t | 98434 | RYMDQPS RD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 27598 | INCYTEGP CVPKPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.019 | t | 122179 | RQLGRGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 132430 | LGFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.027 | 0.032 | t | 50721 | QEVNLNENL LR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.009 | 0.01 | t | 56885 | SALTSAIA GFVFSC | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.053 | 0.039 | 0.039 | t | 138862 | KFPED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 131437 | GASVKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79223 | GASHTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.007 | 0.009 | t | 105746 | EETICTASF KKNIGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.031 | -0.03 | t | 25015 | HVAGAAA LILSKHPN | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.044 | 0.039 | 0.04 | t | 34920 | LAPTVAHG VFNPEFG | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 78073 | WWSPTM LTQSKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.007 | 0.002 | t | 433 | AASGPKVV IDGKDQN VTGSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123791 | TPVVGAV Q | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103457 | PAEFLENF VRSSNLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158597 | KWPIIDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135643 | CPFGFEGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117438 | AIVTKYITK GWKEVHE LYKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 49070 | PQPQQQF PQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 108555 | NKALTFFL P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.037 | -0.039 | -0.04 | t | 24696 | HRMAWN MMMMNW SPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.01 | t | 139866 | QGAFASPI QLQRRNG SKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 138608 | RVGAHDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 135650 | DKVSFFCK NKEKCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 135711 | LDETVKDK LAKEQKSK QNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 138304 | ATVQLPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 136420 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 131762 | YAASSYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 131878 | FLMLVGG STL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 131438 | GAVTVAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 118383 | GLKKMLRT CAVHITLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 117742 | AKAQTD EDLRTLLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 133372 | SPSPTPTP GPSRRG | Homo sapiens |

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|---|------|---|---|---|--------|---|-------|-------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 131365 | ATLVCLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 121112 | AACDPRH GRYLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 117907 | HKAFKGSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 133776 | AGDLSKVD AKQPGDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 122874 | PPARALKR SLWVEVD LLIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 125229 | RDSEGDV AEKLGPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 131344 | AIGDRSKT DRENSVSI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 132029 | QLGPTCLS SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 130987 | NPVENM MDRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 131978 | MLVGGST LCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 118105 | RKGHFLLS SKSGFWTI WL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 117333 | MVTSTITE KLLKNLVKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.004 | 0.001 | t | 108834 | CKPISGHN SLFWYRQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 106675 | NEEGFFSA RGHRPLDK K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 117300 | GSGKGKV QFQGKKT KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 117246 | VTWEVLE GEVEKEAL KKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 63098 | TCRRMLAF LKDKENR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 32159 | KLSEGDLL AEIETDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.04 | 0.042 | t | 141748 | SLLTEVETP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.032 | 0.04 | 0.042 | t | 141748 | SLLTEVETP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 118733 | ADVPLVVE YKIADMG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.023 | t | 157808 | QQDRHQK IRHFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 52814 | QVVYDYQ H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.056 | -0.059 | -0.06 | t | 36304 | LGRLIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.021 | t | 134250 | TYNYNVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.049 | 0.049 | t | 13984 | ERESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.034 | 0.04 | 0.041 | t | 13524 | ENMTPQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.019 | t | 56995 | SASPIPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.02 | t | 16087 | FGYRKPLD NIKDNVGK MEDY | Aotus nancyma ae |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.042 | -0.033 | -0.032 | t | 89067 | SRTRTTSV GDKQVAS KV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 3514 | APDTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.033 | -0.03 | -0.03 | t | 97443 | LFILTRDG M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.038 | t | 118563 | PVTTPEEIA QVAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.049 | -0.04 | -0.04 | t | 93546 | PDMAEEIA ALVLAKLG KDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 133551 | EAPPPTLP PDMAQVT VGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 104225 | RPAVIPDR EVLYQEFD EMEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 140458 | EHNDFPM YTWRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.025 | -0.03 | -0.03 | t | 44015 | NGKKKNW KKIM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 132608 | RKAGICFG DSGGPLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 135576 | LRYSTGTV SG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 71862 | VVTVRAER PGVDPDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.058 | -0.05 | -0.048 | t | 20638 | GKMVQVV Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 157091 | ANIKGVPT RAET | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.038 | 0.047 | 0.052 | t | 70355 | VPLGTQYT DA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0.001 | -0.002 | t | 99636 | RQWIEA MSEGIKVM | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | -0.001 | t | 133697 | SITTANPSS FNKY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111172 | CTHPEILFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.003 | -0.001 | t | 6623 | CLSATCDC TLCGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.028 | 0.02 | 0.018 | t | 23049 | GVLSVVAAGNE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 56687 | RYYRENM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7000 | CSGFVGLF SPGPSQRI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.02 | 0.019 | t | 122512 | PEPAKSAP APKKGSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.018 | t | 922 | AEGEFDYA WDQTHQ DPAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.017 | 0.013 | t | 118776 | EADYFEYH QEGGPDG EPDVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 71848 | VVTGATVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.013 | -0.011 | t | 78341 | AALTAENT AIKKNAD AKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 32907 | KPTPEGDL EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22562 | GSVNSFFSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22562 | GSVNSFFSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22562 | GSVNSFFSR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 10812 | DWICEVLS DFKTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.009 | 0.01 | t | 20722 | GKVTNGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 31064 | KGSSIAAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.032 | t | 1476 | AGDQSYFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.003 | -0.01 | -0.012 | t | 130622 | TGLVAQG TDSIG | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.031 | -0.033 | -0.03 | t | 36659 | LIPLLRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.033 | -0.03 | t | 36659 | LIPLLRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.007 | 0.01 | 0.01 | t | 7846 | DDPLLGN Q | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.021 | t | 107517 | LSTNEVA M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.029 | 0.026 | t | 97596 | QTPLTMA ALELL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.029 | 0.026 | t | 97596 | QTPLTMA ALELL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.027 | -0.029 | -0.03 | t | 26600 | IIMYAPTL WARMIL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.003 | -0.002 | t | 6238 | CFLLFSGCF ALREQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.024 | -0.006 | 0.007 | 0.01 | t | 21373 | GNAEKYD KMDEPQH YGKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.056 | 0.054 | 0.05 | t | 45965 | NSRSTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.007 | 0.013 | 0.01 | t | 8834 | DKAAEAIL NELKKASK KVGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0.006 | 0 | t | 26801 | IKGVIVHRL EGVSYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.019 | -0.023 | t | 79575 | IPKARRPE GRTWAQP GY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.023 | 0.022 | t | 23354 | GYHGSSLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 137391 | DTHKRDTY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.003 | 0.001 | 0.002 | t | 64697 | TKVTLDGR PL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 61124 | SSIVYEAA DMIMHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.033 | 0.03 | t | 18527 | GAASSYFE YVDYTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.056 | 0.05 | 0.05 | t | 53194 | RARGIYET ETRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123872 | YLKELPTTL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115465 | RCEKDERF FSDKIAKYI PIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135755 | SALVLQYL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137733 | DTALTIQA LKL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140586 | PWQLPLN FQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140586 | PWQLPLN FQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121778 | RDDPQLFA EAYAFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121778 | RDDPQLFA EAYAFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 109700 | PLGPKGQT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0.002 | t | 138238 | SMLDTPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135720 | MKGKYG IY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 98958 | QILQQILQ QQLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.011 | -0.01 | -0.012 | t | 45646 | NQYGRIRV LQRFNQR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.022 | -0.017 | -0.023 | t | 64876 | TLKKGSSG YCAWPAC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.023 | 0.029 | t | 122167 | PPPITQGE CKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.008 | -0.005 | t | 23179 | GVTSAPDT RPAGSTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.01 | t | 97445 | LGNATALS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | -0.002 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137448 | SHKLHKV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132814 | FGENRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 72505 | WGQGGSHSQW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.007 | -0.008 | t | 43317 | NATAEGR AINRRVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | -0.001 | t | 57523 | SELLISTAV Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 144705 | KGTHSLYS QIAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21990 | GRAIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 97020 | TVTRGTIS DP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 97020 | TVTRGTIS DP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.03 | t | 133661 | NYSPLHNS DITV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.011 | -0.01 | t | 52476 | QTASGLVS MF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.014 | 0.036 | 0.039 | t | 136062 | FGISETQA EAILE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.034 | -0.038 | t | 53682 | RFAPALPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.012 | t | 134702 | KEKKYS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.013 | 0.009 | t | 23690 | HEHHGVY NQGRGID SGERLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.013 | 0.009 | t | 23690 | HEHHGVY NQGRGID SGERLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106965 | VKGEEKEP SK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.013 | -0.01 | t | 122197 | TDVVFNSK GIGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.013 | 0.017 | t | 108607 | RGAQGPP GATGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 122101 | GKGAGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153458 | SELSPAML HFMFGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 105232 | GSNKGAI GLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 105232 | GSNKGAI GLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.009 | -0.01 | t | 56804 | SAGRSTGS LVRLFAPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.071 | 0.067 | 0.07 | 0.071 | t | 19405 | GEQQEAIK SAENATKV EDIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 124601 | QGPGLTD WLFPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 9399 | DMRNTIM ASK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.03 | 0.03 | 0.03 | t | 123520 | MSEKFNM GL | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.033 | 0.036 | t | 140665 | DTAAQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.036 | -0.03 | t | 49368 | PSFSDIPNPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.037 | 0.03 | t | 123760 | SSYAKVSICLPMDTETPLAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.056 | -0.057 | -0.05 | -0.05 | t | 123035 | APRIMHHM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.006 | -0.001 | -0.001 | t | 105901 | KGTAPFEI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 119451 | FRKTSISGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.009 | t | 25149 | HYAPRPCGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.02 | t | 57638 | SESVEFTKDTQTGMSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 106375 | EDHAGTYGLGDRK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.045 | 0.043 | 0.047 | 0.05 | t | 96229 | EGQLGD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 149298 | ELDKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.019 | 0.02 | t | 100120 | HQKLVFFAED | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135572 | LLCEDGCLAL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135572 | LLCEDGCLAL | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97564 | PTDAGVAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 49533 | PSTPGDNP LV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 49068 | PQPQQPF CQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.02 | 0.02 | t | 86153 | MANTGAMELV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.01 | -0.01 | t | 95003 | CTKPSDGN C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.01 | -0.01 | t | 95003 | CTKPSDGN C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.001 | 0.001 | 0 | t | 13064 | ELGAFFSIL QDMR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.04 | -0.027 | -0.03 | t | 55987 | RSVHDVVL VGGSTRIP KVQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.04 | -0.027 | -0.03 | t | 55987 | RSVHDVVL VGGSTRIP KVQS | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.016 | 0.02 | 0.02 | t | 140761 | TYRVDVD GYRND | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.016 | 0.02 | 0.02 | t | 140761 | TYRVDVD GYRND | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 60991 | SSFFSYGEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.013 | 0.01 | t | 22658 | GTGGTAS MSYKFPPV PPENL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 56958 | SAQSGTSG TSAQSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.021 | 0.02 | t | 74201 | YIEQGMQ LAEQFKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.002 | 0.003 | 0 | t | 29005 | ITNDQKKL MS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.011 | 0.007 | 0.002 | t | 122209 | VQKDVLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 141760 | TAPPLLPH | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 141760 | TAPPLLPH | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.032 | t | 136057 | DISAFAD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.03 | -0.02 | -0.019 | t | 132875 | NCTKDFM SVSFSQIL | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.048 | -0.043 | -0.04 | t | 12531 | EINHVQD HALPKENI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.021 | t | 122194 | STVQDCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.02 | -0.018 | t | 136441 | KRQKRF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.028 | 0.036 | 0.041 | t | 117773 | CNSRQTD REDELI | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.011 | -0.01 | t | 83781 | INPWDSKS DYLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34709 | LADALLEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.04 | -0.043 | -0.049 | t | 122136 | LGRGGSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.03 | 0.02 | 0.019 | 0.02 | t | 65930 | TQSCNCSI YP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79932 | MKPYEVT PTRM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.003 | 0.01 | t | 55293 | RPQDVKFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.008 | -0.013 | t | 149256 | ALDKWQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7001 | CSGFVSL APGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 105835 | GLKGEQG EPGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.021 | 0.017 | 0.02 | t | 57506 | SEKSKCEE NTMFQPY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 156339 | KDDPTNKF YQSUIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 133954 | WIKENF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130805 | ELNPEPDT EVFPMTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130805 | ELNPEPDT EVFPMTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130805 | ELNPEPDT EVFPMTF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135762 | SYVTPICI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.04 | t | 107859 | GHRPLDKK REEAPSLR PA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.013 | -0.012 | t | 41056 | MAKLVLSL CFLLFSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.009 | 0.011 | 0.009 | t | 7092 | CSTKAIGR TILKENIKY EVA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.013 | t | 19504 | GFCDGYCK THLKASS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.027 | -0.023 | t | 115630 | NFDKLYIW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.003 | 0 | -0.003 | t | 111120 | ARMRLYD PNQAALQ A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 73092 | WSPQAQG ILTTV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 29937 | KARRPEGR TWAQPGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.01 | t | 57679 | SEVYCPRP DRCLRAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 158418 | VEGERVET T | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 110618 | GPVGPAG GPGFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 117625 | REAVAGR GRGRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.05 | -0.037 | -0.028 | t | 44556 | NKNDNKN DNKND | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.05 | -0.037 | -0.028 | t | 44556 | NKNDNKN DNKND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 108262 | AENGPRLL VEAEQAK VFS | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.009 | 0.01 | t | 78752 | NKGKWKE HIKEVTEKL KKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.009 | 0.01 | t | 78752 | NKGKWKE HIKEVTEKL KKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.019 | -0.01 | -0.008 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 142415 | EVAKAEVL NAEVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135464 | GLAPGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.009 | t | 58458 | SICGNNQL CKSICKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 15510 | FEDVNGIR KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 15510 | FEDVNGIR KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.02 | t | 70025 | VMTRSSH QSLVIKLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 79603 | LLTTDEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 98842 | KDLAFPGS GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103348 | LGDVGEAF VDSLTSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119583 | GNVFSCSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 51084 | QIISQQPF PL | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 51084 | QIISQQPF PL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 57631 | SESTEDQA MEDIKQM EAESI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | -0.001 | t | 146417 | LELDKWAS L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.021 | 0.017 | 0.017 | t | 55785 | RRYQKSTE L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 19927 | GGMPGG MPGGMP G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 24284 | HLPYIEQG MMLAEQF K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 24284 | HLPYIEQG MMLAEQF K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.003 | 0 | t | 78643 | EQGMQLA EQFKQKAL GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.022 | 0.02 | t | 44232 | NIGGEGN HNESPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 123287 | HDSPSVRK TH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 3507 | APDKEILYE AFDEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.018 | t | 135458 | FGSDYEDR YYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 144781 | SGVLLQYY GM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.053 | -0.058 | t | 145639 | WTPGVKR NGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.011 | -0.001 | 0 | t | 95094 | IGFRGLDG VHCTPTTD SGVI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.037 | -0.03 | -0.028 | t | 100318 | NAPKTFQF IN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.003 | t | 71143 | VSSYHSKP CNPAQPV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.003 | t | 48779 | PPFSLSPV PTLGSRSR R | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 68631 | VGATPERP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 124736 | SPWSIGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.008 | t | 136054 | APAPTP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.032 | -0.027 | -0.021 | t | 144604 | CYAIRN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.007 | 0.009 | t | 106336 | DHFADGY DEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.013 | 0.02 | 0.02 | t | 53633 | RESNGETK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 53633 | RESNGETK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.03 | t | 117432 | AARGRGR GMGRGNIF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.037 | 0.04 | t | 139029 | DLQVLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 35127 | LDDSYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141052 | LRDIFAWEP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115403 | NQELAYFY PELFRQFY QLDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109189 | GPLGPKGQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.033 | -0.019 | -0.018 | t | 137946 | PGYYRLTLI ANG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.023 | -0.02 | t | 55577 | RRGPRLGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.033 | 0.028 | t | 107799 | DSGHRGY SGSQASD NEGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.007 | 0 | -0.001 | t | 55106 | RPADKTRH KFPTNINK Q | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 91100 | AFQTPVHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 98858 | LACQCLVR TP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 98938 | PQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.033 | -0.032 | -0.03 | t | 98840 | KALPMHIR LS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3516 | APDTRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.018 | t | 36890 | LKIKIASGF GPLITH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 52082 | QQPFP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.003 | t | 22305 | GSDYEDRY YRENMHR YPNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0.004 | 0 | t | 39732 | LSVDLSLTV ELKIKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.033 | 0.039 | t | 122167 | PPPITQGE CKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.006 | t | 135896 | APHLTRAY AKDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156874 | GHFPPTPI KTLA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.018 | t | 44793 | NLLRFFVA PF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0.002 | t | 133724 | TVCAGYC MTRDVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.071 | -0.063 | -0.07 | t | 127963 | EPKPKKAP AKKGEKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.041 | 0.04 | t | 49147 | PQVNLVD T | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.001 | t | 10801 | DWEDRY RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.002 | 0.01 | 0.011 | t | 60827 | SRVKNLNS SEGVPDLL V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.005 | -0.012 | t | 138841 | EASPQAW WDESQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 32109 | KLQKTYSQ YKVQYDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.042 | 0.04 | t | 13986 | EREVSVPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 122799 | IKYIAEQLE S | Rattus norvegic us |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149041 | FLHTRLFV SDWYNTP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123128 | EGAAMDLM RM | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 109027 | GAPGPAGE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103246 | GYIPILGAP WLADLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115931 | QTPVVVPP FL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99267 | GEPDLSNN FGKLFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | -0.003 | -0.003 | t | 115404 | NQEQPIRC EKDERFFS DKIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.016 | 0.02 | 0.021 | t | 153286 | QKLVFFAE DVGSNKG A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.011 | t | 57630 | SESTEDQA MEDIKQMEAE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 133536 | CKPVENRAC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.003 | 0.007 | 0.013 | t | 130553 | MDPNCSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.003 | 0.01 | 0.008 | t | 45003 | NMLYKDD FVGALIFSGAVI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.003 | 0.01 | 0.008 | t | 45003 | NMLYKDD FVGALIFSGAVI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.003 | 0.01 | 0.008 | t | 45003 | NMLYKDD FVGALIFSGAVI | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.021 | t | 76185 | YTTGGAQS HTLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 153381 | ETPLTIAGL KLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.02 | -0.02 | t | 117295 | GITKPAIRR LARRGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 27554 | IMSGEKPS MEDVVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | 0.003 | 0.002 | t | 1385 | AFRELADA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.009 | -0.009 | t | 49748 | PTPSAPAR GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.04 | 0.033 | 0.03 | t | 60649 | SREQLNKL FGIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.061 | t | 105701 | CVVGCGG GV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.007 | 0.001 | t | 124008 | DGVVLVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 132687 | STQTAGP WHLGKLEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.033 | -0.02 | -0.019 | t | 69323 | VKTIGDKR TLTLNTTA NYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | -0.001 | t | 66683 | TTKQRQN KPPNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.019 | 0.02 | t | 80395 | ALYASVAV QQQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.022 | t | 133531 | CDTLKPGE C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 145831 | IPLGTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66938 | TVAGCALP PPKKTP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.016 | 0.01 | t | 71055 | VSNAPPV ASPSILKPG ASAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.001 | 0.01 | t | 119508 | QFIGYPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.02 | -0.022 | t | 9595 | DPALLLM HELIHVLH GLYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.054 | t | 137866 | GDTRPRFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.009 | -0.013 | -0.01 | t | 36576 | LIKIFQDHP L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.013 | -0.01 | t | 36576 | LIKIFQDHP L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.019 | 0.02 | t | 78875 | VLHSDYCI VPNKGGT SIGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.007 | 0 | t | 110868 | GNVSPGT RREYHTEK LVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.007 | 0 | t | 110868 | GNVSPGT RREYHTEK LVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 112396 | WASTRES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140585 | PWNTFAT NA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140585 | PWNTFAT NA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 122458 | LEPETGKD MSPYEAYK RGII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 92346 | APTSMLD QSL | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151070 | WTLVEPG DKITFEAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.013 | 0.01 | t | 31152 | KHSEWLN KARGIESW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.033 | -0.04 | t | 117519 | GRGTVAA AAAAAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.021 | 0.019 | t | 103544 | RGEHRDE HTQDAGD K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.032 | t | 117363 | RPDAEYW NSQKDLLE QKRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 30421 | KEGYLVDK NT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.03 | 0.03 | 0.03 | t | 48771 | PPETTTIP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.04 | 0.04 | 0.04 | t | 123395 | KSQETPAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.072 | 0.063 | 0.062 | t | 40254 | LVAEEDER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.013 | 0.007 | 0.01 | t | 71140 | VSSSLAPCI P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.01 | t | 149439 | QQQPLSQ VSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.009 | -0.01 | t | 120904 | RALKRRNA RTKAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.021 | -0.02 | t | 49883 | PVIGSQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.001 | t | 107214 | MVGGVV | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | -0.001 | t | 119322 | QRFVKEKV DTKAPEPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.011 | 0.01 | t | 53905 | RGLAQALI DQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.011 | 0.01 | t | 53905 | RGLAQALI DQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115605 | GDEVELPC RISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115605 | GDEVELPC RISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79649 | SPSAPTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115653 | SSYAGQFR VIGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115653 | SSYAGQFR VIGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103693 | VFGGAAS CAAPIQAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 82034 | FFVQYGG AYKRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 78558 | VSIFPPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.007 | 0.011 | 0.011 | t | 17129 | FNASDSVG QQIKVIPV DPYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.023 | -0.02 | t | 24749 | HSYHKKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.006 | 0.01 | 0.01 | t | 4074 | AQSTMKA EELTPGR | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.017 | 0.011 | t | 135547 | DWEYSVW SLN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 110596 | GIAGFKGD QGPKG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.076 | -0.08 | -0.073 | -0.081 | t | 134147 | LPKGVKHL KDFPILPGE IFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 60594 | SQWNKPS K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 57770 | SFFVKDW SER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 109252 | GSLPQKSQ RSQDENP V | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 109252 | GSLPQKSQ RSQDENP V | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.03 | t | 159026 | NLAHSDL SYWIESRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.034 | 0.03 | 0.03 | t | 122857 | MGCSSPP CECHQEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 17843 | FSSIPNGT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73661 | YEGFSYGV TNKAKGIT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.02 | t | 108212 | WPPSFWY HPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.013 | -0.02 | t | 108212 | WPPSFWY HPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.046 | 0.05 | t | 135990 | SASVPALT AVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.043 | 0.04 | 0.038 | t | 58914 | SKPFATDS GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0.003 | 0 | t | 7868 | DDSEPVLK GVKLHYT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.023 | 0.019 | t | 159043 | NTFVVDG PETKECPT Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.02 | -0.03 | -0.032 | t | 68757 | VGPKASKK | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 25975 | IESPPEINT VQVTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153257 | FNPKNKT WPDANKV G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108074 | PQVYTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108074 | PQVYTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 127778 | PSEFEADL MLGP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.007 | -0.01 | t | 95749 | QVYNKLG MYPPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 63037 | TAVSPTTL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117437 | AIALREYRK KMDIPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 50172 | PYSPSQDP YSPSQDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | -0.002 | t | 916 | AEGDDPA KAAFDSLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 117112 | WPMNDD STRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.026 | -0.021 | -0.018 | t | 12900 | EKVSRRSN FEF | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.017 | -0.02 | t | 14487 | ETMTPSGL VIPENAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.009 | 0.01 | t | 83781 | INPWDSKS DYLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.009 | 0.01 | t | 83781 | INPWDSKS DYLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.019 | 0.019 | 0.018 | t | 59853 | SNKEGVA ADGDALN K | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.019 | 0.02 | t | 28350 | IRNVPHPF VALGLKQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.028 | -0.03 | t | 116927 | AVCRTSM CSIQSAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.02 | t | 108164 | TLVCLATG FFPDHVEL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.017 | 0.017 | t | 106512 | HILRWGN ESE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.036 | 0.031 | 0.031 | t | 69517 | VLGSQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.021 | 0.019 | t | 131194 | ALGAQKE AISPPDAA SAAP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.02 | t | 52139 | QQQTAPK APTE | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103245 | GVYKVCK GLEKIPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79179 | DCFNSKN WEHAQCT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123859 | YEALDCIRY | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.009 | -0.011 | t | 75286 | YPFMWG GAYCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.009 | -0.011 | t | 75286 | YPFMWG GAYCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137450 | SHRLPLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.022 | 0.027 | 0.03 | t | 47020 | PCEQHLM QKIQRDED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 55825 | RSELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 32415 | KMVQVVY D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.033 | 0.039 | 0.04 | t | 84644 | KQLLTIEG AYARTRTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.026 | 0.03 | 0.032 | t | 48900 | PPQWKLP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.023 | 0.02 | 0.02 | t | 97313 | FSMGAKP T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.021 | -0.007 | -0.01 | t | 70261 | VPCSTCEG NLACLSLC Q | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36425 | LHSTSPEG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 132668 | SNYRAYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.022 | t | 41177 | MAYRFNG IGVTQNVL YE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.003 | -0.001 | t | 52082 | QQPFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 49656 | PTIAGA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.028 | 0.04 | 0.042 | t | 43215 | NALTQPV DQLLK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50535 | QDVVVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.023 | -0.02 | -0.02 | t | 7193 | CTPPALNC YWPLNDY GF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 138189 | HILGSTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.016 | -0.016 | t | 70792 | VRNSWDT NWGDNG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 106770 | RER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137923 | LMDAAVD VFADG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133953 | WIINNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123859 | YEALDCIRY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 124284 | HPLPPAAT F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125515 | PDLTKVYS TDIFFILEIT DN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114885 | LCAYSIEFG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.02 | t | 131867 | EPSPESIRR KMEIDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 10803 | DWEDRYR RENMYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | -0.001 | 0.002 | t | 99763 | VLGYTDRI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 69178 | VKAETRLN PDLQPTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.004 | 0.01 | 0.01 | t | 32416 | KMVQVVY DYQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 12280 | EGSNTNSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.014 | 0.018 | t | 53409 | RDPYSPSQ DPYSPSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 122895 | RWLPPVY EDGFS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.001 | t | 51370 | QLINSNGS WHIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135496 | RYPNQVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.02 | 0.02 | 0.02 | t | 123779 | TMELMLS M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 124925 | YYVFEEQ EDEIIGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 56718 | SAAYATSS FSSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 100634 | VTNSKKFI DI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.06 | -0.06 | -0.061 | t | 136058 | DKATV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 19737 | GGGAGAG GAGAGGG GR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.031 | -0.03 | t | 25015 | HVAGAAA LILSKHPN | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.051 | -0.05 | -0.052 | t | 94741 | WEQWW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.03 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.03 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115906 | PVEPFTE QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149077 | NATQERY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 113879 | SQRSQDE N | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 113628 | LRLIHYSYD VN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102510 | HHQKLVFF AEDVGSN K | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 102510 | HHQKLVFF AEDVGSN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117085 | SQMPEYLL KADN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97920 | AYTPAYYT KN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 97920 | AYTPAYYT KN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97920 | AYTPAYYT KN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 97371 | GVAFPLPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 107570 | PSVFLFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 108897 | EIDGPAGQ AEP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.007 | t | 107422 | GQIPLRFN GEVKNP SVV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.009 | 0 | 0.001 | t | 78627 | DPDPPDA NDPAPP NAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132927 | WGANVPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.009 | t | 107774 | DAGPQGK VGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.027 | 0.031 | 0.028 | t | 73171 | WTWETKG DLAEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.006 | -0.01 | t | 122471 | LLTEHRMT WDPAQPP RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.006 | -0.01 | t | 122471 | LLTEHRMT WDPAQPP RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.004 | -0.011 | -0.012 | t | 6469 | CKALQEQC RFPN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.003 | -0.006 | -0.01 | t | 130622 | TGLVAQG TDSIG | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108651 | TGPSTRGR QGSRHE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108651 | TGPSTRGR QGSRHE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.002 | 0.01 | 0.01 | t | 12415 | EIDGPAGQ AEPDRAH YNIVT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.02 | t | 57637 | SESVEFTK DTQTGMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.019 | -0.02 | t | 149519 | VRVPVPQL QL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.047 | 0.06 | 0.063 | t | 57716 | SEYSSQPS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.045 | -0.045 | -0.042 | -0.048 | t | 144190 | ADGLAVIG VLMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.045 | -0.042 | -0.048 | t | 144190 | ADGLAVIG VLMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51146 | QIVGGVYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140607 | TMYQAIT QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140607 | TMYQAIT QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 120146 | QGARVYA YVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 100153 | INDQIKFII N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 77801 | SVKKCLFE KC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115554 | VVVPPFLQ PEVMGVS KVKEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80130 | AAGLIMTA EP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22123 | GRLGTYRY VSSGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0.003 | 0 | t | 78139 | EGPRAG | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.018 | t | 123346 | KDYYQKW MEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.01 | t | 78687 | IRVRKRKG SNKKAEDT LED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 78687 | IRVRKRKG SNKKAEDT LED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 132377 | IERRQQEV ET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.004 | 0 | 0 | t | 94825 | GGQFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.059 | 0.063 | 0.062 | t | 70720 | VRFQEAA NKQKQEL D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.028 | -0.021 | -0.019 | t | 66902 | TTVQQQF SEVWKPPF QSTVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.03 | -0.04 | t | 26849 | IKMVSSLK TKIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 16057 | FGSKLELV KK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.02 | t | 16057 | FGSKLELV KK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.032 | t | 134701 | KEIRKLQKS THLLIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.012 | t | 46488 | NVSVSPSP STPLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.02 | 0.03 | 0.03 | t | 139214 | QTKLNLTA EIDQLEQR ADNL | Felis catus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.039 | 0.041 | t | 156601 | ADEPNNL NSK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 20012 | GGSGGSV ASGGSVAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 126903 | QVINVREG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | -0.008 | t | 106862 | SPEFRRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 30472 | KEKLQERL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.044 | 0.039 | t | 134051 | FPFSGETV FMSMENP GLWIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.03 | 0.03 | 0.03 | t | 123491 | MGLDLPN LP | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.025 | -0.009 | -0.008 | t | 32862 | KPRDTLPP PLNRPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.02 | t | 106380 | EFFRHNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.022 | t | 33161 | KRIPLDVA EG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 36071 | LGDDTGIH VI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 70038 | VMYASSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 70038 | VMYASSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.027 | -0.02 | -0.018 | t | 113183 | SYGAPATP AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.002 | t | 29810 | KAGNEGLE WVEL | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 136554 | PLDLPQIIE R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 136573 | QLEKALDC QIYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | -0.001 | -0.001 | t | 63217 | TDQMEVD SGPRKRPL RGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 61124 | SSIVYEAA DMIMHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 60663 | SRGAPGG GFVPSLQG VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | -0.001 | -0.001 | t | 60663 | SRGAPGG GFVPSLQG VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 38345 | LNTEPSQL PPTAPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 48779 | PPFSLSPV PTLGSRSR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 56614 | RYPHYSLIK PESSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 58077 | SGHRMA WDMMM NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 50977 | QGVPESPF SRTGEGLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 56962 | SARDGIRD AMIGLREE MIEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 46859 | PALTAVET GATNPL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | -0.001 | -0.001 | t | 29852 | KALENKKK QLSAGGK NLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 29852 | KALENKKK QLSAGGK NLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | -0.001 | -0.001 | t | 19269 | GEGAPPA KRARTDQ ME | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 6429 | CILRQLRHL PSRVRYPH YS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.063 | -0.05 | -0.05 | t | 18536 | GACAPYRR LHLCD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 43190 | NAKATYEA ALKQYEAD L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 45695 | NRLGGLFN FGPKQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.019 | -0.009 | -0.01 | -0.01 | t | 109030 | GAQGPRG E | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | -0.003 | -0.002 | t | 45550 | NQFLPYPY YAKPAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.046 | 0.047 | 0.04 | t | 2039 | AINPESDQ PDLSNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.043 | -0.04 | t | 5109 | ATPYHPPA TP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 103260 | HRSDGSG DTFLFTQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 114555 | QSENDHR RSIVRVEG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133786 | CMTSPWRC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99042 | VLQQSTYQLLQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47650 | PGFMFSRPSDPAFAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47650 | PGFMFSRPSDPAFAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132691 | TCSADGRTLFLYNLCL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99752 | VEYTKY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99436 | LPHFNSKAMVIVVVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 97919 | AYTPAYYTKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97919 | AYTPAYYTKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.033 | -0.033 | -0.042 | t | 127671 | GPDRSPRQPPVLPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 137741 | DTPLTHAALLTLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.018 | -0.022 | t | 52121 | QQQPFPQQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.022 | -0.02 | -0.021 | t | 61589 | STEQNVDPQVG | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.011 | 0.01 | t | 68541 | VFPDLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 67059 | TVLAQALVRE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.045 | -0.04 | -0.038 | t | 51799 | QPDLIPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.038 | t | 51799 | QPDLIPL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | 0 | t | 97018 | TVTFKATA AT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 50929 | QGPGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.002 | -0.003 | t | 142472 | SATAAETA KNNAVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.011 | t | 72889 | WNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.013 | 0 | 0 | t | 106009 | PRGVTHD Q | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.023 | t | 126068 | FVFEEF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | 0.003 | 0 | t | 50027 | PWFLAHH TGGD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.002 | 0 | t | 110460 | YEQLNDSS EEDEIDG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 18172 | FVGAGIAG AAVGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.001 | 0 | t | 43084 | MYRVFEVS VIRNPGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | 0.007 | 0.002 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133623 | KPGEMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133623 | KPGEMR | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133623 | KPGEMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133623 | KPGEMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 72890 | WNKP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132793 | DLQEAKYE TFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.027 | 0.03 | 0.03 | t | 97536 | NVTTNQTI Q | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.008 | -0.01 | -0.012 | t | 57184 | SDEV RKHT YNLTIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.007 | t | 144671 | GREGYPA DGGYCNT ECTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 156862 | DVG DPLR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.044 | 0.054 | 0.06 | t | 142217 | LDASREAK KQLEAEQ QKLEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10800 | DWED RYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.008 | t | 120984 | TESDIKRN HK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140834 | DAVKGYLA GKGV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.1 | 0.094 | 0.1 | 0.103 | t | 1157 | AESEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 142431 | KKAE EAKK IVDKI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 135947 | KTGHPRYF NQLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.01 | -0.012 | t | 156911 | LGMSTNP GPRIL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.033 | -0.039 | t | 144710 | KNPWPNV DAH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.009 | -0.011 | t | 103549 | RHGLSSLG WNLCRIF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123078 | DFPKLKEF K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103286 | ISMIDGPA PDGYPII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115874 | NQFLPPY YA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115935 | QYVLSRYP SY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135766 | TIYNNMFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 32890 | KPTDGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 72504 | WGQGG S H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 137759 | NQEDAEAI THLF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75441 | YPYDVPDY A | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 79775 | DDATVAIR SAINNLIVE LIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 64628 | TKNTNNN LTL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 75791 | YSLFQKEK MVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.017 | 0 | 0 | -0.001 | t | 55818 | RSDYKFYE DANGTRD HKKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36958 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51371 | QLINTNGS WHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 52929 | QYIKANSK FIGITE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36958 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.007 | 0 | 0.001 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 12625 | EKAFFREL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 66060 | TRLNPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 28911 | ITGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 125529 | PVEGPAVI CRCC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.04 | -0.027 | -0.02 | t | 141663 | GRSLEGVY VPPRRQQ L | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.019 | 0.03 | 0.03 | t | 114011 | VTTVTTHN NPTFTDPS VLQP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.021 | -0.021 | t | 97223 | AWNPSLL G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.02 | t | 34910 | LAPNTPRP PAQAPAK DMPSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 73614 | YEAADAIL HTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0.001 | -0.001 | 0 | t | 6139 | CDSSDRPR VYTIT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.018 | 0.031 | 0.032 | t | 1460 | AGCLIGAE HVDTSYEC D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | -0.001 | t | 71506 | VTSTLTSLF RPGASQKI QL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 61862 | STRGRQTV KENKGT | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | 0 | 0 | t | 63215 | TDPTGIEP DDHLKE | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | 0 | 0 | t | 64645 | TKPTDPTG IEPDDH | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 64645 | TKPTDPTG IEPDDH | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 66194 | TSFEDINGI RRPKH | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | 0 | 0 | t | 61192 | SSLRYGNV LDVNAI | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 63215 | TDPTGIEP DDHLKE | Myodes glareolus |

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|---|------|---|---|---|--------|--------|---|-------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 72183 | VYVIGFTLP IILKA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 41979 | MLKRNKIY FMQRQD | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 52660 | QTVSALED KLADYK | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 55007 | RNKIYFMQ RQDVLD | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 28144 | IQEDITRHE QQ LIV | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | 0 | 0 | t | 14751 | EVKPGTPA QEI EML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 11370 | EDKLADYK RRMADA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 11354 | EDINGIRR PKHLYV | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 26575 | IILKALYML STRGR | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 29578 | IYFMQRQ DVLDKNH | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 22178 | GRQTVKE NKGTRIR | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 30597 | KERSSLRY GNVLDV | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 22799 | GTRIRFKD DTSFED | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 26227 | IGFTLPILK ALYM | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 7885 | DDVNKNT LQARQQT | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 8804 | DITRHEQQ LIVARQ | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108075 | PREPQVY | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 76325 | YVKRVKT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.031 | 0.03 | t | 149516 | VPVPQLQL QN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 145272 | KDLLPSRD RQHLPLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.02 | 0.021 | t | 46443 | NVPEKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | 0.001 | 0 | t | 23249 | GWGNGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0.001 | t | 24012 | HHPSTNQ EQTSLYVQ AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149090 | NSTQGPV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132934 | WGQNTS M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112407 | YFCHQYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113467 | GQGQQPG QLQQPAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 38824 | LQDPRVR GL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 51827 | QPFPPQ LPYPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.008 | t | 46050 | NTAEYWG FK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.017 | t | 130816 | ESKAISDA QITASSYFT NM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 4220 | ARQKLKD AER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.008 | 0 | 0 | t | 4220 | ARQKLKD AER | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 58082 | SGIGPEKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 142427 | KA EKDAEA AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 29285 | IVGGVYLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.049 | -0.037 | -0.038 | t | 63098 | TCRRMLAF LKDKENR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 33365 | KSKFGYGA KDVRNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.018 | -0.02 | t | 136003 | TRKDINTV TTVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.046 | -0.03 | -0.03 | t | 16394 | FKKYNDKL PLYISNPN YKVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.046 | -0.03 | -0.03 | t | 16394 | FKKYNDKL PLYISNPN YKVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.05 | 0.053 | 0.051 | t | 117315 | KALSVETE KLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78141 | EKAEEVEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151019 | LCKLRGVA PL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | -0.001 | 0 | t | 90217 | VNKIAEPE ARLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.015 | 0.011 | 0.01 | t | 819 | AEAEGGT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42755 | MTDVIRYR YSNIYEAS DK | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 142381 | AAEFATEV KKAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 137733 | DTALTIQA LKL V | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117408 | YLQSASIFS K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.023 | -0.019 | t | 72249 | WAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 114847 | GTNISKEH DG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 72553 | WHTTIPPV FDEP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 41329 | MEECASQ LPYIEQGM QLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.034 | 0.03 | 0.028 | t | 95031 | NAYANEE ATKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 101079 | NKPVEPTY EV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 137811 | AVSLGQN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.037 | -0.019 | -0.016 | t | 20084 | GGVYLLPR RGPRLGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.023 | -0.039 | -0.049 | t | 134682 | GPSRRGPS LGASSHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.018 | t | 139881 | RGDKSRPP VWYVEGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.009 | 0.01 | 0.01 | t | 97902 | ATYEAALK QY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.045 | 0.051 | 0.052 | t | 15439 | FDPLVAEE DEREIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.032 | t | 117364 | RPDAEYW NSQKDLLE QRRAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 153415 | LPKFHKSP HFYR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.013 | -0.02 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.036 | 0.031 | 0.031 | t | 105904 | KLVFFAED V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 26046 | IFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 26046 | IFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.012 | 0.01 | 0.012 | t | 74045 | YGLLAVDP LFKP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 29696 | IYSYFPSVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149087 | NPTQSPP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 114818 | FCNAVVES NG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 43729 | NEREDERT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119516 | RKLAHPGT S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111966 | YKSNNIAR MRLYDPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 25452 | IATQEQPA FD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110585 | GAPGIAGA PGFPGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.021 | -0.01 | -0.008 | t | 111634 | PNNNKILV PKVSGLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.017 | 0.012 | t | 145235 | GTWICDFK SCSW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.007 | 0.01 | t | 9039 | DLDA SREAKKQ LEAEHQK | Mus muscu lus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 28299 | IRGDTF ATR | Mus muscu lus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7492 | DAEFRH DSGYEV HHQKL | Mus muscu lus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 103830 | CHAVK VGNPSC | Orycto lagus cunicu lus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0.001 | 0 | t | 5344 | AVGGY AISIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 108141 | SPSDAK SHVRVADLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.017 | -0.02 | t | 19737 | GGGAG AGAGAGG GR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.015 | -0.01 | -0.01 | t | 3383 | ANPPDH SAPLGVTRP SAPPL | Cavia porcellu lus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.019 | 0.017 | 0.01 | t | 112422 | YWASTRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0.004 | 0 | t | 63096 | TCRNMW SGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 125051 | FQSKAN CLNT | Mus muscu lus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 123063 | CPTMTR VLQGVLPALP Q | Mus muscu lus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123063 | CPTMTR VLQGVLPALP Q | Mus muscu lus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | -0.003 | t | 18363 | FWRGDL VDFQV | Mus muscu lus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.031 | -0.029 | -0.032 | t | 147074 | KRKQNLV QAWQAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 124925 | YYVFEEQ EDEIIGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 117018 | KIVMFWH EPVYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.02 | 0.02 | t | 122895 | RWLPPVY EDGFS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.011 | t | 103658 | TIYYQFKI PQILK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.011 | t | 27961 | IPNKKPGK KTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 115255 | FQINNKIW CK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.01 | 0.023 | 0.02 | t | 74004 | YGGIPGGI STPITQQS EK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.029 | -0.028 | t | 120810 | MVNKSR MMPAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115839 | KYPVEPFT ES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 112222 | LYSSDHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123455 | LPNLPYYID | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114529 | QETTLVRS SRSSER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112402 | WNDNKFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.003 | -0.003 | -0.012 | t | 127729 | LRWAERQ VGALGAES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123858 | YDPKFEQL K | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107026 | YQLPPKF WFISP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.019 | t | 40563 | LVRMKRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 149431 | QPFPPQQ PYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 6479 | CKGKIQAL CENPEWA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.031 | 0.03 | 0.03 | t | 22894 | GTYETGNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 49078 | PQQPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.033 | 0.033 | t | 105869 | IAGFKGEQ GPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.003 | -0.01 | t | 98784 | GAKGKAA LLRELSDV VPNLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.007 | t | 140567 | KEAWLDS TKAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 59377 | SLNWSDR TI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0 | 0.013 | 0.012 | t | 8217 | DEYCSPDH NCQSNCK DSGEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.01 | t | 55680 | RRPQDVK FPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30093 | KCTSDQDE QFIPKGCS K | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 49656 | PTIAGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 49656 | PTIAGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.056 | 0.05 | 0.05 | 0.05 | t | 123705 | RIEDLPKIK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.003 | t | 138304 | ATVQLPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.003 | t | 109917 | SHQESTRG RSRGRSGR SGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | 0.001 | -0.001 | t | 103170 | FGDVDAH GAMIRAQ A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 36428 | LHSTSSEG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.029 | t | 153265 | ILETLPANP PPASTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36956 | LKMADPN RFRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36956 | LKMADPN RFRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 51145 | QIVGGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 119658 | TYGIVLLSG V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.036 | 0.04 | t | 33842 | KTRNQMG VSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 136010 | VMIKSLPA LNSPTVEE C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.001 | -0.033 | -0.04 | t | 44174 | NHVRIPIG YWAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 118129 | SEEELKTHI SKG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.018 | 0.02 | 0.02 | t | 73450 | YASSGIGP EK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 73450 | YASSGIGP EK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141559 | SDEALPLG SPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118116 | RSGKPRGY AF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 55185 | RPKHPIKH QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.03 | 0.022 | 0.017 | t | 157463 | KKETLICS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.011 | -0.01 | t | 54736 | RLRLVDAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.061 | 0.061 | 0.061 | t | 59350 | SLNEEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.001 | 0 | 0 | t | 108632 | SKEENTPE VKA | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 108632 | SKEENTPE VKA | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 96209 | EDKDEDEE DE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 10024 | DRNMYLN T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141754 | SSSKTWG APLYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112389 | VPDRFTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 130924 | KLFPEEDE MRTETQR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.007 | 0.011 | 0.009 | t | 103493 | PPTPISVIF RSDKSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 95543 | LCPNNLCC SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 72548 | WHQTTPQ PYLPG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 129828 | RSGKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137882 | GQNVLSA D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.069 | 0.06 | 0.058 | t | 79851 | GVINE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.03 | -0.02 | -0.017 | t | 6762 | CPFIKPEVK PGTPA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.003 | 0.002 | t | 18508 | GAAILTPT PVNPSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.032 | 0.037 | 0.04 | t | 2816 | ALPKNTVG GTIL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.003 | -0.002 | t | 122269 | ARQNLKD AGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.029 | -0.02 | -0.018 | t | 54749 | RLRVTHQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.009 | t | 142291 | SHLQIYNL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103664 | TPPAPAPP PFRLPLL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-------------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.009 | 0.01 | 0.01 | t | 6456 | CITQYERES QAYYQRG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.033 | 0.033 | 0.03 | t | 14019 | ERLGDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.02 | -0.007 | -0.01 | t | 32677 | KPDLTGTS KSYVRSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.003 | 0.009 | 0.01 | t | 61337 | SSSDSQIT NPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 66629 | TTGYRFTN F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.026 | 0.021 | t | 108857 | DGQPGPA G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.01 | -0.007 | -0.01 | t | 156911 | LGMSTNP GPRIL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.033 | 0.03 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 130456 | CRPQVNN PKEWSCA AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.013 | -0.003 | 0 | t | 115090 | NLLRFFVA PFPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.026 | 0.027 | 0.03 | t | 49790 | PTTNTGEG TSSPVTPT YT | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.019 | 0.03 | 0.032 | t | 154 | AAGGSYSS GDLGKKG | Oncorhy nchus tshawyts cha |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.014 | 0.007 | 0.008 | t | 157230 | FDAEFLAD AFNV | Homo sapiens |

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|---|------|---|---|-------|-------|-------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 131935 | KPFSNSKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.025 | 0.03 | 0.03 | t | 10144 | DSILFVPTT VDPASFSD DNS | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.022 | t | 118681 | YAKDVKFG ADARA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.013 | 0.011 | t | 66474 | TSTVQVFT DSEYQLPY VLGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 153351 | ACTYSPRD MCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121736 | QCFLAITNI QLILPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121736 | QCFLAITNI QLILPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115895 | PPFLQPEV MG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79760 | ASSPDAHV PFCF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79345 | QCDSFVIS PPRTCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 138140 | ALLSKVTG PPMPD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 80178 | ADAPQGF YVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.021 | 0.017 | 0.017 | t | 24084 | HIPYKISAS TNCATVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 16018 | FGNDYED RYYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 122150 | MSKTLHA QLGFKKT | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 122150 | MSKTLHA QLGFKKT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.017 | -0.018 | t | 24080 | HIPAYATH V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.041 | t | 134216 | RNVELQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.043 | 0.051 | 0.054 | t | 137858 | FTPGTEYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.012 | t | 33858 | KTSERSQP RGRRQPIP KA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.057 | -0.043 | -0.049 | t | 105887 | ISRCQVCM KKRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 44569 | NKPNNDF HFEVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 44569 | NKPNNDF HFEVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57210 | SDGYPPNR QDPRFTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.05 | -0.05 | -0.051 | t | 122999 | AAMDLR MGF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 6020 | CAQQWPE WYPC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 6020 | CAQQWPE WYPC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 6020 | CAQQWPE WYPC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.01 | -0.007 | -0.011 | t | 130469 | DQPPTSrv PSLR | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122950 | YGHGSLEL LADVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110618 | GPVGPAG GPGFP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113778 | QQPGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 741 | ADPNRFR GKD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 741 | ADPNRFR GKD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 741 | ADPNRFR GKD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.035 | 0.04 | 0.04 | t | 94038 | TIYGNDGN DR | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 119492 | LRKKGYDP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.02 | t | 70810 | VRRDSAW DVRPLTET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 61800 | STNS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 115108 | SHGRTQD ENP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 146990 | GPGTIKKIS F | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.009 | 0.01 | t | 80699 | CITTIYKTG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.03 | 0.03 | t | 69699 | VLPPLLTD DMIAAYT AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.009 | -0.012 | t | 156664 | GGTHSQW NKPSKPKT NM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.007 | -0.007 | t | 141706 | MLEPFQIL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.023 | -0.023 | t | 113876 | SPQQSGQ GQPGYYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 127712 | KNWSTPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 114956 | SSYANTTS ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | 0.003 | 0.002 | t | 111634 | PNNNKILV PKVSGLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151032 | LYQNADTY VFVGSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104176 | PKPQRKTK RNTNRRP QDVKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 92470 | DLTFEKVK HN | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 97479 | LTAWNPSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 139895 | SLFASAQ | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | -0.006 | -0.002 | t | 60327 | SPVTKRAS LKIDSKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.012 | -0.001 | 0.001 | t | 10683 | DVNKSAQ L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 52600 | QTQQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 73660 | YEGFSWT GVTQNKA KGIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135445 | AKAAQFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.011 | 0.01 | t | 71437 | VTPDKEILY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.013 | 0.008 | t | 51327 | QLERANLR PCEQHLM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 8754 | DIPNPIGSE N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23191 | GVTYEIDL TNKNAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48597 | PNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.019 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.019 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.011 | -0.012 | t | 150982 | FEDINGIRR P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 64638 | TKPSDGNC T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 64638 | TKPSDGNC T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 69235 | VKIDNASP AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 69235 | VKIDNASP AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.022 | 0.013 | 0.01 | t | 48663 | PNKPNND FHFEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.022 | 0.013 | 0.01 | t | 48663 | PNKPNND FHFEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.011 | t | 56501 | RYAHPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.023 | -0.02 | -0.02 | t | 81798 | ERLRDLRR KEKSE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.023 | -0.02 | -0.02 | t | 81798 | ERLRDLRR KEKSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 119641 | SEHETRLV AKLFKDYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0 | t | 6478 | CKFTLVLT KCGSQVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.06 | -0.05 | -0.051 | t | 97117 | YIQMKRIA VG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.021 | -0.01 | -0.008 | t | 49757 | PTPVSEII TPTLQA | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.007 | -0.01 | t | 110841 | EVTPAIKSE VSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.05 | 0.043 | 0.05 | t | 131106 | TGLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 111161 | CNSSSMN SC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 114859 | ICGTDGVT YT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79384 | SCNSFMIP AQPST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103260 | HRSDGSG DTFLFTQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115980 | SPEVIESPP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78226 | PFTNLAHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 116978 | FPSHYWLY PPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 104253 | SNVECDGL NCDWII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.022 | t | 73636 | YEDRYyre | Mus musculu s |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 116682 | CHGRGTC NYYANAYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.05 | 0.04 | 0.037 | 0.039 | t | 134149 | LRENQLLP GFEL | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.077 | 0.079 | 0.08 | 0.08 | t | 145119 | CLPKPLPK GTEDNDQ RAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.03 | t | 61409 | SSTQVQHT LLQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.021 | t | 122719 | CGVDFEIK AFATHSTD VEED | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 37310 | LLGACSFs | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.069 | 0.063 | 0.06 | t | 50354 | QASDDGD KGSDVES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78562 | VYASPNTT GLNDIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0.003 | t | 52082 | QQPFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 145776 | FDTGA FDP DWPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 104202 | QHGHLLTS SQELERYT FNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.023 | 0.021 | t | 151609 | DETPMRG ETRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.027 | 0.039 | 0.047 | t | 61502 | SSYTQMY Q | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.022 | t | 146990 | GPGTIKKIS F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 75847 | YSPELE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.026 | 0.029 | 0.03 | t | 67972 | VDHFHLG DDMDPEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | 0 | 0.001 | t | 75544 | YQRESQAY YQRGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.02 | t | 60592 | SQWGWG GSTDEYCS PDHNCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.02 | t | 60592 | SQWGWG GSTDEYCS PDHNCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 78752 | NKGKWKE HIKEVTEKL KKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.007 | -0.009 | t | 51775 | QNTRNIVP VSIVSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.013 | -0.02 | t | 110852 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.013 | -0.02 | t | 110854 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.031 | t | 38408 | LPAMSTTD LEAYFKDC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.01 | t | 111208 | DPDVNRFI DKYGQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.019 | t | 78923 | AFGANS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | -0.001 | -0.004 | t | 20089 | GGWNTG GSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 128088 | QVYYRPV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.021 | 0.02 | t | 21831 | GPVYCFTP SPVVVGTT DR | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 92780 | GDDFIDG GKG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135682 | GKVDAFC G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123425 | LGEEYEEH L | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103932 | GKLPPPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 70799 | VRPLTETR GDLFSGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 96476 | KLFPNSLD QT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 3524 | APEARQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.024 | 0.031 | 0.032 | t | 41868 | MKNNPVY SESL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | -0.002 | t | 28075 | IPSTAFTDI AWVRLPN HY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 73636 | YEDRYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.039 | 0.03 | 0.03 | t | 65861 | TQGSNWI Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.03 | 0.03 | t | 65861 | TQGSNWI Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.008 | 0.02 | 0.023 | 0.02 | t | 156918 | MAITDHP GSAMV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79672 | VNLEDPAS RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 133535 | CKPGEVQ QC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0 | -0.001 | t | 146795 | CCELCCNP QCAGCY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.022 | t | 70472 | VPSDTVQT RHVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.033 | -0.032 | t | 115887 | PHPHLSF MAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 33888 | KTLLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0.007 | 0 | t | 102381 | EEIAQVATI SANGDKDI GNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94449 | CCNPA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 27728 | INQQLNPK TNKWEDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 27727 | INQQLNPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 7532 | DAHHAAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 7532 | DAHHAAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 115297 | INYWLAHK AL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.033 | 0.036 | 0.027 | t | 73159 | WTTCQSIA FPSKTSASI GSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123875 | YMESEKFI K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123149 | ESEKFIKW P | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 84512 | KLQKNGA DLA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121847 | SGVFLSVP ESYFGSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121847 | SGVFLSVP ESYFGSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103929 | GKLPIPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105850 | GTAPFEIH | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 123626 | PPYMPPPG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115824 | KIAKYIPIQ Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.018 | 0.02 | 0.02 | t | 68858 | VHILCYCY GLPDSEP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.02 | t | 68858 | VHILCYCY GLPDSEP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 95119 | MKKPGENI KPLSCKYSY PKH | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 142424 | GDEFDTYD DIKKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.031 | 0.03 | t | 60669 | SRGGSQAS SRSSRSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 152053 | PYCLGSPS QDGY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.026 | -0.022 | t | 60082 | SPIAGKTS VLRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.017 | t | 140546 | CNLWEVM HGTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.027 | -0.031 | t | 27067 | ILGGKFL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.022 | t | 135497 | RYPNQVYY RPM | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 45695 | NRLGGLFN FGPKQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.023 | 0.019 | 0.018 | t | 33090 | KQVTIRIG CKTSSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.001 | t | 124604 | QIERDTER DRFLSAPE AV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | 0 | t | 21812 | GPTRTIGG SQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.001 | -0.002 | t | 20480 | GIVRTPLA ELLDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | 0.003 | 0.003 | t | 106779 | RKPLSPG MTGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 133694 | SHMNALL RQQAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.068 | 0.067 | 0.068 | t | 60470 | SQKGKQQ EEEENEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 64032 | THGQWN KPSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 64032 | THGQWN KPSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.047 | -0.03 | -0.026 | t | 145725 | CKQAGTC PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 111166 | CPVIKPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | 0.001 | 0.001 | t | 19639 | GFTWTGV TQNG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 115730 | EPTSTPTTE A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 92809 | GGKGDDIL DG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95318 | DLQVLAQ K | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.02 | 0.02 | 0.02 | t | 95318 | DLQVLAQ K | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100352 | NQLKEHPT DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79357 | RCDLRYDA FVPWCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 51123 | QIPYNLKIF AIMLDTHK MLV | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.028 | 0.021 | 0.02 | t | 86712 | NFKQGQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.01 | 0.007 | t | 144622 | EDVGSNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.027 | -0.029 | t | 118348 | FHSGKHY WEVDVTG KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.008 | -0.01 | -0.01 | t | 19577 | GFLMHAP AFETAGTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0.001 | t | 159172 | TTDSGKLV TDWCCRS C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 134274 | YKWTVTV EDGPTKSD PRCLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.001 | t | 49505 | PSSKRFQP FQQFGRD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.023 | 0.022 | t | 106550 | IWYINCFG CETHAML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0.001 | t | 44251 | NIISCNKN DKNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.043 | 0.053 | 0.051 | t | 125357 | AEIETDKA TIGFEVQE EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137927 | LSADFTPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.034 | -0.029 | -0.03 | t | 138028 | SAGALQLL VVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 117111 | WPMNDD STRPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.003 | -0.01 | t | 120548 | GAGAPVYL AAVLEYLT AE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.02 | t | 13421 | EMVDVVT G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.042 | t | 134670 | FIDEPRRR PI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 109425 | KNQVSLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.012 | -0.02 | t | 55299 | RPQKRPS IGCKGTHG GTGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.04 | t | 105702 | CVYDQYG TEFEDYSY ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 144647 | GDNGKGF FELPMKD | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.02 | 0.021 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.02 | 0.021 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.011 | -0.01 | t | 78735 | LRVKIERD DLSRETIHQ II | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.014 | 0.01 | 0.01 | t | 99785 | YIVDDVN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.03 | t | 111211 | DPVGPSD PSIVSLVEE TSF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 111211 | DPVGPSD PSIVSLVEE TSF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.047 | 0.051 | 0.05 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | 0.001 | 0 | t | 752 | ADQAQYN QMH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 113371 | EPARSRSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.041 | 0.043 | 0.042 | t | 11451 | EDTLNKVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.02 | t | 5771 | AYFLYQQ QGRLDKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 151110 | AEKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 158587 | EFGTFLW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 138219 | PTPETGPL QR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123343 | KAYMESEK F | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132907 | TCYDDEM KIGFPEDL | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114761 | DCSEYPKP DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 102091 | SSTWNTW QYFPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 100405 | PYYGPGV DYKNNLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 110585 | GAPGIAGA PGFPGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115259 | FYQKFPQY LQYLYQGP IVLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111157 | CMPYGS LAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 81550 | EIKVQMSA AY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.015 | -0.009 | -0.01 | t | 64050 | THLRALFG YSEVRKVIL TKR | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.05 | t | 140648 | ALREYRKK MDIPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 132100 | TLPTPVVQ L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 108860 | DGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.006 | 0.011 | 0.008 | t | 48395 | PLLGCIGST CAEDGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 135495 | RITLYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.03 | t | 117448 | CTLAEK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.002 | 0 | -0.002 | t | 56610 | RYPGQGS PGGNRYP PQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44554 | NKND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 44554 | NKND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.023 | -0.018 | t | 48849 | PPPAPDPS PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 25009 | HTYSPHEL SRVAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.014 | 0.021 | 0.022 | t | 58903 | SKNFNFEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 69833 | VLVLNPSV AATLGFGA YMSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.009 | -0.011 | t | 98804 | GLVWTSG PAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.027 | -0.028 | t | 70661 | VQVRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.024 | 0.031 | t | 142443 | LSTTEVAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.024 | 0.031 | t | 142443 | LSTTEVAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 108152 | TCPPCPAP ELLGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106315 | CSGTKKLS EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0.002 | t | 52332 | QSHFLLQG T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0 | 0.021 | 0.024 | t | 46479 | NVSINNN NNNNNSN T | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.017 | 0.02 | t | 20548 | GKEKVNEL SK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.083 | -0.072 | -0.08 | -0.082 | t | 58956 | SKVALAAL PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.027 | -0.031 | -0.032 | t | 19504 | GFCDGYCK THLKASS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.027 | -0.031 | -0.032 | t | 19504 | GFCDGYCK THLKASS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.014 | 0.012 | t | 134415 | IWRSTQG V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142022 | SRIFRGDN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142022 | SRIFRGDN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142022 | SRIFRGDN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.012 | t | 140853 | GEYVQILD AHAAYLN ATPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | t | 115884 | PGEIVESLS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 79478 | YFWNYSYE VF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.012 | 0.02 | 0.02 | 0.02 | t | 144195 | AGGGSGS ADDVVDA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144195 | AGGGSGS ADDVVDA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99445 | LRAPQRCD LDVESGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79142 | ACDPSTV MVPWPCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 93328 | LSKVVDNY EL | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151032 | LYQNADTY VFVGSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137734 | DTALTCAA LKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123653 | QCLEDFAK L | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118610 | SPGFNDG GKNTAPLT LC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123307 | IEALPSIA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106921 | TPYTNNPD LLFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107363 | FLFPPKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 142131 | DTPTLHEY MLDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.008 | 0.01 | 0.01 | t | 22884 | GTVVAVG PGRWDED GE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.007 | 0.008 | t | 44858 | NLRGDLQ VLA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.007 | 0.008 | t | 44858 | NLRGDLQ VLA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.013 | -0.01 | t | 54238 | RIRFKDDT SF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.02 | t | 123016 | AIYENEIHA LWADLP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.042 | t | 51833 | QPFRPQQ PYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 134781 | RGDGPFR LGG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.067 | -0.061 | -0.061 | t | 107828 | ERGLKGHR GFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | -0.001 | 0 | t | 138175 | GAPPNGA PPPPVDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 49533 | PSTPGDNP LV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.012 | 0.051 | 0.059 | t | 133561 | ESTWYM WQSRSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.008 | 0.02 | 0.023 | 0.02 | t | 156872 | FSKSSSWE SWLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | t | 110460 | YEQLNDSS EEEEIDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.019 | -0.02 | t | 47726 | PGPSQKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.019 | -0.02 | t | 47726 | PGPSQKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.01 | 0.01 | 0.01 | t | 123133 | EKFNMGL DL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.019 | t | 153288 | SDPRKMCI Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.028 | 0.019 | 0.02 | t | 79040 | PGQNLCT K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.018 | -0.023 | -0.022 | t | 3986 | AQKKIIAEK TKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 926 | AEGEFKTR RNTNYQD PAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.023 | 0.02 | t | 24286 | HLPYIEQG MQLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 151792 | AINEGQNK PEI | Homo sapiens |

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|---|------|---|---|-------|-------|-------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130986 | NPIENMM DRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.013 | t | 28911 | ITGHRMA WMMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.043 | 0.047 | 0.052 | t | 14574 | ETTTASGL VIPDTAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0 | 0.013 | 0.012 | t | 8475 | DGQPAGD RADGQPA GDRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | -0.003 | -0.001 | t | 106411 | FALEAYAF DI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 92809 | GGKGDDIL DG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140605 | TLYDALGA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140605 | TLYDALGA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 105697 | CCAVLNG AY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.021 | 0.021 | t | 51306 | QLDPAFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135698 | IYTKVSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78299 | WHLAYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.023 | 0.021 | t | 106418 | FIFPPSDE QLKSGTAS VV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 60594 | SQWNKPS K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.021 | 0.02 | t | 73068 | WSEVDAV SSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.03 | 0.028 | t | 79369 | RGDLRGDL RGDL | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.028 | t | 79369 | RGDLRGDL RGDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.007 | 0.011 | t | 22372 | GSIGAAS MEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137451 | SHRLPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.049 | -0.042 | t | 130922 | KGMLPDP KNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.003 | 0.013 | 0.021 | t | 115640 | QKSQRSQ DEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.007 | t | 108075 | PREPQVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.021 | -0.013 | -0.01 | t | 29897 | KANADAK AAYEAAV AANNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.023 | -0.02 | t | 25296 | IAGMDWA VK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.059 | -0.063 | -0.062 | t | 114997 | YTNDCLLC AY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.03 | t | 42074 | MLTESTFK NLSVTFKF GEEF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.03 | t | 42074 | MLTESTFK NLSVTFKF GEEF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 45877 | NSKKIICTC KEPTPNAY YEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 116930 | AYKLPQTD DST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 103792 | AGTELSAT GNESGGG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.033 | 0.033 | 0.031 | t | 33222 | KRTSIWGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.012 | t | 145838 | IVSLVEETS FIDAGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.019 | t | 107219 | PAGGPGF PG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 7673 | DAVTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.002 | -0.01 | -0.013 | t | 42885 | MTTAQGT SMYPSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 73611 | YDYQHKE G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 4770 | ASSGIGPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.031 | -0.029 | -0.032 | t | 147064 | KHQGAQY VWNRTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.022 | t | 140889 | PAVLGHD EAAYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.053 | -0.043 | -0.04 | t | 18536 | GACAPYRR LHLCD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.028 | 0.04 | 0.042 | t | 75418 | YPTFGEHK QEKDLEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.046 | -0.04 | -0.04 | -0.042 | t | 123030 | APPPAGAMIP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 71577 | VTYEIDLT NKNAAKL RGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 17366 | FPQPQQP QQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 135728 | NSTEAETI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135719 | MEEKCSFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135995 | SIQSIVPAL EIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144036 | PSIIGGSSV DLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114772 | DGVITYTN DCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103121 | DVGS LNG TYVNREPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 98330 | PGSDVYYA GL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97283 | ETINFADA E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.013 | -0.01 | t | 42633 | MSPVNKS FEIEVTCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.009 | -0.01 | t | 44851 | NLQKDEP NGRA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 63037 | TAVSPTTL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 27462 | IMDINKRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.011 | t | 62016 | STYQYIYNL T | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 70813 | VRRKDDR RGALLSP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.002 | t | 127725 | LPACNTPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.007 | 0.01 | t | 54206 | RIPADVID AFHAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.001 | 0.01 | 0.012 | t | 36043 | LGAALLQS AR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.02 | t | 157276 | FQSQPPP GVPQG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.001 | 0 | t | 2609 | ALHQALQ DPRVRGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.001 | 0 | t | 2609 | ALHQALQ DPRVRGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23190 | GVTYEIDL TNKNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | -0.01 | t | 95814 | SAQSGASA QSGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.011 | -0.01 | -0.011 | t | 60595 | SQWNKPS KPKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 69595 | VLLGACSF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.013 | -0.019 | t | 122136 | LGRGGSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.003 | 0.002 | t | 136015 | YHVYEVNL VSEH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 50507 | QDPRVR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 50507 | QDPRVR | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.029 | -0.02 | -0.02 | t | 113862 | SITSGPMA RP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.037 | -0.03 | -0.027 | -0.031 | t | 32145 | KLRRSTN WG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.013 | t | 30290 | KEAFRLKN GRQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.056 | -0.06 | -0.06 | t | 123281 | GYWKLRG LA | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.054 | -0.056 | -0.06 | -0.06 | t | 123281 | GYWKLRG LA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.003 | 0 | t | 65697 | TPPRCSDQ MYCSLSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.003 | 0 | t | 65697 | TPPRCSDQ MYCSLSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.018 | 0.02 | 0.021 | t | 126227 | HNNAHY VFEEQED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.033 | 0.033 | 0.03 | t | 115265 | GKDITADN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.004 | 0.01 | t | 55889 | RSLPPIVKD ASIQVVS AIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 115906 | PVEPFTE S QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 96208 | EDEEDEE D KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 106850 | SLQQLYD E YGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103578 | SAAIGLS M AGSSAMI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 107765 | CESAQRPF GCC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 107765 | CESAQRPF GCC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112398 | WFAYWG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.002 | 0.008 | t | 144208 | AQAGGPD GAAAGGG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.005 | 0.002 | 0.008 | t | 144208 | AQAGGPD GAAAGGG | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137883 | GQNVLSA DFTPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 120920 | RLVEHLLD PSRYNKLIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115907 | PVVVPPFL QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 104155 | NPEDCFKT GCNSPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.007 | 0.01 | t | 33126 | KREMVITF K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.017 | -0.019 | -0.02 | t | 968 | AEHQFKEK V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | -0.001 | t | 121474 | KKAPAKKG EKVPKGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.013 | -0.018 | t | 112860 | YAQPSEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.009 | 0.016 | 0.02 | 0.02 | t | 147083 | LCSEYRNT QIYTIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.009 | 0.016 | 0.02 | 0.02 | t | 147083 | LCSEYRNT QIYTIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.008 | 0.001 | -0.002 | t | 16114 | FHISCLTFG RET | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 8898 | DKILVQAG EAETMTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 8898 | DKILVQAG EAETMTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.03 | -0.02 | -0.02 | t | 140938 | YLNATPAA KVLVEGNT DERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.032 | 0.03 | t | 22123 | GRLGTYRY VSSGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.011 | t | 119837 | ELIPSTSSA VPLIGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.057 | 0.051 | 0.049 | t | 103083 | CGGVYDD KTGCA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.028 | t | 107366 | FPPKPKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.014 | t | 145921 | NPEIVYQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.003 | 0.001 | 0 | t | 51374 | QLINTNGS WHVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 75498 | YQHKEGRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 42795 | MTEQQW NFAGIEAA AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.003 | 0 | t | 42795 | MTEQQW NFAGIEAA AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 151031 | LVKKGNSY PKLSKSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.006 | -0.01 | t | 125029 | EIERDTER DRFLSADE AV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 28911 | ITGHRMA WMMMM NWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 4737 | ASREAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 65515 | TPCAAEEQ KLPINA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.007 | -0.01 | t | 114941 | RQDENYEE AIVHLKVA ALGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.042 | t | 22783 | GTPLDIDT ASESS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 91410 | GQVKRDN LAPMSDG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.043 | -0.039 | -0.04 | t | 51758 | QNRLESIK DS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.061 | t | 6816 | CPNSLTPA DPTMDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 131295 | ECQEATL MVMVSK DLFGTGK | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.018 | t | 118575 | RATWKS N Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6540 | CLAVLLGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 145832 | IPLGTRPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 131913 | IGGGWGN SDARYTPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.051 | 0.049 | t | 151026 | LREQLSSV SSFERFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.023 | 0.02 | t | 76350 | YVLLSEKKI S | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 131130 | VIASLTGG RRFEYDDP RFLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 28413 | IRVEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.017 | 0.019 | t | 44227 | NIFSGFTPE FLEQAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.016 | t | 55924 | RSQDACIE FVQQEVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.03 | t | 75920 | YSVLYNST FFSTFKCY G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.024 | 0.03 | 0.03 | t | 75920 | YSVLYNST FFSTFKCY G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.03 | t | 75920 | YSVLYNST FFSTFKCY G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 99775 | WELQGDR RCQSQLER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 78001 | SEGLKEET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149042 | FLHTRLLFR IVSYSG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 120939 | SEQSKEVY YE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141581 | YVYRWVE AECVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153423 | MPKDMLP YANPNGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119654 | TSGVHTFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123075 | DFLGKNPY L | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108037 | MTQMPT NHAMQLI LE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135900 | ATCRFYTL DSIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.007 | 0.009 | t | 95093 | HQQGGW STLIEDNIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.013 | 0.01 | t | 95728 | QPPVSQF HIQQGQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0.003 | 0 | t | 38764 | LPVWARP D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.001 | t | 135477 | LGAGLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107034 | YTTRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.058 | 0.057 | 0.06 | t | 46849 | PALDKLKL TGDEATG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.058 | 0.057 | 0.06 | t | 46849 | PALDKLKL TGDEATG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.033 | -0.03 | t | 95898 | TDYKKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.042 | t | 2558 | ALGGWGL HQPPPQIF LKILP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.011 | -0.01 | t | 17642 | FRRYQEER | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.008 | t | 104231 | SAADEKFI KETEHAkd YG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | 0.001 | 0 | t | 28637 | ISNRDF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | -0.01 | t | 95827 | SGASAQS GASAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.013 | 0.013 | t | 78194 | LITVNPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | -0.002 | t | 47006 | PAYEKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.037 | 0.037 | 0.033 | t | 135546 | DWEYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | -0.001 | t | 32889 | KPTDG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94442 | CCHPACG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | -0.003 | t | 106317 | CSKIQSTIF RGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.01 | t | 12571 | EIRQVGDF HYVTGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.027 | -0.013 | -0.018 | t | 136137 | APDRKGFR LLLASPRSC YKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.017 | 0.018 | t | 29732 | IYYHGEPIP VTVAVTNS TEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.026 | -0.02 | -0.018 | t | 41126 | MASLIYRQ LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | -0.002 | t | 121925 | TPFLPKIFIK PNAQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.031 | -0.02 | -0.018 | t | 111219 | DVNVYHIF FQMSLWL PSEAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149073 | MTSSETQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 134788 | RRGPSLGA SSHQHSR | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 132813 | FGENNNM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108282 | AQAYDLSP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115827 | KKNQDKT EIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79889 | KQLTFEGK PALE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79889 | KQLTFEGK PALE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149512 | VLQESTYQ LV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149512 | VLQESTYQ LV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117103 | TYQDFSTR PRSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117103 | TYQDFSTR PRSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79638 | RLVTDEI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151295 | LVLAKLGK DAGQPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.003 | 0 | t | 130612 | SPNTAHIT SKSL | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.003 | 0 | t | 130612 | SPNTAHIT SKSL | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.004 | 0 | t | 75152 | YNGEEYLIL SARDVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.004 | 0 | t | 67656 | VAKVNIKP LEDKILV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.004 | 0 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.004 | 0 | t | 4132 | ARDVLAV VSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.019 | -0.012 | -0.009 | t | 51474 | QLPNVGIT QGIV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.008 | 0.001 | 0 | t | 23296 | GWVFGST MNNKSQS VII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.007 | 0 | t | 122295 | DDVWLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.013 | -0.022 | t | 131898 | GRPLSVQ QQMMQQ SR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.012 | -0.003 | 0.001 | t | 79867 | INNLIWELI RGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.014 | -0.007 | -0.008 | t | 157771 | QGDRYTG EWYQGKK | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.027 | 0.03 | 0.029 | t | 55449 | RQLQNSM SGASADST QA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.031 | t | 29812 | KAGSTVYA VTAVTSIFS VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.065 | -0.05 | -0.05 | t | 97605 | RIVRGPAN LRNLKEFK E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.065 | -0.05 | -0.05 | t | 97605 | RIVRGPAN LRNLKEFK E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 58458 | SICGNNQL CKSICKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.019 | -0.02 | t | 149431 | QPFPPQQ PYP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 44869 | NLSGKAIN HIRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156875 | GHTSLR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.033 | 0.032 | t | 32692 | KPEKEKAS VPGGGD M | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.009 | -0.011 | t | 11029 | EAELTGYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.033 | -0.08 | -0.07 | -0.07 | t | 12792 | EKLCVWN NKTPHAIA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.08 | -0.07 | -0.07 | t | 12792 | EKLCVWN NKTPHAIA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.033 | -0.08 | -0.07 | -0.07 | t | 12792 | EKLCVWN NKTPHAIA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133795 | DFTYDQV AFNGLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133795 | DFTYDQV AFNGLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133795 | DFTYDQV AFNGLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114775 | DKEGKDVL VC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78230 | PHMNNYH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151729 | RYSPSLNT RL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 111157 | CMPYGSL AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.018 | -0.02 | t | 41115 | MASCRPID KFDQGW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.055 | -0.05 | -0.053 | t | 56852 | SALEDKLA DYKRRM | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.057 | 0.047 | 0.048 | t | 142442 | LKGDDSA GEQEL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.037 | -0.023 | -0.02 | t | 8127 | DEPTLLYVL FEVFDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.01 | t | 5274 | AVASPPAT ASVESSPL PAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 43039 | MYASSGIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.027 | 0.028 | t | 115869 | NKKIEKFQ SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.035 | -0.037 | -0.042 | t | 134198 | PVGPAAG MRPPMG G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.003 | -0.009 | t | 122101 | GKGAGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.02 | 0.02 | 0.018 | t | 123323 | ILNKPLITV SNSKIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 107814 | EGLHNHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.019 | 0.02 | t | 61573 | STEELFKEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.012 | t | 153469 | STETGNQ HHYQTRV VSNANK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.023 | -0.03 | t | 136007 | VKEKGMA ALPRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | -0.009 | 0.003 | 0.012 | t | 120653 | KAAIPEDK EYDVSGR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.021 | 0.028 | t | 115745 | FTESQSLTL T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.044 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 98883 | LNENKVLV LD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 24009 | HHPSTDKE QTNLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 137816 | DAETLMD AAVDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149062 | IPPNPSQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119463 | HKKSLSSP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121849 | SGVPLYSHI SYVISC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121849 | SGVPLYSHI SYVISC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 122488 | MSAKAAL EPRLAPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115258 | FYPELFRQ FYQLDAYP SGAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 77924 | IYTSPTFPP TAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112853 | TPTFMYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 100032 | FEPNTVKA HAAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.039 | -0.033 | -0.031 | t | 45563 | NQGSCLKL SFDEHLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.023 | 0.03 | t | 134786 | RPVDQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.029 | t | 64085 | THTMIFDN AFNCTFEYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.028 | 0.029 | 0.03 | t | 78871 | VDVDPNK GKWKEHI KEVTE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|---------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.029 | 0.03 | t | 78871 | VDVDPNK GKWKEHI KEVTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.052 | -0.054 | -0.05 | t | 69856 | VLWVVKS TPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 5582 | AVTRGTIN DPQRAKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 5582 | AVTRGTIN DPQRAKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.028 | t | 15509 | FEDVKGTG GESRDLP S GQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0.002 | t | 27463 | IMDINKRK YDSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.015 | 0 | 0.001 | t | 48618 | PNDPNRN VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 65684 | TPPHSARS KFGYGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.017 | -0.02 | t | 19737 | GGGAGAG GAGAGGG GR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.017 | 0.019 | 0.02 | t | 127935 | ARLSAKPA PPKPEPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.007 | 0.012 | t | 8383 | DGFKVSNS SA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | -0.006 | 0.009 | 0.012 | t | 10358 | DTIASGSQ RSTNSAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.03 | 0.03 | t | 31794 | KLDVVKLL YNEQFAV QGLLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | 0.002 | t | 12626 | EKAFRELA DA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | -0.002 | t | 132027 | QCSTIGQ MPNNQSI N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 7061 | CSQHLPYI E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.051 | t | 114223 | PFSRVVHL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 95016 | IRLPSDDV WLPDLVL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 24052 | HIHSVW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.008 | t | 108998 | FVCGDRG FYFNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 118763 | CYGSFARP MN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.065 | -0.06 | -0.063 | t | 131104 | TGALFKHS ENYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | 0.003 | 0.001 | t | 52094 | QQPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | -0.003 | 0.001 | t | 33538 | KSTWDLAL NNM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 79413 | TCPLPDPD SQYCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.016 | -0.01 | -0.011 | t | 43547 | NDYDGFLE NAHEHHG VYNQG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.01 | t | 33745 | KTKRNTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.021 | t | 76185 | YTTGGAQS HTLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.021 | t | 159085 | RYKYYPET PQGLAKII | Mus musculu s |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 144660 | GREGYPA DGGASAS ASAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 145371 | NALTESKY VKLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 103000 | AAAGDLV GPGCAEY A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 143675 | DRVDLGLT RGYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153337 | ACNVYEAY WCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135778 | VEGTSFLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153339 | ACPPYET WWCGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115280 | HKEMPFP KYPVEPFT ESQSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79640 | SASIRPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 88060 | RMAFTEIK VQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 51830 | QPFPSQQ PYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149059 | HLYNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.065 | 0.071 | 0.069 | t | 23985 | HHFQSHG QLSDHPH ALSSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.014 | t | 107380 | GEPGIAGF KGDQGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.015 | t | 119673 | WNPDDYG GVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.029 | t | 51852 | QPHDLGK VGEVIVTK D | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 136234 | FPGLITLTIS LLDTSNLELP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.051 | 0.043 | 0.049 | 0.051 | t | 29278 | IVGAGDSS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.007 | -0.01 | t | 7063 | CSQHLPYI EQGMQLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.007 | -0.01 | t | 7063 | CSQHLPYI EQGMQLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 110879 | GYRGRSSI RTGVKRPA VSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.048 | 0.053 | 0.06 | t | 108170 | TTANPSCP EGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.027 | -0.03 | t | 9586 | DPAFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.031 | t | 71848 | VVTGATVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117103 | TYQDFSTR PRSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.021 | t | 4681 | ASPTGYD WRADW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.041 | -0.05 | -0.052 | t | 100129 | HYKWLND PLAAW | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 136415 | KFAGRNF RNP LAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 136415 | KFAGRNF RNP LAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 27554 | IMSGEKPS MEDVVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.022 | 0.02 | 0.02 | t | 5962 | CAALASLF LSLGPQQK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.006 | -0.002 | t | 106057 | REFSPRGQ HGRRERA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.03 | t | 116930 | AYKLPQTD DST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.019 | 0.02 | 0.018 | t | 4528 | ASLKDALL KYIYDNRG TLI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.017 | 0.017 | t | 106539 | ILRWGNES EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 50609 | QEGVQQE GA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.039 | -0.039 | -0.04 | t | 54104 | RHVLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.05 | -0.03 | -0.027 | t | 141737 | REAYYLWK QYNPTGK G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.031 | 0.03 | t | 149428 | QLQLQNP SQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.024 | 0.027 | 0.022 | t | 122730 | DPAQPPR D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0.003 | t | 116284 | CAYSVAHL C | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.03 | -0.031 | t | 146496 | PPGAQPP TSRKEAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.021 | t | 106965 | VKGEEKEP SK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.006 | -0.01 | -0.012 | t | 58049 | SGGKLVGI LTSRNET | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.006 | -0.01 | -0.012 | t | 58049 | SGGKLVGI LTSRNET | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 151019 | LCKLRGVA PL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0.001 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.061 | 0.07 | 0.072 | t | 78573 | YTTEGGTK SEVEDVIP EG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.009 | t | 114149 | YGSLPQKA QGHRPQD E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108579 | PPLLLTDV T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105023 | VIQGSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 109854 | RQMVEKE SLDQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 93326 | LSFSDSNL KD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124285 | HPLSPHPS Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112149 | GVGWIRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.001 | t | 50900 | QGLPQEV LNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 23068 | GVNLEDP ASRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 23068 | GVNLEDP ASRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | -0.002 | 0 | t | 45464 | NPRENKLK QPGDRAD GQPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | -0.002 | 0 | t | 45464 | NPRENKLK QPGDRAD GQPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.007 | 0 | t | 146248 | FLFCGSM MATGKIL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 110606 | GNPGTDGI PGAAG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 135472 | KDRHDF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118374 | GKALCWV CAQSRKH RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38272 | LNLTTWNP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.006 | 0.011 | t | 48129 | PKQGGLPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.035 | -0.014 | -0.018 | t | 7705 | DCHLLGTE ELSGIPPP RGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.003 | -0.01 | t | 119476 | KKKKYAEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.031 | 0.03 | 0.029 | t | 117530 | IEFRSDA ESSDGEDF IVEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 118645 | VAVSAAP GSAAPAA G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 130581 | QAFDSH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.004 | 0 | t | 133870 | LAKLAGGV AVICAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.021 | t | 118019 | MGRGAPP PGMMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 136087 | VETDKATV GF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.009 | -0.01 | t | 40018 | LTLNLITEMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.02 | -0.006 | 0 | t | 48319 | PLFDGIFCS SSNFLGISF L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 98955 | QFEDFFPA SSRDQSS | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 117909 | HKGFKGV D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73449 | YASSGIGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9755 | DPRVRGLY FPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144385 | KPLEEVLN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 146625 | WNWFDIT NW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 146624 | WNWFDIT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134989 | GPPGARG LTGRPGDA GPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 103643 | TGALQERS K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51147 | QIVGGVYL L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51147 | QIVGGVYL L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23876 | HFVQQTP KSQPTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32990 | KQHTVTTT TKGE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24591 | HQLDPAF GANSTNP D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10692 | DVPDYASL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.018 | t | 135465 | GSDYEDRY YREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.05 | -0.039 | -0.036 | t | 55781 | RRYPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.001 | t | 21469 | GNLLSCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.02 | t | 108634 | SKVEQEET NPEVLIKD L | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40076 | LTPCD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40076 | LTPCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0.003 | 0 | t | 48414 | PLLVETWK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 115212 | DTQAIVQ NND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.037 | -0.04 | t | 33259 | KRYISWCL WWLQYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.021 | -0.037 | -0.043 | t | 33448 | KSMRSAN KP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.037 | 0.039 | t | 56329 | RVKMEKLL LKGTTYG MC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.017 | 0.007 | 0.008 | t | 136728 | VNYNGKE HLLIP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 78295 | WADLYSP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144665 | GREGYPADGGITCFLTAA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 146920 | FGGYTLRGTSIFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.014 | -0.01 | -0.01 | t | 21838 | GPWSPIDHHLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 21838 | GPWSPIDHHLS | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 21838 | GPWSPIDHHLS | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 123230 | GGPGIGRAA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.051 | t | 63236 | TDSPGG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.013 | -0.02 | t | 122564 | RTAGFDIKLIDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.003 | t | 41870 | MKNYLSFGMFALL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.005 | -0.007 | -0.01 | t | 48690 | PNPNDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | -0.002 | t | 56583 | RYLQEKYNLYNSDVFDGKVQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.018 | t | 107364 | FNWYVDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 151731 | SAQSQRA PDR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 142007 | SDWRFLR GYHQYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.009 | 0.01 | t | 74162 | YIAGDPAL AYGYAQD QEPDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.013 | 0.01 | t | 137394 | EDHRQVV E | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.018 | 0.021 | 0.02 | t | 48613 | PNDGEER QSYWF | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.023 | 0.022 | t | 49954 | PVSATAM APSVDPSA EPTAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 150994 | GVTAACP HAGAKSFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.013 | 0.01 | t | 61686 | STKAAKPP EAKREAI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.03 | 0.031 | t | 123838 | VWQDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 56364 | RVMYASS G | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0.006 | 0.002 | t | 50119 | PYKELRLE VGKQRLKY AQEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.05 | 0.05 | t | 139901 | SPFGEVPP KLTSEEIAA N | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.01 | t | 67450 | TYRGFTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141932 | KDKKDDKY TKILAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 77874 | FLPTSPTGL RIE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.003 | t | 11571 | EEEDDDM GFGFLFD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.008 | t | 128620 | FFQALGIT TKISRGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.002 | t | 123805 | TVGKSSK MLQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 145725 | CKQAGTC PP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132928 | WGENFIQ VPVSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107446 | IEKTISK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 43237 | NANPDPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112196 | LAVYFCH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.051 | -0.043 | -0.04 | t | 39136 | LRLKKYKV PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.031 | t | 102860 | TPYTSLYT W | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.027 | t | 79040 | PGQNLCYT K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.008 | t | 123346 | KDYYQKW MEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.024 | -0.029 | -0.03 | t | 35062 | LCKHSM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 71353 | VTHESYQE LVKKLEALE DA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | -0.001 | -0.001 | t | 43242 | NANPNAN PNANP | Macaca fascicularis |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 7171 | CTKPTDG NC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 7171 | CTKPTDG NC | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 112442 | ACQKH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.034 | -0.039 | t | 138757 | AHWSGHC CL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.014 | 0.009 | t | 134001 | AIQHESGIL GPLLYGEV GDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 75923 | YSWKTWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 39255 | LRYSWKT WG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.012 | 0.011 | 0.007 | t | 17998 | FTKWTWE TKGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 138255 | TTLTLRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.011 | t | 5232 | ATYTTGGA QS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.018 | t | 95356 | ENGDTVFT EVGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | -0.003 | -0.002 | t | 115349 | LKGYGGVS LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153860 | NLQKRMQ QLENDLD Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6995 | CSFSSIPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.059 | 0.052 | 0.05 | t | 136004 | TPPEIAQ VATI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.007 | 0.01 | 0.011 | t | 31580 | KKIQDCYV ENGLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.036 | -0.031 | -0.03 | t | 82816 | GNVTPRVS YAHG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.036 | -0.031 | -0.03 | t | 82816 | GNVTPRVS YAHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.011 | t | 49950 | PVRVAWS SPVQNCEP WIPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.053 | 0.05 | t | 134015 | CDKNTGD YYEDSYED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.021 | -0.02 | t | 78752 | NKGKWKE HIKEVTEKL KKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.025 | -0.021 | -0.02 | t | 78752 | NKGKWKE HIKEVTEKL KKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.01 | t | 10636 | DVKFPGG GQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.007 | -0.011 | t | 110766 | AIKSEVSLT GAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 108360 | FEDMAKS DKARYDRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112769 | EPLYGPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111725 | RHGEEYDL QFIFQLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115474 | RVYVEELK PTPEGDL LLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.006 | 0 | t | 76352 | YVLMVPK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0 | t | 97605 | RIVRGPAN LRNLKEFK E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.029 | 0.03 | t | 20204 | GIADLNDA S | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | 0.001 | 0 | t | 86748 | NHIENDPL KI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.01 | t | 4132 | ARDVLAV VSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.024 | 0.03 | 0.03 | 0.027 | t | 123482 | MALLHQI QGNELEPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 67730 | VARALAH GVRVLED GVNFAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.013 | -0.02 | t | 38582 | LPLPLLQS WM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.015 | 0.01 | 0.01 | t | 4754 | ASRQAEVI A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58405 | SHRLLQTY WSSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 3290 | ANGAGNQ PGANGAG NQPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.028 | -0.031 | -0.029 | t | 16123 | FHLPYNHN WFAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0 | t | 35628 | LENLMWK QI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | -0.002 | t | 32808 | KPNLSSKR SELSQLSM YRVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.015 | -0.011 | -0.01 | t | 97430 | KRLRLALA S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.041 | -0.037 | -0.041 | t | 99380 | KIADDWD NRHLPN A | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.059 | -0.061 | -0.057 | -0.061 | t | 99594 | QTYRQWII EAMSEGI | Equus caballus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150858 | ISSLYNLVK SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 142913 | MVLNEG SGTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150883 | SDDEDLAT S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102004 | QPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108482 | IINPSENG DTSTNGIK K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97771 | WYGYHHS N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 59229 | SLKMADP NRFRGKDL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 53894 | RGKDLPVL DQLTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21059 | GLPDSVKI WTSETNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.001 | t | 22015 | GREGYP DSKGCKIT | Ovis aries |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11463 | EDVNGIRK PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11575 | EEEEEDG FMGFGMF D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 22015 | GREGYP A DSKGCKIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 21059 | GLPDSVKI WTSETNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7674 | DAVTELDK N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 63885 | TGLPSSDR AFLVSVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23192 | GVTYEIDL TNKNAAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 112323 | SLTTYGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.04 | 0.03 | 0.027 | 0.03 | t | 66044 | TRKTSERS QP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.064 | t | 138227 | QKRAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 67933 | VDENANA N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | -0.001 | t | 50218 | QAASAAL GALGRFDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.022 | t | 133467 | YYTYFGRN AYNETKLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.019 | t | 49998 | PVVEVNG VTIQVGSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78225 | PFSNLDF M | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158873 | KAFKVIDQ DASGFIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.001 | -0.019 | -0.023 | t | 57723 | SFAIKWEY VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.013 | t | 6093 | CDCDRTA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.013 | t | 6093 | CDCDRTA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.006 | 0.01 | 0.013 | t | 6093 | CDCDRTA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.006 | 0 | 0 | t | 18953 | GDDPLL N | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 117747 | AMKISFAK K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.033 | -0.031 | t | 63082 | TCKKNM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.02 | t | 38422 | LPAYQDYT ARAQVSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.001 | 0 | t | 2242 | AKLTLVLT KCGSQIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.032 | -0.03 | -0.03 | t | 119562 | DYTGKIM WTPPAIFK S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117745 | ALLRNLGK MTA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.04 | t | 60758 | SRPIIHFGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 73594 | YDTRCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.017 | 0.02 | t | 79672 | VNLEDPAS RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.045 | 0.043 | 0.05 | t | 132269 | EPVDGVVL VDPE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 116954 | DPTDYSTR PHMW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.017 | -0.02 | t | 125553 | RRPEMGD QAHMPYT TAVIHE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106256 | ANYGYTFG SGTRLTVV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 54430 | RKTKRNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48596 | PNANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 50058 | PWYVWLGIAGLIAIV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 50058 | PWYVWLGIAGLIAIV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 156943 | QFTPDKH MLMLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 108215 | WVAMHP QGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.032 | -0.023 | -0.026 | t | 116292 | DPVVHFFK NIVTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.01 | t | 108164 | TLVCLATG FFPDHVEL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.033 | 0.032 | t | 106811 | SALTQPAS VSGSPGQS IT | Oryctolagus cuniculus |

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|---|------|---|---|------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.026 | 0.03 | 0.028 | t | 7558 | DAKDGKEI DTKHLPST C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 115357 | LLQKWEN GEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.026 | 0.022 | t | 33493 | KSREQLSK LHGVDTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.011 | t | 141534 | DRMNLQT LRGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.047 | 0.05 | 0.05 | t | 35356 | LEALADQT DALQSEEA AVVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 39392 | LSGRPAIP DREALYQE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135950 | LLCLLLSS RPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121843 | SGLGLFPY SSFIWSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121843 | SGLGLFPY SSFIWSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7238 | CTTSGFAS LFRLGPSQ K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.017 | 0.011 | t | 108126 | SIFFAVVLE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.025 | -0.02 | -0.02 | t | 15868 | FFPDHQLD PAFRANT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.006 | 0.01 | t | 139570 | QEWGTPG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.01 | 0.01 | 0.01 | t | 38428 | LPDDFFPKI DDLVR | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.056 | 0.06 | t | 117661 | TVTSAHPE DSSFYICS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 135441 | AGLGAGIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.012 | -0.001 | 0 | t | 14280 | ESSVDRRP METVSKD S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.009 | 0.01 | 0.009 | t | 45667 | NRDQGRK PTPPTPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.016 | 0.012 | t | 55670 | RRPFFHPV GEADYFEY HQEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.037 | -0.027 | -0.029 | t | 106947 | VATWLNPNP DPSQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106374 | EDHAGTY GLGDRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.021 | t | 52121 | QQQPFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.02 | t | 106876 | STLFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23190 | GVTYEIDL TNKNA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142381 | AAEFATEV KKAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.011 | -0.008 | t | 61636 | STGPCRTC MT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.007 | -0.007 | -0.012 | t | 9819 | DPYSPSQD PDRRDPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24651 | HQTLQDP RVRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 140916 | VSYGEEKP AVLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.027 | 0.023 | t | 120168 | RGWKHSV TYSGGPD PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.051 | -0.053 | -0.052 | t | 139725 | EMRTRIRY NRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156936 | PMPRFF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.008 | 0.02 | 0.02 | 0.019 | t | 61391 | SSTISSCT | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149113 | STPNVTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 93510 | NSLDKLISS V | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.01 | -0.01 | t | 102810 | SLNGKIRA VNVPKVTK EKPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138892 | REQAPNL VY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119625 | PENNYKTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132035 | QSLTPSPG WQSLGSS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135833 | CDGWML GECILV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 104747 | DCGDSFN PLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105280 | LDVTT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115189 | AWYYVPL GTQYTDA PSFSDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115874 | NQFLPYPY YA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 99008 | SMPVNTP GQFEDFFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.008 | -0.013 | -0.012 | t | 78836 | SPKRIGTG DR | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0 | t | 35982 | LFSLMPDV AHSLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.048 | -0.04 | -0.038 | t | 20639 | GKMVQVV YDY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.023 | -0.007 | -0.008 | t | 8356 | DGAVQPD GGQPAVR NERA | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.023 | -0.007 | -0.008 | t | 8356 | DGAVQPD GGQPAVR NERA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 102005 | QPDQHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.002 | t | 71284 | VTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 20657 | GKPALVPD KE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 42932 | MVDVVTG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.01 | t | 79052 | QLDPAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79475 | YDWLMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.007 | 0.008 | t | 6223 | CFEIKCTKP EACSGEPV VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.041 | -0.03 | -0.029 | t | 6541 | CLAVLLGA CS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.009 | 0.01 | t | 28290 | IRFKDDSSY EEVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.011 | t | 102696 | NTKWDIY GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.011 | t | 153254 | ERHTKFPS V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 56686 | RYYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 68664 | VGGPLTNS KGQNCGY RRCR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | -0.001 | 0.017 | 0.022 | t | 153819 | DTLEQQN KEANNRA EKSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.032 | t | 106311 | CLPFVQGK EK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 9597 | DPAPPNA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0 | t | 98433 | RVQKANA DAK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 98433 | RVQKANA DAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.029 | -0.028 | t | 54863 | RMAWDM MMNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.018 | t | 65996 | TRAPRREE LEWDD H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.003 | -0.013 | -0.023 | t | 113010 | GRVSTEVD ARLSFDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.008 | 0.019 | 0.02 | t | 112841 | SSKRGRQT PVLAM DH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.009 | t | 918 | AEGEFATA PPSHYSW DPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.08 | t | 115384 | MKPWIQP KTKVIPY RYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.022 | t | 124061 | ELERIRRSIL PYGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.018 | t | 107533 | NWLDGKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.009 | t | 102563 | KKRPPKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.007 | 0.01 | t | 10824 | DWSERIRE FM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.011 | t | 16123 | FHLPYNHN WFAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.011 | t | 122874 | PPARALKR SLWVEVD LLIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 127619 | DEYKRFM NYWTASN E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133956 | WIMSNF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135842 | NTYGDFM VKSPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 150970 | AVPADHG AHLSLRGL PVCAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112074 | DGAWFAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115309 | KFPQYLQY LYQGPIVL NPWD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.02 | t | 45420 | NPNDPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.02 | t | 45420 | NPNDPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.047 | 0.05 | t | 49022 | PQLEIVPN SA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115305 | KDERFFSD KIAKYIPIQ YVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79507 | AHIPWLL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 17365 | FPQPQFPF PQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 17365 | FPQPQFPF PQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.012 | -0.01 | t | 98975 | QVEKLIKN QKESHFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 50160 | PYQPVSNL TATTQGQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.042 | -0.03 | -0.027 | -0.03 | t | 156850 | APHNKWP HLNPP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.032 | t | 52397 | QSPHLTYP EPMS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.04 | -0.041 | t | 68019 | VDLPQPGL RR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.035 | -0.03 | -0.029 | t | 97478 | LTAGALWNA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132816 | FGQNAPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.007 | 0.012 | t | 78068 | VYDYNCHVDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.017 | -0.01 | t | 96453 | KFKEAFLRSV | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.022 | t | 122083 | DPNIKLVLDDCWATS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.031 | 0.03 | t | 135799 | YGKDVKDLFDYAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.078 | 0.067 | 0.071 | t | 18808 | GAVDSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.042 | 0.049 | 0.039 | t | 102381 | EEIAQVATISANGDKDIGNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.042 | 0.049 | 0.039 | t | 102381 | EEIAQVATISANGDKDIGNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 43239 | NANPNAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 113400 | FKLGGRDSR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 113400 | FKLGGRDSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 113400 | FKLGGRDSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.033 | 0.03 | t | 10817 | DWLEDTLSEGIRQWWKLKPG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 119452 | FRKTSKGG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 53342 | RDFSIRES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.007 | -0.002 | t | 130537 | LCENIANH LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.027 | 0.03 | t | 9118 | DLIAYKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 118846 | ILKKVLEAL KDLI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135711 | LDETVKDK LAKEQKSK QNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135837 | DMYGDIRL TGLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144678 | GTQPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144820 | YLEDWIKY NNQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153480 | TPSWRNP FPTYGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153333 | ACLDAKLQ QCGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153420 | MDWINPF PNFNSGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150883 | SDDEDLAT S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135660 | ECPEGYIL DDGFICTD IDE | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135836 | DLFGNVLL GQRLDQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144599 | CNGTHPSL RLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138628 | SQKEVLER TRAELDTV C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 143328 | DEGDTDLY DYYPEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 151101 | AAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144779 | SGTHWFL AGCIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136542 | PDGSESPT DQET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135841 | HVTDMM ELYTLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136544 | PEEYVSPD AEVIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134784 | RKRSQML FRGRRASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153341 | ACQVPHFF GCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138812 | SSVLYGGP PSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141559 | SDEALPLG SPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139860 | PVQRGAW RWPVVTN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153362 | APWSLRD HLAVTGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135650 | DKVSFFCK NKEKCC | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139846 | PEWWLEE PPFISSGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 137743 | DTPLTIAGL KLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 146813 | DAEFGHD SGFEVRH QK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141560 | SDEALPPG SPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153357 | ACWYSTR DHC GGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 145144 | DPGQLRL WRLAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135191 | NLKTPRV GGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139602 | SDSMLSW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135841 | HVTDMM ELYTLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 137469 | YPPEETG ERV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135471 | KDKATFGC HDGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144654 | GPHPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135834 | CEFRDGA GSICG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134421 | KQIPECEN VKTTQCVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134926 | ENPVVHFF KNIVTPRT P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 145777 | FDTGA FDP DWPYD | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 140695 | KGRFTISR DNAKSTLY L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144809 | VLAPGGT HSRGLLE M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139305 | TAAQITQR KWEAARE AEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138232 | RLTSSLRY NP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134702 | KEKKYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 137866 | GDTRPRFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153334 | ACLEILSW LCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153331 | ACISPNQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138456 | KEQFEFAL TAVAEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 137944 | PGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153447 | QPAIWINP FPAWGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153346 | ACRDHYPL SCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135842 | NTYGDFM VKSPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136061 | ETQAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 151609 | DETPMRG ETRKV | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135842 | NTYGDFM VKSPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 145376 | NCWKPVQ LHC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139225 | REAEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138198 | KPTSTLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138189 | HILGSTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135837 | DMYGDRL TGLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135839 | DYMGNIQ DFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144777 | SGTHMNL YLHDTAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 146189 | DIPEEIKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144656 | GPTHAMF DSSGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 142480 | VAAVTEKL RAGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138192 | HQTPLST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139500 | FHTHISV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134422 | KRKRSQM LFRGRRAS Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 137136 | DQQTQIA KDTAQT | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144786 | SMNRGRG THPSLIW M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135642 | CKNKEKKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 140459 | EHWSHD MFSPGD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135545 | DVFYPYPY ASGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153359 | ALLPFKDH LPYPGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138283 | AFSFEAQG GLA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134804 | TIFILCCSK EKRRKKQA AT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134767 | QDPYVKE AENLKKYF NAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138264 | YSNKTPHL QWRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 158947 | LDIDIDPKV KVATLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136419 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144705 | KGTHSLYS QIAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136420 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136418 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153498 | WSPSKLYS ARDHGGG S | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136353 | HGNAEVH ASFFDIGG S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135845 | WTEIHDW EAAME | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 140460 | EKLKHSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138141 | ANKTSPFL MWRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144673 | GTFCGGEE CMRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153382 | FAENKKD HFSPGGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144675 | GTHPFLSQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135845 | WTEIHDW EAAME | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150200 | FGEHKQEK DLEYGAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138255 | TTLTLRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138238 | SMLDTPPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144756 | QVGTHPG LANDYEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153434 | NSPFMLH SALSGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135839 | DYMGNIQ DFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 142441 | LFSPWLRV QNHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153481 | TPTWPLLT IFPSGGGS | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141764 | TLNFNAEG EPELLMLA NWR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138202 | LPTITNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 151023 | LCKLRGVA PLHLGKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135350 | VGVTTETPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 137962 | RDSPEDFV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 151763 | WYRATHQ E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153396 | HSFEPWS ARDMLGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144623 | EEAEGTTD AQIDANRK RESE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 149867 | PESFDGDP ASNTAPLQ PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144701 | KFGNYNH TQLLGQLQ AV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135799 | YGKDVKDL FDYAEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144598 | CFVGTHP QLRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 146337 | IPEEIKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135847 | YPAIVETGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134492 | QIQRRPS M | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144676 | GTHPSLQF T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135930 | GDKVSFFC KNKEKKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135833 | CDGWML GECILV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 142561 | CKVMVHD PHSLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141683 | KDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 149867 | PESFDGDP ASNTAPLQ PE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141105 | WEISQASH YFERHLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138608 | RVGAHDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 149684 | EPAGSNR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119025 | SWTDTDG TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 121112 | AACDPRH GRYLTVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131406 | EGEGSGFI REDPIGAG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125209 | QFQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122917 | TKVYSTDIF FILEITDNP Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118810 | GHGKGVG FGEGVGS GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130925 | KLLPEDDE SRTYHTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122895 | RWLPPVY EDGFS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133067 | EELSELREE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131576 | NSRQTDR EDELI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132727 | VTNEVHT WTEQYKF Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119823 | EDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120769 | LLVDVEPK VKSKKRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131101 | TDSEMDV VRFDDDN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122551 | RGQYLQL QELECDW EEVTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133622 | KPGDPSAL HVVRCWI C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122399 | HPQPEDP DTAKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123193 | FQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132754 | YER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122878 | PYEFSRKV PTFATPW PDFVP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124925 | YYVFFEEQ EDEIIGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123193 | FQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118762 | CYGSFAKP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132890 | QSPWQT WFTRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120699 | KMFPEVKE KGMAALP RL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122875 | PRGWNPG FLYNGFPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118383 | GLKKMLRT CAVHITLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125415 | FSPDGKPC TPPALNCY W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125230 | RERRGIAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130805 | ELNPEPDT EVFPMTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130524 | KFHPKDIP YQVW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118036 | NIVTPRTP PP | Rattus norvegic us |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122915 | THKANPSP EPNMHEC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130987 | NPVENM MDRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 121154 | ASAARLT MMW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132948 | YNCEPANP SEKNSPST QYCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132200 | CGNRGPSL RTTTVTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118581 | RDRDRDR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131658 | SGLRLLEKS QH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133623 | KPGEMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125021 | DWC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122749 | EIIGFGQEL KNPQEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122889 | RLDASFQE HPDLPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117400 | VSKDDSIIS SLDVTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130787 | EDFDIYDE DE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133536 | CKPVENRA C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132843 | ITPWPWH LERSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118105 | RKGHFLLS SKSGFWTI WL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122328 | EEYHLYKD GHLPISEFA LLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118019 | MGRGAPP PGMMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130808 | ENEPPVW TTESKLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122861 | NALNSPLH QEYEENL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122327 | EEVTTSGP CGEESVLL DRKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131075 | SQSYPEPA RGSVPMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122508 | PCGEESVL LDRKSGKQ YSIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119187 | GNAEVHA SFFDIGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122775 | GIFNTGLK MFPDLTK VYST | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|---------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125375 | DHTLFAAS HNHR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125375 | DHTLFAAS HNHR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123734 | SFSKASNS WFPVEGP ADICQ | marmos ets |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118763 | CYGSFARP MN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122915 | THKANPSP EPNMHEC | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 129301 | LQELEKDE REQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119499 | MTFSVPIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118346 | FEYFPSHFF VPELEV TII C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131701 | THHINNM KPSFTREN T | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131579 | PDIITGFSS | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125229 | RDSEGLDV AEKLGPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125441 | HPLTCDDP RFQ | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118151 | SRFSWGA E | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133542 | DGRRDVV VRSATFYL | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125236 | RIEKDTDR DNFMSAE EAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133580 | GFLSSCNF RFCELV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117598 | PEPAKSAP APKKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122430 | KGLRRDL ASREAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118060 | PPPGMRP P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120924 | RPEPKKP WSGVWN ASTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130492 | FKEQFLDG DGWTSR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131657 | SGLQAEDE ADYYCSSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 123282 | HACQKKLL KFEALQQE EGEE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123282 | HACQKKLL KFEALQQE EGEE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 117544 | KFRFLALKL YFSFTRP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131116 | TQSYPPPP AWRAASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124588 | PQEETLQA FDSHYDYT | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133705 | SSKTRSFG VHLVGPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118374 | GKALCWV CAQSRKH RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123283 | HAEQKKLL KFEALEQE KGKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118798 | GAGFGHG SGYGVGH GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117640 | SFEYFPSHF FVPELEVTI IC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119135 | EGVKYVLN ETTNWLW AFLAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 121542 | LFKPPKYH PDVPYVKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119143 | EPTITFGTA I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125029 | EIERDTER DRFLSADE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130729 | APHKHKAS LSIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122538 | QELECDW EEVTTSGP CGEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122445 | KQYSIEAA LRCRRISKE EYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124008 | DGVVLVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117495 | ERDRKREK RKPKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117399 | VMIKSLPA LNSPTVEE | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130488 | FDIYDEDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 127643 | ERPLELRV RVLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133372 | SPSPTPTP GPSRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 121064 | WKHWVY YTCCPDTP YLDITY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133707 | STRKEEKQ RNGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133531 | CDTLKPGE C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133630 | LPPGLHVF PLASNRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131303 | PVPSTPPT PSPSTPPT PSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117742 | AKAQTDR EDLRTLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117742 | AKAQTDR EDLRTLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130817 | ESVMQSY PPHLQIPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131686 | SYLSLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118867 | KLSQTSNV DKEEEAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131438 | GAVTVAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131374 | CKAKAQT DREDLRTL LRY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122377 | GLPRLETP ADLSTAIA SRS | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122377 | GLPRLETP ADLSTAIA SRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118336 | ERADLIAYL KKATNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119331 | RTVLVSM NYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118764 | CYGSFARP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118581 | RDRDRDR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124604 | QIERDTER DRFLSAPE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122728 | DLSTAIASR SVADKILD LY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131040 | RLAPEPDD PITPMTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132687 | STQTAGP WHLGKLEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120436 | DGTKVSIS | Rattus norvegic us |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130837 | FTRHSQTT ANPSCPE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132390 | ISNELNHIL LENDMK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130868 | GQSYPPRP DTS LHVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132397 | KEENLVKS LVSAGSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131628 | RGYDSYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130844 | GDQSTDY GIFQINSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 121932 | TRGYLERR L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132365 | HKYSWKS WGKAKIIG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 127185 | TCDDPRF QDSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119052 | WNPADYG GIK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122842 | LLDLPRDL GGMGCS PPCE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122746 | EEQEDEIIG FGQELKN | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125403 | ETTKLQRF QAML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 118060 | PPPGMRP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119052 | WNPADYG GIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118766 | DGEGRGD GGGEGHG QG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132504 | NNAIEPRS FSQNPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120020 | LEDPASRD LVVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118538 | NNGNLQL RKEVTWE VLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133535 | CKPGEVQ QC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131717 | TTLVNPNK KNSYPHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133776 | AGDLSKVD AKQPGDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117558 | LDGPTYKR RLDECEE | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119599 | KAEYILKK PRSELMFE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131365 | ATLVCLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133528 | CADQKPG EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122269 | ARQNLKD AGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131338 | AASSYLSLT PEQWKSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119601 | KGNNVHG FQKQIIRSF Y | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122262 | ALRCRRISK EEYHLYKD GHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125127 | LDPENLTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122468 | LLDRKSGK QYSIEAAL RCRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122254 | AGETKPSS SLSIGSIISK SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123849 | WQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118548 | PAPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131344 | AIGDRSKT DRENSVSI G | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131652 | SFDSSNPE YFDGYWGS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 126201 | GYKEKSKF QDTHNNA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125403 | ETTKLQRF QAML | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123838 | VWQDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133539 | CYKPGEW AC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131697 | TGTSSDVG GYNYVSWY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117907 | HKAFKGSI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117907 | HKAFKGSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117909 | HKGFKGV D | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118826 | GSGKGAGI GLGVGGGVGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124713 | SGEQPSDE QPSGEHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118829 | GVLAGQA SQLNA | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131020 | QLSPESDY DDHGMRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119823 | EDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133538 | CNKPGERT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131504 | KATLVCLIS DFYPGAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117614 | QGFPFYDK PMRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120682 | KILPEVKEK HEFLSRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122790 | HQEEDFR VTCKDIQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108019 | LSQPKIVK WDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112453 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115268 | GLQYTPS WLVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115096 | PPSLLFLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112603 | MIAATYNF AVLKLMG RGTKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101412 | WIRNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117383 | TLHKAFKG SIFVVFDSI ESA | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108834 | CKPISGHN SLFWYRQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102384 | EFRH | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102384 | EFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104226 | RPQDVKFP GGGQIVG GVYLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.001 | t | 102384 | EFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102384 | EFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112453 | ASQKRPSQ R | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105570 | VGGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108217 | WWNMFQ MGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108216 | WWATFFE ATR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102384 | EFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108629 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112453 | ASQKRPSQ R | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107891 | HRLAFGQY T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99040 | VLDTDYKK YLLFCMEN SAEP | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100635 | VTNYLVDG NG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100635 | VTNYLVDG NG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115069 | KEVDRLM S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107013 | YGASSRAT GIPDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108599 | QGDAKKG ANLFKTRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100070 | GLMVGGV VIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100070 | GLMVGGV VIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100070 | GLMVGGV VIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112149 | GVGWIRQ | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107166 | GPPGPQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108215 | WVAMHPQGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117140 | DWEYSVWLSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117140 | DWEYSVWLSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDSGYEVHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100070 | GLMVGGVIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108052 | NWLSLITAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113879 | SQRSQDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108213 | WQQGNVF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108064 | PGPPGPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 99921 | DAEFRHDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107882 | HEHTFGRQW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117246 | VTWEVLEGEVEKEALKKI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104569 | MASPGSGFWSFGSE DGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112672 | TAEFQMTFHLFI | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 111193 | DGPAGQA EPDRAHY NI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108345 | ENPKKIYP GTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110863 | GLKAKPKF TLGKRKAT PTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108212 | WPPSFWY HPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115047 | ELQFPFLQ D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106131 | TAIPSCPE GTVPLYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108210 | WFTSWER DWW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109253 | GSLPQKSQ RSQDENP VVHF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117345 | PRRRSRKP EAPRRRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 103998 | IVKWDRD M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102435 | FPKLTLYS W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 108295 | CKRDSTW C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112453 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 116677 | ASATQLYK TCKQAGT CPPD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 111125 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108074 | PQVYTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 114226 | QKSHGRT QDENPVV HF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107814 | EGLHNHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107814 | EGLHNHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 108522 | LHEYMLDL QPETDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 108075 | PREPQVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108075 | PREPQVY | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108200 | VSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100153 | INDQIKFII N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107949 | KSLSLSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102860 | TPYTSLYT W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112453 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110037 | VIASEGDS VNITCST | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106675 | NEEGFFSA RGHRPLDK K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113013 | GSLPQKSQ RSQDEN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Oryctola gus cuniculu s |

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|---|------|---|---|---|-------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 114414 | IPKVPPGP NITA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107662 | VLTVLHQN WL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108088 | RAAPFGN QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102880 | VDELD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108182 | VDLMTIRS CR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117383 | TLHKAFKG SIFVVFSI ESA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105021 | VHHQKLV FFAEDVGS NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 113879 | SQRSQDE N | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108104 | RRLPFGSQ M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108105 | RRLPFGSS L | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104850 | KEGILQYC QEVYPELQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109406 | KIQPSEPR DSAVYFCA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102944 | YGCYCGP GG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108168 | TRSGIQA T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115127 | WTQSLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108167 | TRAFGNEA T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108525 | LKKPKDRN DLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117315 | KALSVETE KLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108107 | RYAFGSQI A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108666 | TRCAQCH TLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 116745 | GSNKGAI GLMVGGV VIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 111309 | GDTPTLHE YMLDLQ | Oryctola gus cuniculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107951 | KTTICGKG LSATVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117074 | RSLLSGGL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 116971 | FAVLKLM GRGTKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 107773 | CSVMHEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107773 | CSVMHEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117333 | MVTSTITE KLLKNLVKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108156 | TDIPPCPH GWISLWK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106842 | SKDEIDSA VKMLVSLK MSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 108297 | CKYLWSKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108019 | LSQPKIVK WDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107768 | CIAPKRHN SAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106036 | QFAGKDLE SIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102563 | KKRPPKPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108156 | TDIPPCPH GWISLWK | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112508 | FFKNIVTP RTPPPSQQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108126 | SIFFAVVLE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108628 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 108019 | LSQPKIVK WDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108378 | GFAGQAG PAGATGA PGRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102942 | YGCYCGK GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99945 | DIRDSLSEE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99975 | EEKELLKRI Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108152 | TCPPCPAP ELLGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99975 | EEKELLKRI Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115058 | GNAEVHA SFFDIGGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 108131 | SKDWSFY | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107479 | KFNWYVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 108131 | SKDWSFY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106321 | DAEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108131 | SKDWSFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108131 | SKDWSFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107758 | AWNCCVK QTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117300 | GSGKGKV QFQGKKT KF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112453 | ASQKRPSQ R | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108007 | LLPWLDG HPM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108134 | SLCINLRA AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107951 | KTTICGKG LSATVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108135 | SLITAARG APS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 107479 | KFNWYVD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107479 | KFNWYVD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107479 | KFNWYVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107242 | SQTTANPS CPEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78457 | LRLPPAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79535 | EDDDDDF GMGALF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95163 | VLPGHQPS NGNMIYS YHTME | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78536 | TPLCDYAA ARVGACG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97020 | TVTRGTIS DP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 64086 | THTPLPRG IGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 96457 | KGTVNLT WSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79284 | LDAVPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62715 | SYSYNKDN NELSHFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 64099 | THWQLGE RPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62715 | SYSYNKDN NELSHFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65614 | TPIRHRS | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 95142 | RIKNTDGSIS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 77975 | QACQNNDTCPRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 96846 | RVFPRGTVENP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70384 | VPNLQGVPEPFSRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69942 | VMENFVAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 94483 | CYKKVWRDHRGTIIERGC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72087 | VYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79266 | KDAVPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63391 | TEHRDYHPQQRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75847 | YSPELE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63037 | TAVSPTTLR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 66749 | TTPAQGN SMFPSC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70554 | VQESYYRYVAREQSCR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67994 | VDKGHNYCGYPENLLI | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63037 | TAVSP TTL R | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62932 | TANGFYRL PSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97023 | VATRSQTD TSEKDC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75849 | YSPEVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71507 | VTSTLTSLF RPGASQKI QLV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60751 | SRNWLPG PCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62328 | SVSLPYAN LATH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 76618 | YYTKDTNN NLTLVPAV VG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 66108 | TRTNPWP ALAEGEF | unidentif ied |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62141 | SVGHMTG RFTSLFSV G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74506 | YKSDNIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72113 | VYNKTISG SGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63098 | TCRRMLAF LKDKENR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72113 | VYNKTISG SGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65820 | TQAHTTM RLANLFTS G | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79535 | EDDDDDF GMGALF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79474 | YDAVPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 66347 | TSNTHACR TCSNPCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70817 | VRRRVNA ANKKPEDL TLNDL | Aotus lemurinu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73081 | WSLFLNH AE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97348 | GLFGAIAG FIEGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 77802 | TEYSASVK GRFI | Mus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 64045 | THKVGTSF TFES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 72113 | VYNKTISG SGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 66751 | TTPAQGTS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79389 | SDVAGLQ NDPTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60722 | SRLGRSSA WV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65105 | TLTPENTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97547 | PFVPRADE PARKGKV H | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78176 | HLP | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 64411 | TIPAQGTS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69323 | VKTIGDKR TLTLNTTA NYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74036 | YGLFHKEK MLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79153 | ALQREAAE RSEDEIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73784 | YEVRAELP GVDPPDKD VDIMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65678 | TPPAYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 66257 | TSHHDSH GLHRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95119 | MKKPGENI KPLSCKYSY PKH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72065 | VYKLDISEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78424 | IPRSRQIDL QIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62852 | TAGHGAY GITSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97596 | QTPLTMA ALELL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 66347 | TSNTHACR TCSNPCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70460 | VPQYLRW FEEWAED FCRK | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71263 | VTCDPPT Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 80002 | RKADLEKA LEGAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 77810 | YSASVKGR FIVS | Mus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97288 | ETQLTTAG LRLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63736 | TFQVEVPG SQHIDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79278 | KSAVGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79867 | INNLI VELI RGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62932 | TANGFYRL PSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79602 | LLPDSVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70542 | VQDLMKS SGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74462 | YKIGDNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62345 | SVTCPQQ V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78873 | VKFPGGG QIVGGVYL LPRRG | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74970 | YLVKYLCKI ARSQDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72251 | WAPSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70817 | VRRRVNA ANKKPEDL TLNDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74821 | YLMEVQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61612 | STFYGKPT GAGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 72178 | VYVEELKP TPEGDL LQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72178 | VYVEELKP TPEGDL LQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 72805 | WLTEKEGS YP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 92900 | HEALREPR KLERTISK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78286 | TTAETLDA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78286 | TTAETLDA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60797 | SRSESRKN RGGREEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 94380 | YVFLPPEE EEKDKR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74009 | YGGPANK KNAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60526 | SQPNT EQS PAIVLPF | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79806 | EKPAKTYD DAAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97595 | QTPLTMA ALELF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 66304 | TSLNDRQ GNATK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67967 | VDGSDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 76618 | YYTKDTNN NLTLVPAV VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 94606 | LTGGFYEP L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79852 | HFFKNIVT PRT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68041 | VDPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74045 | YGLLAVDP LFKP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63758 | TFTNPVVS TTQWSAP | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61708 | STLAKHAP AGYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74006 | YGGIYMN G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79188 | DSAVGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74497 | YKQKIIAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62489 | SWPLYDA SGLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97256 | EGAKGEN KRPNDKA GEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 96102 | APPLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 96085 | ALCSEKLD QWLCEKL | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|-------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74226 | YIIDHVDQ HNATEIC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 76290 | YVHDNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97252 | DTPLTTAA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60671 | SRGKGPG KKNK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60671 | SRGKGPG KKNK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69303 | VKQSRGE A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95051 | YSQFEKSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67076 | TVLRDPVF YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 77955 | MCSPTALR CQAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65050 | TLRVYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79176 | DAVPNM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79176 | DAVPNM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 94513 | FHPDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61686 | STKAAKPP EAKREAI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62885 | TAIHAVVW | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95043 | SPHQVYN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72940 | WPKD TDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53023 | QYPWRLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41233 | MDIDPYKE FGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41608 | MGP NLVL PDQKPPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41571 | MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50502 | QDPDNTD DNGPQDP DNTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58416 | SHSQLGPP VGGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39092 | LRGDLQVL AQKVARTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56195 | RTTPDRQ AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 39092 | LRGDLQVL AQKVARTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56807 | SAHGTSTG VRGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56734 | SADNNNS EYSWT | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 40563 | LVRMKRA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43317 | NATAEGR AINRRVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49455 | PSPEAHVP PPYVEPTT TQCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40563 | LVRMKRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56397 | RVRGLYLP AGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39808 | LTANTKS MALSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59387 | SLPGQTKIL AKVfyGEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 54393 | RKLWCHH FC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56022 | RTCAHPGE H | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57880 | SFRGSAQG IEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50930 | QGPgapQ GPGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41232 | MDIDPYKE FG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53195 | RARGRGR GRGEKRP | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51258 | QKTAASY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56022 | RTCAHPGEH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37372 | LLGTLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58409 | SHSAFNMFDGVGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.001 | t | 49680 | PTKEFFREA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43160 | NAGVLTCSLSKR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55726 | RRRSQSPRRRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43191 | NAKATYEAALKQYEADLAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48876 | PPPQAPYQGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 45990 | NSSFNTTQGWHHPSQRLLF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57557 | SEMPQLPSEMPQLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38522 | LPHSNL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56937 | SAPPTRVR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 38522 | LPHSNL | Rattus norvegicus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45990 | NSSSFNTT QGWHHPS QRLLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38522 | LPHSNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45990 | NSSSFNTT QGWHHPS QRLLF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41571 | MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39788 | LTAELKIYS VIQAEINK HL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57743 | SFDVPSKQ PTIDIDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41571 | MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53166 | RANDKGS VISLARLTE ELKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41169 | MAVPAFS DIAKSAND LLNKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46317 | NTWTTCQ SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48732 | PPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53878 | RGGPDDL TAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57299 | SDTRGDP VFNLPFQ | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48933 | PPTAPPLL PHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58422 | SHSVTKSL RVFGGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43191 | NAKATYEA ALKQYEAD LAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 52016 | QQEVDYII DHVDQHN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56719 | SAAYTAFG IANLFRVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57654 | SETQKSQN Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55073 | RNTNRRP QDVKFPG GGQIVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58207 | SGQARVLY SEFINAL | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 54786 | RLTENTEP LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55994 | RSVSKEEP GM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39024 | LQYTPSW MLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55799 | RSAPRITF G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41183 | MCAVRDP AFSRSRSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41537 | MFSGGGG PLSPGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57542 | SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57542 | SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58931 | SKQPTIDID LCDICT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51775 | QNTRNIVP VSIVSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56306 | RVHVSKEE QYYDYED ATFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 56306 | RVHVSKEE QYYDYED ATFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45390 | NPLGLKRG IEKAVEK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 47986 | PISLVNLST ASSAPPTR VRR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45571 | NQITSALS TQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46551 | NWNFDFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53014 | QYNTGNF SDGFYPFI N | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 47986 | PISLVNLST ASSAPPTR VRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56699 | SAAFYYRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46550 | NWNFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46795 | PAFLGCSS RFSGSFSG VEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45667 | NRDQGRK PTPPTPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46792 | PAFGANS NNPDWDF NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46792 | PAFGANS NNPDWDF NP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 47984 | PISLLFNEK EADDNDH EPQI | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39070 | LREGVTLG VGASFDT QKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 44616 | NKVIWDR DWMYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 53357 | RDGQSVIG ACASPYEG RYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 54553 | RLGDTDLI AEVEHDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53357 | RDGQSVIG ACASPYEG RYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.001 | t | 51233 | QKPLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41870 | MKNYLSF GMFALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.001 | t | 51233 | QKPLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48598 | PNANPNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 42698 | MSTNPKP QRKTKRNT NRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59593 | SLYELTH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55260 | RPPNAP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51847 | QPGVDIIE GPVKNVA VPLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39092 | LRGDLQVL AQKVARTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48331 | PLGFFPDH QLDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59982 | SPAPERRG YSGYDVPD Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46443 | NVPEKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38304 | LNPKTNK WEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43481 | NDLALPW KHEGAQN WNNAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57062 | SAYTPAYY TKDTNNN LTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 57062 | SAYTPAYY TKDTNNN LTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 47289 | PEGRTWA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43576 | NEDNEKLR KPKHKCLK QPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55671 | RRPFNIGI NNQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56701 | SAAHTAFG IANLFRMG | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 47565 | PFSPDGKP CTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 52124 | QQQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38810 | LQAMRKY SPFRNGY MEPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48993 | PQEQITQH GSPYGRCA NK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 48993 | PQEQITQH GSPYGRCA NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39169 | LRPTFDTR LMRLEDE MKEGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37171 | LLDPSFDY FQLYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 47201 | PDSDPQIP PPYVEPTA PQVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38325 | LNRADIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41375 | MEILGIAIN RYNGLTLR G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 54058 | RHKQKIVA PVKQTL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41375 | MEILGIAIN RYNGLTLR G | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|---------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39167 | LRPTFDTRL LM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 54058 | RHKQKIVAPVKQTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55185 | RPKHPIKH QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51371 | QLINTNGSWHIN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51371 | QLINTNGSWHIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 42475 | MRKTKLAPTVAHGV F | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 52420 | QSRGEAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58944 | SKTDNLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51371 | QLINTNGSWHIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 42475 | MRKTKLAPTVAHGV F | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56185 | RTTADRQTA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38730 | LPTLARSFII CIQMI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 46960 | PASTTNKDKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36958 | LKMADPNRFRGKD | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46443 | NVPEKQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51371 | QLINTNGS WHIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36958 | LKMADPN RFRGKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58371 | SHITSYPAY FW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48627 | PNEPDDAL AMRIIRI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46894 | PAPQAPY QGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55174 | RPIDDFDQ GWGPITY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51371 | QLINTNGS WHIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53355 | RDGQLTIK AERTEQKD FDGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51371 | QLINTNGS WHIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 42493 | MRQLDTN VER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50508 | QDPRVRG LYFPAGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 45190 | NNNLTLVP AVVGKPG SDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50508 | QDPRVRG LYFPAGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41204 | MCQCQVK YGTEFCKK RLA | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46859 | PALTAVET GATNPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50222 | QACKGKIQ ALCEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37627 | LLNQTARA FPDCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55641 | RRLGRQTY DNES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46443 | NVPEKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46443 | NVPEKQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 47598 | PFWVRGT TW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 52094 | QQPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45279 | NNVDQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48906 | PPRRVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50930 | QGPGAPQ GPGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49534 | PSTPGERV RH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 42475 | MRKTKLA PTVAHG VF | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56718 | SAAYATSS FSSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 52082 | QQPFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55389 | RQAESSEA MAAWSER AGEA | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21763 | GPRLQPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21763 | GPRLQPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11055 | EAGKHSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10908 | DYKDDDDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15468 | FDTGAFDPDWPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 21815 | GPVEDAITAAIGRVA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 28351 | IRNW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14000 | ERHLTFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13961 | ERAGAMERAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18363 | FWRGDLVFDFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31383 | KIPDPPQPDFPQLNSDWVPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11309 | EDENTLQHAYPID | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 31383 | KIPDPPQPDFPQLNSDWVPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31885 | KLKGFGAARV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 25146 | HWYISKPQ | Mus musculus |

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|---|------|---|---|---|-------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31383 | KIPDPPQP DFPQLNSD WVPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24037 | HIDSQKKA IERMK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23599 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 20667 | GKQPASD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30780 | KFLVNGR WID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 21816 | GPVEESVE RAMVRVA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13624 | EPDKSII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 20064 | GGVATY | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 25140 | HWSYGLR PG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15430 | FDMATNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 29812 | KAGSTVYA VTAVTSIFS VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13623 | EPDKMTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36931 | LKLAT | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|---------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36729 | LITNTIAGV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32841 | KPPTPPPE PET | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14844 | EVPLGVAA DANK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 12345 | EHKYSWK S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21823 | GPVLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30093 | KCTSDQDE QFIPKGCS K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 27910 | IPKVPPGP NITA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30093 | KCTSDQDE QFIPKGCS K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15417 | FDKVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23616 | HDEGRQII QFEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 16123 | FHLPYNHN WFAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36931 | LKLAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36931 | LKLAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15417 | FDKVK | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11081 | EAIPALTA VETGHTSQ V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36931 | LKLAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 34498 | KYLEEPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 28537 | ISIKYDPRK DSEVFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 28537 | ISIKYDPRK DSEVFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 28075 | IPSTAFTDI AWVRLPN HY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 12307 | EGVQQEG AQQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18177 | FVGLFTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 12542 | EIPDPVEA GEEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11744 | EELFKEYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 25587 | IDIDLCDIC TNTMDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 12375 | EHWSYGL RPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 35063 | LCKIARSQ DACIEFV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11081 | EAIPALTA VETGHTSQ V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23068 | GVNLEDP ASRDL | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 28804 | ITADMYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21723 | GPPAAGP PAAGPPA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24168 | HKYSWK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 11815 | EENVEENV EENVEENV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 16396 | FKLEKEVA E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 22230 | GRVCLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.001 | t | 13095 | ELIHVLHG LYGMQVS S | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32769 | KPKHKKLK QPGDGNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13572 | ENPVVHFF KNIVTPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 22312 | GSENKRTG ALGNLKN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | -0.001 | t | 12375 | EHWSYGL RPG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 16397 | FKLKAIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 20097 | GGYGDGG AHGGGYG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30200 | KDLLEQKR AAVDTYC | Oryctolagus cuniculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11377 | EDLDGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11571 | EEEDDDM GFGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11571 | EEEDDDM GFGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13481 | ENHSPVNI AHKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21293 | GMLATVA FNTFTDNV DQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30093 | KCTSDQDE QFIPKGC S K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 34645 | KYYGNGV TC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21254 | GMDGTQL DRW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15981 | FGGETFTP DWMMEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11571 | EEEDDDM GFGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 35484 | LEGGSRGA PGGGFVP NLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11571 | EEEDDDM GFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11571 | EEEDDDM GFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23069 | GVNLEDP ASRDLVVS | Oryctolagus cuniculus |

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|---|------|---|---|---|-------|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13743 | EPRCPYVG ADHFDPCP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11571 | EEEDDDM GFGFLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23032 | GVLAKDV RFSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23685 | HEGKAYFP REGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 12982 | ELDGSKNE WGWSKSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23694 | HEIAWFTE RSDKSYEH QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 33294 | KSDNNVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11411 | EDPASR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21625 | GPFYTSAP Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 12856 | EKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 21807 | GPTEESVE RAMGRVA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32159 | KLSEGDLL AEIETDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19067 | GDPEDL | Mus musculu s |

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|---|------|---|---|---|-------|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11872 | EESDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 34165 | KVPPWAR TA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11872 | EESDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36940 | LKLKSIVS WAKKVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24315 | HLVEKGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11872 | EESDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36353 | LGWLWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14223 | ESNPVDG AHLSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30262 | KDTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 16101 | FHENWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 26844 | IKLPALF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11872 | EESDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.001 | t | 25807 | IEFQQKNN RLLEITREF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11872 | EESDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15982 | FGGETFTP DWMMEV AIDNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 26829 | IKKMLAD QTVEEHIG | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32548 | KNLEEPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13524 | ENMTPQD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 28676 | ISQAVHAA HAEINEAG R | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 25807 | IEFQQKNN RLLEITREF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24445 | HPEYAVSV LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14273 | ESSPNTQ WELRAFM A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15468 | FDTGAFDP DWPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18441 | FYNQKFKG KATL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31002 | KGLNGLFD LGPKQKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30661 | KEVPALTA VETGAT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32159 | KLSEGDLL AEIETDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 34779 | LAGHGAF QITSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 26317 | IGRGNFGE VFSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30661 | KEVPALTA VETGAT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 20586 | GKIGMYP | Homo sapiens |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 33151 | KRHFLSQR Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23947 | HGRVGIYF GMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9044 | DLDGAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7674 | DAVTELDK N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 934 | AEGEFPPQ DARFPGG GDPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1373 | AFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4330 | ASARGDLA HLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9611 | DPDKDVDI MV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7673 | DAVTE | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7209 | CTSRFASLF NLGPQQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6501 | CKLSQGAP DSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1746 | AHAYSGY DVPDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1022 | AEKQKAAE ATKVAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4071 | AQSRNVR TFTGLFTS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6501 | CKLSQGAP DSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 921 | AEGEFCSP PDSPGVC GDPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9586 | DPAFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 247 | AAKGTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5994 | CAKSPRYT LD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4149 | ARGSLAVT I | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1254 | AFAQAPT HQLSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5559 | AVTFSKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5563 | AVTKGTIN DPQAAKE ALDKY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6343 | CGRVCLRC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 939 | AEGEFRLG VRALRKAP DPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 2780 | ALNGNGD PNNMDKA VKLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 918 | AEGEFATA PPSHYSW DPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 7851 | DDPPATVY RYDSRPPE DV | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 757 | ADQTVEE HIGYLVKY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7187 | CTNGLTAL FTPGAKQ N | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3933 | AQAANGG ASGQVKV TKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 793 | ADVTITVN GKVVAKP C | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4941 | ATEKSNVV RGWV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1406 | AFTPDWM MEVAIDN E | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6632 | CLTFGRET VIEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8133 | DEQFIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8756 | DIPNPIGSE NSEKTTM PLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 2273 | AKREAIVK ADEDDNE ET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 5967 | CADARMY GVLPWNA FPGKVC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5147 | ATSRSTM QLASFFTP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4710 | ASQKRPSQ RHGSKY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9134 | DLIQEGNI GLMKAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.001 | t | 9595 | DPALLM HELIHVLH GLYG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 610 | ACYLPFQL SCGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6020 | CAQQWPE WYPC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10227 | DSSAHGTP STPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6632 | CLTFGRET VIEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9613 | DPDKDVDI MVRDGQL TIKAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6210 | CEYNVFH NKTFELPR A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6226 | CFGNSEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3938 | AQAHTTR GLTNLFSS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9232 | DLPDYGDY GEDLFDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1536 | AGGSGRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6412 | CIEFVQQE VDYIIDH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5558 | AVTFASFD VPSKQPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 7851 | DDPPATVY RYDSRPPE DV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9278 | DLSLLGKA RKVVVTKD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8544 | DHILEPSIP WKSLLTL VQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3517 | APDTRPAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1157 | AESEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6276 | CGAVIDDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6883 | CQIYPPNA NKIREALA Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3516 | APDTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6249 | CFPYCYP S ESA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8552 | DHLPSPW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6524 | CKTC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 868 | AEEAFDL WNECAK CV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1497 | AGEPYVIE QGMMDP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3514 | APDTR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.029 | 0.03 | t | 26317 | IGRGNFGE VFSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.03 | t | 133843 | GTKAVTKY TSSK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142413 | EIAAEVAK AKVAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 108498 | KIHAREIFD SRGNPTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.006 | 0.01 | 0.008 | t | 42583 | MSKKSGK WWESDD KFAKAVY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.029 | 0.028 | t | 68053 | VDRAFSFE GIYVYSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.042 | -0.04 | t | 53067 | RAAIRAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.027 | -0.029 | -0.03 | t | 50304 | QALGALK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 142436 | KVAATSLE RWQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 142424 | GDEFDTYD DIKKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 158602 | PLELSVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149107 | SLAPRFPW LNPLDGW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78298 | WHHMYV P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45434 | NPNPDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113774 | QQGQQP GQGQPGY Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106026 | QARQLKN NNPFKFFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107650 | TYRVVSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79386 | SCSPTVYLT STKCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79293 | LLDYGWL WMW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.034 | 0.04 | 0.04 | t | 72816 | WLTYHGAI KLDDKDP QF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.004 | 0.007 | 0.01 | t | 346 | AAPANDK FTVFEEAF NDAIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.048 | -0.04 | -0.04 | t | 125454 | KDYKTMV KFCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 130474 | ECLLLSKYC MPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.05 | -0.039 | -0.039 | t | 42790 | MTDVSRI RAWGRR MIGTA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.052 | -0.04 | -0.038 | t | 121023 | VATKGLNE HG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.003 | 0 | t | 29752 | KAALIEEG QRMAEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.003 | 0 | t | 29752 | KAALIEEG QRMAEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.007 | 0.007 | t | 39985 | LTKFTTQK QVSSLFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.006 | 0.033 | 0.037 | t | 20521 | GKAVTKE QL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 41258 | MDPELRG LAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.018 | 0.01 | 0.008 | t | 60013 | SPDDPAFR FAPYFTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.005 | -0.01 | -0.01 | t | 19491 | GFADLMG YIP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 110275 | GPVGPSD PSIVSLVEE TSFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.009 | -0.01 | t | 138935 | YDQREPQ AWCRPNE NQSWT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105505 | SAE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 48992 | PQEQITQH GSPYGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48992 | PQEQITQH GSPYGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.046 | -0.05 | -0.051 | t | 22756 | GTLVRMA PVIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.043 | 0.04 | t | 106690 | NSDHFLQP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.024 | -0.03 | t | 76368 | YVNTNMG LKIRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.004 | 0 | 0.002 | t | 12626 | EKAFRELA DA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.01 | 0.01 | t | 134335 | CTKPSDGN CT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.01 | 0.01 | t | 134335 | CTKPSDGN CT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.01 | 0.01 | t | 134335 | CTKPSDGN CT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.01 | t | 71431 | VTNNTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.007 | 0.009 | 0.01 | t | 57257 | SDPDTSFL EGLDLGVD VRTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 136087 | VETDKATV GF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.02 | 0.02 | t | 136087 | VETDKATV GF | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140894 | QRRADAV KGYLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 66105 | TRTFTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 37301 | LLFTGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.011 | 0.01 | t | 107008 | YEFRHSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 121713 | PLTALLRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149061 | INPTQTT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135742 | QKSCEPAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156339 | KDDPTNKF YQSVIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156958 | SLHSSVQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132929 | WGNNY M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 127680 | HFHRPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133950 | WIFANF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 89581 | TLVNADA NYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135674 | FNDFTRVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.023 | -0.023 | t | 113876 | SPQQSGQ GQPGYYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 24870 | HSVRGFTS LFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.01 | t | 49967 | PVSLGGDV PNS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.002 | t | 8469 | DGPQKSV SQGGVSL DLYSKL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.011 | 0.012 | t | 141933 | KIENAAM AIHLCFNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.018 | t | 23985 | HHFQSHG QLSDHPH ALSSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.02 | t | 97075 | VSCYGKTK CTASNKNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.02 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.012 | t | 25309 | IAHQFKEK VLGLLQRA TQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.007 | 0.01 | 0.012 | t | 7852 | DDPPKDG NKDDLPE EKKDD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.003 | -0.008 | t | 122071 | AALGSAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.006 | -0.002 | t | 13661 | EPIAPYHF DLSGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 117614 | QGFPFYDK PMRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 66240 | TSGTSGTS GPSGPSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.038 | -0.03 | -0.028 | t | 46801 | PAGAGRR V | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.011 | -0.009 | t | 153288 | SDPRKMC IY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.033 | t | 110733 | VGENVPD DLYIKGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.011 | 0.01 | t | 12048 | EFLVNT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|---------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.057 | 0.059 | 0.06 | t | 98093 | HGFTEQNSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 49193 | PRGRRQPIPKARRPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.001 | 0 | t | 9951 | DRASLST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | 0.001 | 0 | t | 9951 | DRASLST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 117605 | PNHPSSSGSFSDADLAD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 153336 | ACNQVLSWLCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123405 | KWLGDKFN | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124274 | HPLAPAGTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117053 | PHPSTMFDRQED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110615 | GPRGPPGPQGATGPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 92667 | FEKVKHNLVI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 29965 | KATYEAAVAANNAKNAALT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.004 | 0.009 | 0.01 | t | 4013 | AQNFRNIMHGSDSFYFTFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0.003 | 0.001 | t | 6925 | CRGFTSFKKPPTPPPEPET | Papio |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 6712 | CNNPHRIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.038 | -0.031 | -0.029 | t | 66901 | TTVQQQF ADAWKPS PVMTVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.072 | 0.076 | 0.07 | t | 25497 | ICESAGVQ EDAASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.022 | t | 68041 | VDPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.043 | -0.041 | -0.042 | t | 75659 | YRPLGPGT PPMRARL PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.021 | 0.02 | t | 36264 | LGPLYLIQA TITT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 119505 | NSTMGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 119546 | WTAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 119475 | KKIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 119473 | KILKVIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 119478 | KNDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 119484 | LDKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 66312 | TSLNLQKD EPNGRAS DTAGQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0.002 | 0 | t | 38273 | LNLTTWN PTLLG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0.002 | 0 | t | 51474 | QLPNVGIT QGIV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.032 | 0.029 | 0.03 | t | 28548 | ISITTEVMP VSMAKTS V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.068 | -0.067 | -0.069 | t | 99009 | SNALSKRL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.003 | -0.012 | t | 113101 | NPVMERF AAHAGDL V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.017 | 0.022 | t | 60358 | SQAAPYIE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 10832 | DWVCSILT DFKNWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.038 | 0.04 | 0.04 | t | 35662 | LEQPVSND LS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.038 | 0.04 | 0.04 | t | 35662 | LEQPVSND LS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.024 | -0.03 | t | 11700 | EEITQVATI SANS DHNI GKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 73636 | YEDRYyre | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.032 | 0.03 | 0.029 | t | 94521 | GDLQVLA QK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.014 | -0.018 | t | 106990 | VYATRSSA VRLRSSVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9982 | DRHFLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132765 | YRAYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.003 | 0.001 | 0.002 | t | 12134 | EGCGWAG WLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0.002 | t | 48672 | PNLSAYPK SHGKTAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 66241 | TSGTSGTS GTSGTSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 119506 | PIVET | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.021 | t | 70472 | VPSDTVQT RHVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.033 | -0.032 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.033 | -0.03 | t | 70522 | VPYVKRVK TW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.001 | 0 | t | 78657 | FVHAKKKE EGEDDTA RQEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 78657 | FVHAKKKE EGEDDTA RQEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0 | t | 128016 | HLLTARAT NSQLFRRA VLMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.01 | t | 48555 | PMHECLS APSVCAD NY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.03 | -0.03 | -0.032 | t | 156850 | APHNKWP HLNPP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 79462 | VTSTYH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149054 | GSPNFTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 119602 | KGQPREP Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 39391 | LSGQPAVI PDREVLQ QFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134761 | PRRRSPSP TPTPGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153423 | MPKDMLP YANPNGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115904 | PTVMFPP QSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114785 | ECLLCAHK VE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.041 | 0.03 | 0.028 | t | 111927 | VSTAVDTG VLGTSYP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.013 | -0.013 | t | 116695 | DRRDPYSP SPYDRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.038 | 0.02 | 0.019 | 0.02 | t | 111238 | EGEAAQV EEVRIY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.009 | 0.01 | t | 133787 | CQALVRM LAKKPGW K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.02 | 0.017 | t | 131990 | NSPLRIGG GWGNSD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 86742 | NGVWVM MDGNEQ VEYPLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.022 | t | 608 | ACYCYGLP NWKVW D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.077 | -0.09 | -0.08 | -0.081 | t | 111232 | EDTYRFVT SQAIACQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.03 | -0.037 | t | 115784 | HRTFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | -0.003 | t | 131836 | CAPGSCFP GV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.011 | -0.009 | -0.01 | t | 6742 | CNYSKFW YLEHAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.02 | t | 53555 | RELADALL EK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.007 | -0.002 | t | 130536 | LCENIAGH LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.007 | -0.002 | t | 130536 | LCENIAGH LK | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.027 | 0.03 | t | 32535 | KNKLEEKA NKAMININ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.031 | -0.01 | -0.007 | t | 79775 | DDATVAIR SAINNLIVE LIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 117074 | RSLLSGGL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.019 | -0.021 | t | 72551 | WHRPPW WPSSSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.007 | 0 | t | 128144 | WGPVIDG HFLREPPA RALKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 119463 | HKKSLSSP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.033 | -0.033 | -0.03 | t | 75661 | YRPPNAPI L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.012 | 0.01 | 0.011 | t | 95521 | KQTLPPSV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 44095 | NGTYRATY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123522 | MTQAPRI M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.031 | 0.031 | 0.028 | t | 99416 | LFGILSVDC TSEEMN | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 151071 | YAADLKST QNAIDEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133558 | EKVTSTWT DWQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108297 | CKYLWSKC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104745 | CSTWDAN KPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110586 | GAPGNRG FPGQDGL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108297 | CKYLWSKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 101921 | NGGCDAD AT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 96566 | LKIVSPMV VK | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | -0.003 | -0.002 | t | 56675 | RYVKQEV QRGGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.004 | -0.009 | t | 27728 | INQQLNPK TNKWEDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.017 | -0.02 | t | 95354 | ELSEFIPGA SLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | 0 | -0.007 | t | 116024 | VTLRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.021 | t | 10431 | DTNKDKPS YQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 117300 | GSGKGKV QFQGKKT KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.037 | -0.04 | -0.04 | t | 24696 | HRMAWN MMMNW SPT | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 135440 | AFPAVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 119382 | VISCAKDAI EDEEGSC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132400 | KGKAGKD GGAGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127989 | GGAGAGG GAGAGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.021 | 0.019 | t | 53923 | RGLTSLFS AFSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.007 | -0.01 | t | 65519 | TPCILSGSA S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 70153 | VNPNNAA AL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 22145 | GRLVLSGK PAIIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 106441 | GDLKRTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52814 | QVVYDYQ H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36546 | LIHFGND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 130924 | KLPPEEDE MRTETQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 44870 | NLSGKAV NHIRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137964 | RFKEFGSV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.004 | 0.011 | 0.01 | t | 44634 | NKYLKVQL KKGETVEN TNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.01 | t | 21016 | GLLQRATQ QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 115645 | RNGKDQD GDQAP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 75949 | YTASARGD LAHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 75949 | YTASARGD LAHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135702 | KLTRAEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115626 | LKDAIGEG KVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103426 | MTLLELSD FVKKFEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115626 | LKDAIGEG KVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142391 | DAANIAH QKWLKAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138249 | TFRVVSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140878 | LAGKGVD AGKLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127738 | MHIPTPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131823 | ALVRYSSK EEVVKAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99975 | EEKELLKRI Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.03 | -0.02 | -0.019 | t | 104165 | PAANTRK GYHQTMN NSYTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0.001 | t | 158836 | IHNDVEA WIDRYKYL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.003 | 0 | -0.003 | t | 111123 | ARTYNQN LIRHVGGG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.023 | -0.019 | -0.021 | t | 103462 | PDRSAERC GSPAIDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 63540 | TESTLSTAL AELAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 62924 | TALVVAQL LRIPQAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.026 | -0.008 | -0.007 | t | 98807 | GSFRPSQQ NPQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.044 | 0.048 | t | 21102 | GLRGEEM EEMVQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.043 | t | 129296 | LPYGDSDM DRIEKDRL Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.008 | t | 67168 | TVSSQSFR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.019 | t | 108989 | FRCQVQFY GLSENDE W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 107124 | GAPGLRG GAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.038 | -0.031 | -0.03 | t | 87165 | NYKNGGF FVQYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.011 | 0.01 | t | 149425 | QGFFQPS QQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.018 | t | 50235 | QAELDDKY AGKGYKLG SK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.039 | 0.04 | 0.04 | t | 63818 | TGFADPNT TTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.001 | 0 | t | 72251 | WAPSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36278 | LGQGSFRP SQQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103359 | LILTSYTS EAMLDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.057 | 0.05 | 0.05 | t | 63571 | TEVEDDRE PSVPSEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149073 | MTSSETQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137965 | RFLPKYEG NIDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132170 | ASKAPAN GGNIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 118047 | PGIMAPPP GM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112395 | VYFCHQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115907 | PVVVPPFL QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112218 | LTCFSFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114845 | GTDGVTYT ND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113193 | TGEIKALA GCDFLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.01 | 0.01 | t | 9478 | DNIHVKM FKVIMNN DKSELI | Aotus sp. |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114784 | ECKETVP MNC | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 110795 | CDLIPNLKL NNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 73606 | YDWRAD W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 88944 | SNSHNSQ TEVAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.01 | t | 32971 | KQELDEIST NIRQAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.008 | 0.02 | 0.02 | 0.02 | t | 108790 | AQGPRGE P | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.092 | 0.091 | 0.088 | 0.088 | t | 106879 | STSTSSSSS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.011 | t | 122659 | YTSLHGYF VFGPTGC NLEGF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 24712 | HRVMYAS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 35006 | LAVLLGAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.058 | 0.06 | 0.058 | t | 95563 | LNTVNGTT RTVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 119493 | LSRKKTLTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.052 | 0.05 | 0.05 | t | 97650 | SLLTEVET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48463 | PLQKTYNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 153378 | EIDLKLEPG TRV | Mus musculu s |

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|---|------|---|---|------|-------|--------|-------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.008 | 0 | -0.002 | t | 72485 | WGNGCGL FGKGSIDT CAKFA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 55675 | RRPKHLYV SMPTAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 135458 | FGSDYEDR YYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.054 | 0.06 | 0.062 | t | 92285 | AFNGGGDG VDT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.009 | 0.01 | t | 79166 | CEGNLACL S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70667 | VQWMNR LIAFAFAG NHVSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.009 | t | 61420 | SSTTSKVP PSPGGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.038 | 0.03 | 0.028 | t | 140593 | PYQFFTAS E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.029 | t | 133737 | VTPYFSYP VA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.046 | 0.058 | 0.06 | 0.061 | t | 55924 | RSQDACIE FVQQEVD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133955 | WIMNNF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79409 | TCCLCSGK LALACE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95158 | TNVLVNSS GHCQYLPP GIFK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 22083 | GRIILSGKP AVVPDRE VLYQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123580 | PGMPPMT Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 92808 | GGKGDDIF VH | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112165 | IGVGWIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 100174 | KDALLHEH YV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.01 | -0.011 | t | 59353 | SLNFLGGT TVCLGQN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 95119 | MKKPGENI KPLSCKYSY PKH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.013 | 0.017 | 0.02 | t | 78213 | MVLVYYES IAYSF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135441 | AGLGAGIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135477 | LGAGLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 158723 | DTGCAIDIS RQELRCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 158938 | KTQNQGP WDEGRVE ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139632 | VKPLPSPD TD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159043 | NTFVVDG PETKECPT Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 149684 | EPAGSNR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159287 | KTQGHSY HLRRKNG VKHPVY | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144678 | GTQPTLEV VPMGRGS | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141955 | LTYLRGIST KVTVGNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144656 | GPTHAMF DSSGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138628 | SQKEVLER TRAELDTV C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144793 | SYGGRKGT HPGLEMP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 148701 | PAELMRRF ELYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 142480 | VAAVTEKL RAGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144654 | GPHPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144675 | GTHPFLSQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139475 | ATPRAHEV SE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153379 | EQEFTNIT DRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144673 | GTFCGGEE CMRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144763 | RIEDPPFN SLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144712 | KSLSSTEFI PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159296 | SFSKPSNS WFPVEGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153379 | EQEFTNIT DRV | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141786 | YGEESRR GDLAALAR RV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144598 | CFVGTHP QLRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 158838 | IHNDVEA WMDRYKY YP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135414 | AAAYKAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144779 | SGTHWFL AGCIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159026 | NLAIHSDL SYWIESRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134411 | IPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144705 | KGTHSLYS QIAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144809 | VLAPGGT HSRGLLE M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144676 | GTHPSLQF T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150204 | FHSVHTL LEWLMEK ELMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159173 | TTESGKLIT DWCCRSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159288 | LLHYSTISQ DNLDISFG ELQ | Aotus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144685 | HVGTHPM LQPSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141683 | KDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 148632 | IDSEELIN KKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144873 | ATWVDLV LEGDSCLTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135799 | YGKDVKDL FDYAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 142441 | LFSPWLRV QNH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144622 | EDVGSNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159085 | RYKYYPET PQGLAKII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141523 | ALEPPHNL PVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138765 | EEIKMDIS KLNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159284 | FSLRLMEE NWNAEKR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138893 | RHDSGYEV H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 156601 | ADEPNNL NSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 157189 | EFRHDSGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139525 | ISSQTNDT HKRDTYA ATPRA | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144799 | TLNLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144797 | TGGCTHG CLAVP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144756 | QVGTHPG LANDYEY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 142435 | KTDGKGEE SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134860 | AGPKAQV EAIQKY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144601 | CSGTHPSIS SC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159302 | YVLNSKLH NSRSFDKF KWIQ | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139935 | VIAIALFGT IATANAAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138527 | NYEVAYRG ILQR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150858 | ISSLYNLVK SS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138194 | IIPKSSWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122205 | VFTLPPPL PETH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122293 | CTYVLDP E NLTLKAPY EA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132849 | KKVLGEKT ENPKKFK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123849 | WQDE | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132200 | CGNRGPSL RTTTVTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118362 | FTQLNPTD GGSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123540 | NIFEYEVD AEPLRPCE LER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117773 | CNSRQTD REDELI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118391 | GVDQHND GSRAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122167 | PPPITQGE CKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131297 | FSLRLMEE NWNAEKR SPTF | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118740 | AKEASSYD YILGWEFG GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125400 | ELLKLLIEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 127643 | ERPLELRV RVLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119383 | VISCAKDA SGEEDEI | Oryctola gus cuniculu s |

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|---|------|---|---|---|-------|---|---|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132660 | SKAVHAD MGYWIES E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118141 | SKGRRFKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125063 | GDRAVYE NELVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131576 | NSRQTDR EDELI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131654 | SGFGVVKK PNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118867 | KLSQTSNV DKEEEAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124232 | GSITRDSIF RLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122721 | CSNSSSSQ FQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131500 | KAKAQTD REDLRTL LR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125454 | KDYKTMV KFCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125529 | PVEGPAVI CRCC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 131576 | NSRQTDR EDELI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122083 | DPNIKLV DDCWATS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122291 | CTYILDPEK LTLRATYD N | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125870 | EEEEEEEEEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125367 | ASSAFKAP RPGPETLQ FT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118898 | LSHIGDAV VISCAKD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118678 | WPLHDGG AVNRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125870 | EEEEEEEEEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123809 | VAVESRN GSRLHFNK | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125608 | YYKKHIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.001 | t | 125246 | RRQPHVM S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125246 | RRQPHVM S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123880 | YRVNLKFL PNETTSN | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125209 | QFQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118991 | RAEDNAD TLALVFEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122292 | CTYILDPEK LTRVPYK A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125246 | RRQPHVMS | Macaca fascicularis |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125575 | THDALKAVKLIKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132233 | DSGCVINWKGRELKC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122734 | DSVPKWDRLPC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122721 | CSNSSSQFQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125414 | FSEELVFSLRLMEEN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120598 | IARFKMFP EVKEKGM A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125021 | DWC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124069 | ELQIAKDE RYGS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122293 | CTYVLDPE NLTLKAPY EA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132390 | ISNELNHIL LENDMK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131295 | ECQEATL MVMVSK DLFGTGK | Callithrix pygmaea |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130524 | KFHPKDIP YQVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124713 | SGEQPSDE QPSGEHG | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 121065 | WLKVKILP EVKEKHEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132365 | HKYSWKS WKGAKIIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119208 | IEDEEGSGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117569 | LKYYLAPKI EDEEGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122202 | TSPPLLWD SVHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132727 | VTNEVHT WTEQYKF Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118830 | GWEFGGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123016 | AIYENEIHA LWADLP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118902 | LVFEAPNQ EKVSDYE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131374 | CKAKAQT DREDLRTL LRY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122947 | WTQEPQP LEEKWQH RVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131687 | SYPDNSYQ QPYGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122452 | KTTKQSF LSVKAQYK KNKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 123734 | SFSKASNS WFPVEGP ADICQ | marmos ets |

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|---|------|---|---|---|---|---|---|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125263 | SSSSQFQIHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125185 | NSSSSQFQIHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130524 | KFHPKDIPYQVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 121529 | LDAPGGMELSDTNRALQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122293 | CTYVLDPENLTLKAPYEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122293 | CTYVLDPENLTLKAPYEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102344 | DAEFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102344 | DAEFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112816 | PGKVCGSNLLSICKTAEF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101983 | PVYQQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102344 | DAEFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102510 | HHQKLVEFAEDVGSNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102344 | DAEFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 111915 | VHTGFGAMDFTTLQANKSEV | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110980 | QPLGVGISGHPLLNLKDDTE | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100437 | QPNNKRNQLWLRQLQTAGN | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109277 | GVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105232 | GSNKGAI GLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104851 | KGAIIGLM VGGVVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105859 | HARGNYD AAKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110920 | KPSPWAP KKHRRLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108848 | DEIDGVN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102069 | SKSSITITN KRLTRKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101554 | DPLAQQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106331 | DFMLTQP HSVSESPG KTVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101490 | ASGEVPVK PSEG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105232 | GSNKGAIL GLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 103839 | DAEFRHDS GYEVH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112603 | MIAATYNF AVLKLMG RGTKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112352 | TGNKYPGY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110652 | LCLIGCKPP IGEHWGK GSPC | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105971 | MVGGVVI AT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109325 | IDGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108378 | GFAGQAG PAGATGA PGRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 103839 | DAEFRHDS GYEVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113539 | IIPKVEGKT IAEQILQY GSM | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112625 | PSEATVYL PPVPVSKV VSTD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108897 | EIDGPAGQ AEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110126 | YIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107107 | EAIQP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110855 | FNRA GTV GENVPDD LYIKGS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102093 | STGSSDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108898 | EIDGPAGQ AEPDRAH YN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105763 | EVHHQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112316 | SIKNPTNA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108900 | EIPVDLL | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107852 | GEPQSSIIQ Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 105232 | GSNKGAI GLM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105497 | RHDSGYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 103998 | IVKWDRD M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112726 | YFPTPSGS MVTSDAQ IFNKP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101716 | HQPTPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 105232 | GSNKGAI GLM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102005 | QPDQHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108860 | DGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109348 | IPVDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100279 | LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 114011 | VTTVTTHN NPTFTDPS VLQP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100655 | YHSRYFT | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109624 | NHQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101962 | PEPVQEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106341 | DIQMTQS PSSLSASV GDRV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107166 | GPPGPQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104586 | NRVAPNV RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107181 | IDVEF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101546 | DLNPLDPL AQQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107269 | YKVIHAWL I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108861 | DGVNHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105207 | GAIIGLMV GGVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 112702 | VHTGFGA MDFTTLQ A | Cavia porcellu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105570 | VGGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100070 | GLMVGGV VIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108862 | DGVNHQHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110762 | AGSSIVPLE EYPAEIP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106321 | DAEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109905 | SEEEND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106321 | DAEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110862 | GGPTLVSL HELPAETP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104995 | SYSTTAVV TN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107242 | SQTTANPS CPEGT | Rattus norvegicus |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106322 | DAEFRHDS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107242 | SQTTANPS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79806 | EKPAKTYD DAAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72006 | VYEAADMI M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72485 | WGNGCGL FGKGSIDT CAKFA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74488 | YKPLGALT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71851 | VVTHEMA HALG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97177 | AELPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67214 | TVWRNRE TLMEFEET HATKQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63165 | TDHAGSN DNIALLVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79356 | RAVIWAW MWE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69244 | VKIPQHM HPLPI | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74037 | YGLFQKEK MVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71284 | VTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78627 | DPDPPDA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65409 | TNRNPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61124 | SSIVYEAA DMIMHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60595 | SQWNKPS KPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62779 | TAADTPTA TESISPSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72961 | WPQRVVT KKGRTFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72039 | VYHGAGS KTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65421 | TNSGINNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78687 | IRVRKRKG SNKKAEDT LED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74036 | YGLFHKEK MLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62779 | TAADTPTA TESISPSP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65205 | TMGIYFAT PEWVALN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75441 | YPYDVPDY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67875 | VCRQGVV DRGWGN GCGLFGK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74009 | YGGPANK KNAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71284 | VTEEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65205 | TMGIYFAT PEWVALN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61256 | SSNYCCEL CCNPACT GCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65000 | TLPERVRP PDDWAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.001 | t | 65205 | TMGIYFAT PEWVALN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63975 | TGTEKLIET YFSKNYQD YEY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 66075 | TRPHGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65050 | TLRVYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75371 | YPNQVYYR PVDQYSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 78635 | EKIERNNK LKQPPPPP NPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61801 | STNSGINN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69883 | VLYQEFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68969 | VIGHEITH GFD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62676 | SYPPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 62150 | SVIALGSQ EGALHQAL AGAI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75791 | YSLFQKEK MVL | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71353 | VTHESYQE LVKKLEALE DA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68042 | VDPTGLEP DDHLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 64074 | THSQWNK PSKPKTN MK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72504 | WGQGGG H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 52825 | QVYYRPV DQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49928 | PVPAPRRK VGSDCGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41537 | MFSGGGG PLSPGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40739 | LYDSYAYY G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40729 | LYDAAKAY AEQLKEN GVINY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56699 | SAAFYYRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48933 | PPTAPPLL PHSNL | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50637 | QELDCWH YQHYCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58077 | SGHRMA WDMMM NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46317 | NTWTTCQ SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45420 | NPNDPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.001 | t | 47730 | PGQAEPP QAFIDEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57569 | SENHGNY SAQVGAS Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57569 | SENHGNY SAQVGAS Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45416 | NPNANPN ANPNANP NENPNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50502 | QDPDNTD DNGPQDP DNTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48690 | PNPNDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 47730 | PGQAEPP QAFIDEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40167 | LTSGHLKC RVKMEKL QLKGT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51233 | QKPLK | Mus musculu s |

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|---|------|---|---|---|-------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.001 | t | 54393 | RKLWCHH FC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 54393 | RKLWCHH FC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49795 | PTTRTDDK LR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49450 | PSNQDSF QWQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51438 | QLLSSSKYT IQRSTGDN IDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56610 | RYPGQGS PGGNRYP PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58381 | SHLPYIEQ GMQLAEQ F | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51775 | QNTRNIVP VSIVSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50171 | PYSPSQDP YSPSPYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55799 | RSAPRITF G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55036 | RNNHPQN TSDSQKEA TD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49878 | PVGTPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59922 | SNTFINNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45327 | NPDREYDF RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40332 | LVFFAEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55193 | RPKPG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 47028 | PCKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50932 | QGPGAPQ GPGAPQG PGAPQG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48627 | PNEPDDAL AMRIIRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.001 | t | 60117 | SPLLGCIGS TCAEDGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 52042 | QQINHHW HKSGSSIG KAFTT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46899 | PAPRRKFQ QVKRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|-----------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53702 | RFFRDEKE LQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41232 | MDIDPYKE FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48620 | PNDPPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45252 | NNSTNSGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48382 | PLKPTKRS FIEDLLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57644 | SETFTNKL KEKHTDLG KEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56502 | RYAPACKP L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51483 | QLPQGTTL PKGFYAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50222 | QACKGKIQ ALCEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43242 | NANPNAN PNANP | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53681 | RFAKYQQ QGRLEAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51775 | QNTRNIVP VSIVSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43152 | NAGGNAG GNAGGNA GGNAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48618 | PNDPNRN VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49961 | PVSGPFGP LPSLAFSA VPAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43227 | NANDPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51958 | QPRKTKPV KSLPERK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46026 | NSVGANA PNADTIAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46026 | NSVGANA PNADTIAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45202 | NNNSTNS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53009 | QYNLAFSD RQSAQ | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43246 | NANPNAN PNANPN NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56599 | RYNLVFSG DSDRICSN RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 26372 | IHFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23511 | GYYPSPDP NTFYAPPY S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23511 | GYYPSPDP NTFYAPPY S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32719 | KPGKIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10801 | DWEDRYR RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18766 | GASEDVRK QP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19096 | GDRADGQ PA | Aotus griseime mbra |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24369 | HNDKRAD PAFVCRQ GVVDRG | Equus caballus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 26375 | IHFGSDYE DRYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11815 | EENVEENV EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32570 | KNNNSTN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11814 | EENVEENV EENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32571 | KNNNSTN SGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10496 | DTTIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 20051 | GGTHSQW NKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 17135 | FNCLGMS NRDFLEGV SGATW | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18833 | GAVVGGL GGYML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14869 | EVSEKII | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 24500 | HPSDGKC | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19868 | GGGWGQ PHGGGW GQPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15205 | FAKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32841 | KPPTPPPE PET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30180 | KDKDKDN TDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21867 | GQGGGTH NQWNKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31046 | KGQKPNLL DRLRHRK NGYRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 16018 | FGNDYED RYYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36166 | LGIMGEYR GTPRNQD LYDAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30716 | KFDWNTPD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 22305 | GSDYEDRY YRENMHR YPNQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 16101 | FHENWPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31018 | KGNCSGPT TIR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 30716 | KFDWNTPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | -0.001 | t | 16551 | FLDLMRA VA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30716 | KFDWNTPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHDA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23599 | HCLGKWL GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 27463 | IMDINKRK YDSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 12982 | ELDGSKNE WGWSKSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30186 | KDKKKKTD EAQPLPQR QKKQ | Homo sapiens |

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|---|------|---|---|---|-------|---|---|--------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11241 | ECFPWDR KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.001 | t | 11241 | ECFPWDR KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 27675 | INKRKYDS LKEKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14952 | EWSPCSVT CGKGTRSR KR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10358 | DTIASGSQ RSTNSAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 26075 | IFGFNALV DR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13984 | ERESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 25149 | HYAPRPC GI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHD A | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21469 | GNLLLSCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21469 | GNLLLSCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 33795 | KTNMKH MAGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4737 | ASREAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4789 | ASTAAPPY TNEQAYQ MLLAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9610 | DPDIGQSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9609 | DPDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9516 | DNNLVSG P | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8916 | DKKTEETT LLEDRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9757 | DPRVRGLY FPAGGSSS GTV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5771 | AYFLYQQ QGRLDKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9621 | DPEDSALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8226 | DEYSNQNFVHDC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5967 | CADARMYGVLPWNAFPGKVC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8748 | DIPFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5352 | AVGPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9722 | DPPPPNPNDPPPPNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6455 | CITQYERESQAYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4397 | ASFEAQGALANIAVDKA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 2039 | AINPESDQPDLSNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 2780 | ALNGNGDPNNMDKAVKLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6402 | CHPSDGKCN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8076 | DEKDDQMEEED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9722 | DPPPPNPNDPPPPNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8916 | DKKTEETTLLEDRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5597 | AVVGGLGGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8916 | DKKTEETTLLEDRL | Mus musculus |

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|---|------|---|---|---|-------|---|---|--------|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8644 | DIFTNSRG KRASKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 709 | ADLIAAQK LASKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3656 | APMSTPS ATSVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7754 | DDDIPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 3242 | ANDPPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6742 | CNYSKFW YLEHAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | -0.001 | t | 6742 | CNYSKFW YLEHAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7318 | CVTQYQKE SQAYYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 47315 | PEKAFREL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.011 | -0.011 | t | 73601 | YDVPDYAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.016 | 0.023 | 0.022 | t | 157341 | GQVEGRT YDAAMVA | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.014 | -0.007 | -0.009 | t | 134002 | AKLVTILQ AHPLQQS YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.014 | -0.007 | -0.009 | t | 134002 | AKLVTILQ AHPLQQS YD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.001 | t | 100508 | SGYEVHH QKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 33794 | KTNMKH M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 33794 | KTNMKH M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.01 | t | 43013 | MWLDVM YLKGGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 71855 | VVTLYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45322 | NPDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 108133 | SKTTTTPY TPGPTAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 133908 | PDTGISSK AM | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.03 | t | 133908 | PDTGISSK AM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 133908 | PDTGISSK AM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.07 | -0.063 | -0.07 | t | 121776 | RARARAR A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23193 | GVTYEIDL TNKNAAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 62824 | TADWYTIG VY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.013 | -0.01 | t | 18982 | GDGAAGQ PAGDGAA GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 44380 | NITRVESET KVVVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115602 | EEAAMELK VEDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 145921 | NPEIVIQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153463 | SLMHVYR DHSTSGG GS | Mus musculu s |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 134798 | SPTPTPGP SRRGPSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119535 | TQDLGYSR V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 93854 | SDSNLKDL TF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 25095 | HVSPTHYV PESDAAAK VTAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131888 | GISSPSPIN AFLSVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99976 | EEKELLNRI Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.003 | 0.007 | 0.011 | t | 115068 | KEKVNELS KDIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111156 | CMNKPAY AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 79512 | AIWYPHV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.009 | t | 59375 | SLNTGWL AGLFYQHK FNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.004 | 0.001 | 0 | t | 38199 | LNEEAER WVRQNPP GPN | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.023 | 0.02 | t | 118335 | EQLRILGEK EAKLAQQS QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0.003 | t | 131116 | TQSYPPPP AWRAASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.007 | -0.011 | t | 8360 | DGDGAAA MRYTEAR MTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.011 | 0.009 | t | 25538 | IDANDCLV TPSVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.054 | 0.053 | 0.057 | 0.06 | t | 78318 | YDSRPPED V | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 31894 | KLGVWKS PTDMQS WV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.014 | 0.01 | t | 118346 | FEYFPSHFF VPELEVTT C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 157429 | IQVYRSDV PVN | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.011 | t | 110113 | WYRQTM MRGLELLI YF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.011 | -0.01 | -0.01 | t | 57941 | SFVTRRYLS QLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.034 | 0.03 | 0.031 | t | 122917 | TKVYSTDIF FILEITDNP Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.007 | 0.008 | t | 55936 | RSQSRESQ CKLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.019 | 0.018 | t | 64770 | TLEEWESG KNPYEPRE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.013 | -0.012 | t | 51781 | QNVNRPS RADVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 115255 | FQINNKIW CK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 123316 | IKAYMESN R | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151064 | TPKGAIN SLPFQNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 122544 | QVIKMDLP QYEPRLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.023 | t | 144818 | YCAWPAC YGGGLPDS VKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149048 | FSTQKSI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149087 | NPTQSPP | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115680 | AKYIPIQYV L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79412 | TCLEVNW LTRMACM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47026 | PCKPLLRD DITFMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47026 | PCKPLLRD DITFMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 49079 | PQQPFCQ QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.01 | t | 66337 | TSNFRVVP SGDVVRFP N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.053 | 0.06 | 0.061 | t | 106494 | GYENPTYK FFEQMQN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.002 | 0.01 | t | 55293 | RPQDVKEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.008 | -0.008 | t | 14426 | ETIGTLKKI LDETVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | 0 | t | 118630 | TLNLEDVQ PHDLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.031 | t | 142480 | VAAVTEKL RAGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 48124 | PKPQRKTK RNTNRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.011 | 0.011 | 0.02 | t | 14278 | ESSSSDKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.042 | -0.03 | -0.027 | -0.03 | t | 156850 | APHNKWP HLNPP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.007 | 0.01 | 0.012 | t | 66658 | TTIPPSSP | Anas platyrhy nchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.02 | -0.021 | -0.019 | t | 131294 | DWGLPIPS PSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 137798 | AFRQQFQ YAVEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106306 | CIVRATKGI S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.02 | t | 79277 | KRDGYIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0 | 0.012 | 0.013 | t | 157111 | ASDACDKI RYQSLT | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.007 | 0.01 | t | 48610 | PNCRIHSD NDCKFTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 125423 | GKVLRFQK AFLTQLDE LTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.043 | 0.039 | 0.043 | t | 103117 | DTDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.011 | t | 121473 | KKAKAKAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0.003 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0.003 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | 0 | 0 | t | 100566 | TMYVQFR EFNLKDPP LNP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 139518 | HDASASL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115842 | LEELNVP G EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 133535 | CKPGEVQ QC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149064 | LAANLTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121676 | NVKVLLVA SPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121676 | NVKVLLVA SPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97691 | TKQPVLDF S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.001 | t | 117315 | KALSVETE KLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115890 | PIQYVLSRY P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 131412 | ERGLRYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.017 | -0.018 | t | 105971 | MVGGVVI AT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.001 | t | 35398 | LEDPASRD LVVSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.01 | t | 97188 | AGVATAT G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.057 | -0.039 | -0.05 | t | 104113 | MHVDAA WGGGLL MSRKHKW K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | -0.001 | -0.002 | t | 78638 | EKSLTSLSE VVLQNRRLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.009 | t | 58458 | SICGNNQL CKSICKT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 58458 | SICGNNQL CKSICKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.001 | 0.007 | 0.002 | t | 122732 | DRKASPPS GLWSPAY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.011 | t | 21466 | GNLLFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.02 | t | 141568 | VFPKDKEG RALQKFLG TIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.039 | -0.039 | -0.038 | t | 34896 | LAPEAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.039 | -0.039 | -0.038 | t | 34896 | LAPEAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.023 | 0.021 | t | 94646 | PPKVPPDL MS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.019 | t | 144807 | VFSYIPWS EDKGEITA CGIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.023 | -0.02 | t | 82909 | GTDSGWG NRQSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.032 | -0.023 | -0.02 | t | 82909 | GTDSGWG NRQSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56060 | RTGLDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.012 | 0.02 | 0.02 | t | 100086 | GTGNLELV AVRKEQQ QRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | -0.001 | 0.02 | 0.023 | t | 26169 | IFSTYADN QPGVHIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.01 | -0.01 | t | 83789 | IPALTAAET GHTSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 115192 | CKEVVRN ANEEYSI GSSSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 127713 | KNWTTPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 117096 | TLSQDQSE TLNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110620 | GQAGEPGI AGFKGDQ | Mus musculus |

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|---|------|---|---|-------|-------|--------|-------|-------|---|--------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117384 | TPRLNTAT LWIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 75391 | YPQPQFPF SQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 75391 | YPQPQFPF SQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 75391 | YPQPQFPF SQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153355 | ACWLPLTR LCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107679 | VVSVLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99464 | LVALALFLL AAHASA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102722 | PNKPVEPT YEVIPTPT DPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119450 | FRKADKFP M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78305 | WHSMFAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.008 | 0.01 | t | 98977 | RCLQSCQ QEPDDLK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 77920 | IPPFLYKNF WWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.019 | 0.041 | 0.05 | t | 14278 | ESSSSDKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 159026 | NLAIHSDL SYWIESRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.011 | 0 | 0.002 | t | 111286 | FPDTSFYN PDTQRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.011 | 0 | 0.002 | t | 111253 | ENDEIDGV NHQHLP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.068 | 0.059 | 0.06 | 0.06 | t | 64573 | TKGENFTE TD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.016 | -0.012 | t | 68001 | VDKRHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.033 | -0.04 | t | 134926 | ENPVVHFF KNIVTPRT P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.054 | 0.04 | 0.037 | t | 303 | AALTKAIT AMTQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.019 | -0.03 | t | 132092 | SVSGWGD PKPALRW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.021 | -0.017 | -0.021 | t | 99194 | EFVDRLLS QIKSEGH | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.024 | 0.02 | 0.02 | t | 61578 | STEGNVTG MFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.032 | t | 66977 | TVDNSAST KNKDKLFT VWK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.013 | -0.018 | t | 108895 | EGNVFSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.041 | 0.041 | t | 79056 | QSIGDLIAE AMDKVG EGV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105141 | DPT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105141 | DPT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138259 | WANKQPT IIWRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.01 | t | 126341 | ITGHCQG DGYRVGF G | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.017 | 0.013 | t | 122482 | LVDRKTGS QYDIQDAI DKGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.022 | t | 29378 | IVNTLNEIY RYLYVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140859 | GQRRADA VKGYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.024 | -0.021 | -0.018 | t | 36890 | LKIKIASGF GPLITH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48685 | PNPLGFFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.048 | 0.045 | 0.033 | 0.038 | t | 136328 | GPYDTPM FSLNM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.023 | -0.02 | -0.02 | t | 66841 | TTTCFRDT DTGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.003 | 0 | t | 57277 | SDSDNDG VCDNVDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149424 | QESTYQLV QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149424 | QESTYQLV QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105282 | LENDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.009 | 0.008 | t | 138097 | YPYPLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153263 | HAGTFLQ VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153274 | NLSTSNPL GFFPDHQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 128102 | SGEVSGN WGLLDQV AALTWV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117341 | PGSALLFDI PEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135747 | RAEAVFPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78279 | TKIPAVFKI DALNENK VLVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.042 | t | 141680 | ITKHNDDE QYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 131952 | LLPDPSAP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.014 | -0.02 | -0.021 | t | 72891 | WNKPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | -0.002 | t | 9953 | DRCGEDD HDELGFM VP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.043 | -0.041 | -0.04 | t | 67297 | TWSGKFP T | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 149415 | PQQLPQFE EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 96209 | EDKDEDEE DE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.048 | -0.06 | -0.065 | t | 137941 | PFRSYTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.003 | -0.008 | t | 132268 | ENGYLME AAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.013 | 0.01 | t | 56209 | RTVLEPIR DALNAMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.024 | -0.017 | -0.018 | t | 42475 | MRKTKLA PTVAHGV F | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.024 | -0.017 | -0.018 | t | 42475 | MRKTKLA PTVAHGV F | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.041 | 0.033 | 0.03 | t | 111486 | LIEESAIINA GAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.041 | 0.033 | 0.03 | t | 111486 | LIEESAIINA GAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 10801 | DWEDRY RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 140460 | EKLKHS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70549 | VQEGVQQ EGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 5582 | AVTRGTIN DPQRAKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.013 | 0.012 | t | 49557 | PSVYAW E RKKISNCV AD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.031 | 0.02 | 0.02 | 0.018 | t | 156889 | HNRKCDY YIAECNVM P | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.01 | -0.01 | t | 141070 | PSLRDIFA W | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.019 | -0.02 | t | 20285 | GIGSAVVS FAIKWE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21755 | GPRLGVRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.054 | -0.05 | -0.05 | t | 9657 | DPKHVCV DTRDIPKN AGCFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.009 | t | 122173 | QSIQQSIE RLWCRLW PLPFP | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.037 | 0.031 | 0.027 | t | 50820 | QFVEFYEK VTGTDLELI QIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.002 | 0.01 | 0.012 | t | 33077 | KQSYAATV ATAPAVKY TVFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.009 | 0.008 | t | 8356 | DGAVQPD GGQPAVR NERA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135908 | DINTVTTV AQSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135769 | TQSTQSFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123124 | EFKSRIEDL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 127956 | EELTAGSG LREDLLSL QEPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111172 | CTHPEILFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141546 | LKTRKLFW KYKD | Rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 120138 | PTPVLVWI YG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123240 | GLDLPNLP Y | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 158600 | MFNWHP F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 11814 | EENVEENV EENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.014 | -0.01 | t | 36576 | LIKIFQDHP L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20051 | GGTHSQW NKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 70975 | VSHDRHFL N | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.035 | 0.04 | 0.041 | t | 116468 | RPQDENP VVH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 117662 | TVTSAQKN PIAFYLCA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 149415 | PQQLPQFE EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.018 | t | 99008 | SMPVNTP GQFEDFFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 54545 | RLGAALLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.007 | t | 130583 | QCQTFGK TMLCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124023 | DPAQPPR DLTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 104205 | QHNPINA GTELSATG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46550 | NWNFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.055 | 0.047 | 0.05 | t | 59593 | SLYELTH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.027 | 0.028 | t | 98808 | GTGNLELV AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.102 | -0.109 | -0.097 | -0.097 | t | 96141 | CGLRAPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.021 | 0.02 | t | 153251 | AKAFSYW TPFDGKSL YSST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.021 | 0.027 | t | 130814 | ERSDSM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.01 | 0.01 | t | 107264 | VFGTGTKV T | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 38304 | LNPKTNK WEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.036 | -0.037 | -0.04 | t | 97322 | GASIGWK AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 48345 | PLGLRSEF PI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.023 | -0.02 | t | 66932 | TVAEEHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.024 | 0.017 | 0.02 | t | 6068 | CCPDKNKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 51967 | QPSKPTTK QRQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.029 | -0.02 | -0.019 | t | 78635 | EKIERNNK LKQPPPPP NPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 133669 | QQQQQQ QQQQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 151944 | KFPSESRP NVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123076 | DFMLYETL D | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112392 | VTMTCKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 98986 | RKIRPEGR EGEQEWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 148886 | QQSFPLQP QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138835 | CLNSFLRS C | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114901 | NCSSYANT TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114917 | PMNCSSY ANT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110586 | GAPGNRG FPGQDGL A | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79570 | IHAHTTSD PWHPPGP LGLKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.017 | 0.01 | t | 125453 | KDRLQGM APAAGAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.02 | 0.018 | t | 118285 | DAYVLLSE KKISSIQSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.009 | 0.01 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.003 | -0.008 | t | 124068 | ELMALHT GQSLEQIE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.042 | t | 18494 | GAAAAGA VVGGLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.013 | 0.012 | t | 98980 | RELSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.009 | 0.01 | t | 82034 | FFVQYGG AYKRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.039 | -0.04 | t | 67305 | TWYFN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.047 | 0.06 | 0.061 | t | 9789 | DPTSPDDI ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.013 | 0.012 | t | 70437 | VPPTQSKK KNKNET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.04 | t | 125011 | DFHFEVFN FVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132431 | LGFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38683 | LPRRGPRL GV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.011 | -0.02 | -0.022 | t | 70729 | VRGLYFP | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.027 | -0.027 | t | 115559 | WLGHPDK FVGITY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.04 | 0.04 | t | 63878 | TGLDFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 610 | ACYLPFQL SCGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.03 | 0.03 | t | 100426 | QKLVFFAE DV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.022 | 0.02 | 0.02 | t | 3325 | ANKEGIV WVATEGA LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 34351 | KYALADAS LKMAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115408 | NVPGEIVE SLSSESIT RI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.032 | 0.014 | 0.02 | 0.02 | t | 31521 | KKEFLNSY EDEFSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103693 | VFGGAAS CAAPIQAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103931 | GKLPKMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 22237 | GRVILSGK PATIPDRE VLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136568 | PYYRVFYK YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101554 | DPLAQQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101554 | DPLAQQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99333 | IIEAMSEGI KVMIGK | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78064 | VPLSPTME FMRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70667 | VQWMNR LIAFAFAG NHVSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.021 | 0.01 | 0.008 | t | 111439 | KAGGIEQN FGLFYPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.021 | 0.01 | 0.008 | t | 111439 | KAGGIEQN FGLFYPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 27985 | IPPSSPPQ | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 140892 | QILDAHAA YLNATPAA KVLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 137742 | DTPLTHAG LKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.03 | t | 61971 | STVGMTPT KYCGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | 0.009 | -0.023 | -0.03 | -0.03 | t | 61971 | STVGMTPT KYCGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.008 | t | 7375 | CYGLPDSV KIWTSET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.008 | t | 7375 | CYGLPDSV KIWTSET | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.039 | -0.029 | -0.03 | t | 15959 | FGCTWMT NSTGFTKV CGAPPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 26293 | IGPEKAFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.026 | 0.04 | 0.041 | t | 47995 | PITEAAET ATTEVPVE KTEE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.02 | t | 106472 | GPSDPAH KAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.007 | 0.019 | 0.02 | t | 78944 | DADGDGH GWKPGNA PGIAGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.016 | 0.012 | t | 106990 | VYATRSSA VRLRSSVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.042 | -0.031 | -0.03 | t | 26294 | IGPEKAFR EL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.04 | -0.04 | t | 68157 | VEEEIYQC CNLEPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.012 | t | 79928 | MDRPTSM KALDH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 106342 | DIVMTQSP DSLAVSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117112 | WPMNDD STRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117112 | WPMNDD STRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 120423 | CDLPQTHS LGSRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.003 | -0.011 | t | 122512 | PEPAKSAP APKKGSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.014 | -0.007 | -0.008 | t | 1386 | AFRELADA LL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.013 | 0.03 | 0.032 | t | 96098 | ANEEIRKR NA | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.063 | -0.049 | -0.05 | t | 12944 | ELAKLRAG KASDSQTP DT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23190 | GVTYEIDL TNKNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156929 | PGPRFF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.037 | -0.02 | -0.016 | t | 145726 | CKQAGTC PPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 127677 | GTNTAQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 131683 | SVKVTCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123077 | DFMVYEA LD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115847 | LLYQEPVL GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 151056 | SQLKNN KEIGNGCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149064 | LAANLTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133656 | NLGEKYNT LSLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127682 | HFHRPYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111563 | MPVNDTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78226 | PFTNLAHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 77874 | FLPTSPTGL RIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.001 | t | 79622 | NYARTGG QVTAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115309 | KFPQYLQY LYQGPIVL NPWD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | 0.001 | -0.01 | -0.01 | -0.012 | t | 156887 | HKYLYCTG KCNTKA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.01 | -0.01 | t | 79775 | DDATVAIR SAINNLI VIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.019 | 0 | 0.004 | t | 20088 | GGWGQP HGGGWG QG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.01 | t | 122205 | VFTLPPPL PETH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.016 | -0.02 | -0.023 | t | 153284 | PTPLSPPLR NTHPQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 104226 | RPQDVKEP GGGQIVG GVYLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 131579 | PDIITGFSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.043 | -0.04 | t | 133836 | GKKRKRSR KE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.036 | -0.037 | -0.04 | t | 144614 | DMMYGG MRGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.039 | 0.04 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.039 | 0.04 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.007 | t | 146986 | GNGPGYA LGGGSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 105540 | TDNELA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 15981 | FGGETFTP DWMMEV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.029 | 0.027 | 0.028 | t | 98174 | KNETPEVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | -0.001 | 0 | t | 130990 | NVLRGMG GAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.052 | t | 135497 | RYPNQVYY RPM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45405 | NPNANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45405 | NPNANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70351 | VPKPQG PLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70667 | VQWMNR LIAFAFAG NHVSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.008 | 0.003 | 0.001 | t | 11775 | EELVEEVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.024 | 0.02 | 0.02 | t | 93854 | SDSNLKDL TF | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 138083 | VYPSKTQP LQHNNLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.011 | -0.01 | -0.01 | t | 67932 | VDEKNM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.04 | t | 4455 | ASHLPYIE QGVQLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 141046 | KEVTVVTT S | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.002 | -0.009 | -0.012 | t | 10377 | DTKCSSTG LVAA | Myodes glareolus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.002 | -0.009 | -0.012 | t | 10377 | DTKCSSTG LVAA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 143673 | DRANLGT L RGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103040 | ALTGLGDK FGESIVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 70427 | VPPRRKR TIQLDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 70427 | VPPRRKR TIQLDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115938 | RDMPIQA FLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.043 | 0.051 | 0.05 | t | 42494 | MRQLDTN VERRALGE IQNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.017 | 0.02 | t | 75881 | YSRPVSA NGEPTVKL YT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.02 | t | 35098 | LCSGGYTV SKSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.019 | 0.02 | t | 137923 | LMDAAVD VFADG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 130924 | KLFPEEDE MRTETQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.02 | -0.009 | -0.008 | t | 58403 | SHRGIAD NQAKWA V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.031 | 0.03 | 0.03 | t | 22894 | GTYETGNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.002 | 0 | t | 78979 | GIPASWKT IDADGDG HGWKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 130356 | YCRSGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.03 | t | 118497 | LNGKNIED VIAQGIG | Homo sapiens |

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|---|------|---|---|------|-------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.031 | t | 108131 | SKDWSFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57299 | SDTRGDP VFNLPFQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 119519 | RKVVQTSLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159296 | SFSKPSNS WFPVEGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 159284 | FSLRLMEE NWNAEKR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 148701 | PAELMRRF ELYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141523 | ALEPPHNL PVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141935 | KKPGGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 148632 | IDSEEELIN KKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144742 | PFYGYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 142435 | KTDGKGEE SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141683 | KDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144641 | FFENKD | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150858 | ISSLYNLVK SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141685 | KKTEETLL EDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 142913 | MVLNEG SGTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 151493 | VVDGPETK EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 138194 | IIPKSSWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150855 | HPGGSQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136443 | KSMINAYL DKHPLMT VRKIH | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144610 | DFFTYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135569 | KTNMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134860 | AGPKAQV EAIQKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141777 | VVDSEDLP LN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136719 | VIKHMRF HADYQAP FLGGGY | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150854 | HPGGQQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135569 | KTNMK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136720 | VIKHMRF HVDYQIAF LGGGY | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144798 | TKYTM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 156601 | ADEPNNL NSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 134795 | SFGAYGA QEEAQC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135569 | KTNMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118141 | SKGRRFKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117530 | IEFRSDA ESSDGEDF IVEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125238 | RLPLPPNQ KR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 125246 | RRQPHVM S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118431 | ISDAMKKV GRKGVITV KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118285 | DAYVLLSE KKISSIQSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | -0.001 | t | 125246 | RRQPHVM S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125256 | SLRGRGNT LGLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118435 | ISKGANPV EIRRGVML AV | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120869 | PGYRSISG PDPRIKRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 121773 | QYVAMVA DRLFLY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118867 | KLSQTSNV DKEEEAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118678 | WPLHDGG AVNRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 129732 | RERRGIAL DGKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 121065 | WLKVKILP EVKEKHEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118633 | TNSFNDSG SAPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118275 | ATVLARSI AKEGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131671 | SPPPYVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125455 | KEGNLLIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118362 | FTQLNPTD GGSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118451 | KGIIDPTKV VRTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122205 | VFTLPPPL PETH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125476 | LFDYFIVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122202 | TSPPLLWD SVHL | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117940 | KARIHPFHI LIALETYKT GH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132849 | KKVLGEKT ENPKKFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122167 | PPITQGE CKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122083 | DPNIKLV DDCWATS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125052 | FSLRLMEE NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118490 | LKDKYKNI GAKLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118991 | RAEDNAD TLALVFEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 131381 | CTYVLDPE NL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 107852 | GEPQSSIIQ Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113281 | ARTAHYGS LPQKSHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 98986 | RKIRPEGR EGEQEWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99738 | TVRGGLRI LSPDRKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 98765 | EPDDLKQK ACESRCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106322 | DAEFRHDS G | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101716 | HQPTPAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108897 | EIDGPAGQ AEP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108382 | GGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110762 | AGSSIVPLE EYPAEIP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108382 | GGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102093 | STGSSDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115630 | NFDKLYIW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113875 | SNRRPSTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102005 | QPDQHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99619 | RLVLRRNA LRRPFYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 98982 | REREREED WRQPRED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99775 | WELQGDR RCQSQLER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102423 | FEYQD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 113742 | QDENPVV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99097 | AGVALSRL VLRRNAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Oryctolagus cuniculus |

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|---|------|---|---|---|---|---|---|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113742 | QDENPVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 116731 | GLGESRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99922 | DAEFRHDS GY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113517 | HLYADGLT D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115271 | GQKGRGS RG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101546 | DLNPLDPL AQQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115652 | SSRISYWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101962 | PEPVQEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 104461 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 103830 | CHAVKVG NPSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 116704 | ERIQWVG DPHRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113679 | PEVPEVED E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 113742 | QDENPVV | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101983 | PVYQQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110948 | MVTSDAQIFNKPYWL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 114132 | KSHGRTQDENPVVHF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99008 | SMPVNTPGQFEDFFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101984 | PVYQQQP VQQPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99451 | LRRNALRRPFYSNAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 114126 | HYGSLPQKSQRSQDENPVV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101558 | DQPDQHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108898 | EIDGPAGQAEPDRAHYN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106322 | DAEFRHDSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 110920 | KPSPWAPKKHRRLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | -0.001 | t | 110980 | QPLGVGISGHPLLNLKDDTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 101554 | DPLAQQS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 111050 | VGPLDIVPEVADPGGPTLV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 99134 | DAEFRHDSGYEVHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95014 | GRLIELSQEG | Rattus norvegicus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60595 | SQWNKPS KPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 64682 | TKTDVALA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 80063 | VDEDEDSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97177 | AELPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97231 | CNTKCQTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 81130 | DLFHVNG RDTMNIIV DENKY | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63037 | TAVSPTTL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61801 | STNSGINN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68969 | VIGHEITH GFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65409 | TNRNPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 65409 | TNRNPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72503 | WGQGG | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72961 | WPQRVVT KKGRTFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69462 | VLELAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 81131 | DLFHVNG RDTMNNI VDENKY | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74488 | YKPLGALT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97301 | FFWTILKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68042 | VDPTGLEP DDHLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65000 | TLPERVRP PDDWAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65421 | TNSGINNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79782 | DNDGPVA AGEARPVP EEYLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75441 | YPYDVDPDY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 80102 | YDDAASES SDDDDIDA LI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39164 | LRPGPVSQ PYHHWDT DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49928 | PVPAPRRK VGSDCGS | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40000 | LTKTDVAL AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58916 | SKPKTNM KHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40332 | LVFFAEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 44227 | NIFSGFTPE FLEQAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55115 | RPAPPKPT PQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58038 | SGFTPEFLE QAFQVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55193 | RPKPG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43227 | NANDPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43993 | NGGVMKE KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40739 | LYDSYAYY G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55232 | RPMIHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 52825 | QVYYRPV DQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 52012 | QQEQQFK RELRLNPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56610 | RYPGQGS PGGNRYP PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50637 | QELDCWH YQHYCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55365 | RPVDQYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45420 | NPNDPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48690 | PNPNDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 44498 | NKGVNPD E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37690 | LLPSRRGD QLTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 54393 | RKLWCHH FC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46899 | PAPRRKFQ QVKRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53009 | QYNLAFSD RQSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 50846 | QGDRRCQ SQLERANL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45252 | NNSTNSGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49967 | PVSLGGDV PNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57644 | SETFTNKL KEKHTDLG KEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49961 | PVSGPFGP LPSLAESA VPAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53702 | RFFRDEKE LQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 45202 | NNNSTNS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56599 | RYNLVFSG DSDRICSN RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46026 | NSVGANA PNADTIAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 20735 | GKYREDFQ MDEGDPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10801 | DWEDRYR RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18036 | FTPFYYQS SRTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 13984 | ERESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31105 | KHFRETEV | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 15529 | FEFPPPT DE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 28085 | IPTGGIQR GGRGPCQ RQQRS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 20051 | GGTHSQW NKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21867 | GQGGGTH NQWNKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 16043 | FGQIFRPD NFVFGQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32865 | KPRPQPTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14191 | ESKVQDII DLIDH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 16551 | FLDLMRA VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 22305 | GSDYEDRY YRENMHR YPNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19722 | GGERRRPP LGVREGR GRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23465 | GYSLFQKE MKTLNEG TSGTA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10868 | DYEDRYR E | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 30716 | KFDWNTPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14994 | EYEKWVKDPYQPTRAVSLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10868 | DYEDRYRRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 35252 | LDPHAFHLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 22305 | GSDYEDRYRENMHRYPNQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32848 | KPQGSPPASQKEAIRD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 20680 | GKSKRDAKNNAAKLAVDKLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10868 | DYEDRYRRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11241 | ECFPWDRKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21601 | GPEET | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 21602 | GPEETGPEETGPEET | Oryctolagus cuniculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 19868 | GGGWGQ PHGGGW GQPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 33795 | KTNMKH MAGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21602 | GPEETGPE ETGPEET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18833 | GAVVGGL GGYML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 16387 | FKKDEIDM SFETNKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11463 | EDVNGIRK PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 32657 | KPAPKPTP PKPAPKPA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 33794 | KTNMKH M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5597 | AVVGGLG GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6455 | CITQYERES QAYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 709 | ADLIAAQK LASKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8076 | DELKDQM EED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 2894 | ALSRLVLR RNALRRP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8644 | DIFTNSRG KRASKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5865 | AYLSPIDLN QLAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7318 | CVTQYQKE SQAYYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6764 | CPFLPKPK VASEAFM STNKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10227 | DSSAHGTP STPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0.001 | t | 149681 | ELAEAKVL ANRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.017 | t | 106316 | CSGTTKLS EEVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.009 | -0.011 | t | 149299 | ELDKWKSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.039 | 0.047 | 0.05 | t | 42646 | MSRIAAG DLESSVDD PRSEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 122387 | GVGARLPE QPPPFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.029 | 0.03 | 0.03 | t | 133611 | IVSYLCDLA PEAPPPTL PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.035 | -0.021 | -0.02 | t | 68813 | VGVIKSIAP ASKNL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 135576 | LRYSTGTV SG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 150998 | ILGNPECE SLSTASS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79254 | ICADDEE WYSAMCA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149088 | NQTQHSV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149078 | NITQEAF | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140897 | RADAVKG YLAGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 24283 | HLPYIEQG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115895 | PPFLQPEV MG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110584 | GAPGFPG PRGPPGP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79674 | VPVRLAGV GFESKIVD GGCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 112142 | GQSPKLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.013 | -0.012 | t | 54079 | RHPHPHLS FMAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0 | 0.003 | t | 56102 | RTLDQQYK EVKRETDL SHVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.001 | 0.011 | 0.01 | t | 6777 | CPKDELRP LEKVLESKT RAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.001 | -0.001 | 0 | t | 1257 | AFASNRTF DITVSGLG TAPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133531 | CDTLKPGE C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.003 | -0.01 | t | 119477 | KKTKGLVT T | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.023 | -0.021 | t | 94573 | KRIPNKKP GKKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | 0.003 | 0.002 | t | 98737 | DPIELINLC TNALG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.042 | 0.04 | 0.041 | t | 95008 | EDVFQNG FTAW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132241 | DWRKNID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 47689 | PGKKTTTK PTKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36427 | LHSTSSDG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.01 | 0.01 | 0.01 | t | 123654 | QETPATKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.036 | 0.03 | t | 53145 | RALEDGIN FA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48596 | PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | -0.001 | t | 9526 | DNPASTT NKDKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.01 | t | 53355 | RDGQLTIK AERTEQKD FDGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.008 | 0.011 | 0.01 | t | 53355 | RDGQLTIK AERTEQKD FDGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.009 | 0.01 | t | 12415 | EIDGPAGQ AEPDRAH YNIVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 142304 | SVTLVEAY TDVFDDT QVEMI | Felis catus |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151058 | STASSWSY IVETPSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 118762 | CYGSFAKP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 118762 | CYGSFAKP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 118762 | CYGSFAKP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112387 | VLYSSDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 41332 | MEECGSH LPYIEQGM QLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144665 | GREGYP A DGGITCFL TAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 32984 | KQGGENF AYLTAYQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109348 | IPVDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | -0.004 | 0 | t | 32809 | KPNNDFH FEVFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135588 | QESYSSKK LCT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.02 | -0.01 | -0.009 | -0.01 | t | 55666 | RRPEGRT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 153379 | EQEIFTNIT DRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 50528 | QDVLDKN HVADIDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 30473 | KEKLQKTY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.012 | t | 75222 | YNSSRSYW T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.048 | 0.037 | 0.038 | t | 67323 | TYDNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.011 | t | 73634 | YEDRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 156905 | KPGDPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 19275 | GEGAVQ WMNRLIA FASRGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.013 | 0.012 | t | 55581 | RRGPRLGV RATRKTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.002 | t | 26374 | IHFGSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.019 | 0.023 | 0.021 | t | 1497 | AGEPYVIE QGMMDP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.032 | t | 107345 | EQRRAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 135895 | ALLRCIPAL DSLTPANE DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.013 | 0.027 | 0.021 | t | 139496 | ESSRDGSR HPRSHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111141 | CAKVVQA DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153352 | ACVLPWS HVCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149107 | SLAPRFPW LNPLDGW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 158290 | SQQAPAV PPLPQ | Canis lupus |

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|---|------|---|---|-------|-------|-------|-------|--------|---|--------|------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 120181 | RRATQLA HLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 120181 | RRATQLA HLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 120181 | RRATQLA HLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 120181 | RRATQLA HLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 157127 | CFNLFLNS QEKHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113774 | QQGQQP GQGQPGY Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112309 | SGFSLTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115442 | QKVAGTW YSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 133528 | CADQKPG EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144820 | YLEDWIKY NNQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74036 | YGLFHKEK MLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 74009 | YGGPANK KNAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75791 | YSLFQKEK MVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75791 | YSLFQKEK MVL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10037 | DRPVPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 8133 | DEQFIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.037 | 0.029 | t | 125607 | YVSIDVTL QQLESHSF YNLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.076 | -0.08 | -0.073 | -0.081 | t | 134147 | LPKGVKHL KDFPILPGE IFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 117752 | APPPGMR PPM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.022 | t | 68041 | VDPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.007 | -0.01 | t | 124068 | ELMALHT GQSLEQIE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.067 | 0.066 | 0.07 | 0.071 | t | 58074 | SGHNYINE IEATSSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.011 | t | 131628 | RGYDSYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 109252 | GSLPQKSQ RSQDENP V | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.018 | t | 115760 | GLNYYQQ KPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.021 | 0.02 | t | 50215 | QAAPYIEQ A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 117240 | TLKNREP VQLETLSI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.006 | -0.01 | -0.01 | t | 110257 | GNPGADG I | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 34243 | KVVQLPKI SKNALKAN G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 926 | AEGEFKTR RNTNYQD PAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 926 | AEGEFKTR RNTNYQD PAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70521 | VPYVKRVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94441 | CCHPAC | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.039 | -0.04 | t | 43179 | NAIRMISD QR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.018 | t | 66759 | TTPDRQA AC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.033 | 0.035 | 0.047 | 0.041 | t | 55187 | RPKHPIKH QGLPQEV L NENL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.013 | -0.017 | t | 48751 | PPATVYRY DSRPPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.046 | 0.06 | 0.067 | t | 952 | AEGQLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 70389 | VPNLRGDL QVLAQKV A | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 70389 | VPNLRGDL QVLAQKV A | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.007 | -0.011 | -0.012 | t | 49393 | PSGYCGRE CGIKKGS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 135786 | VNSTELET | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 139612 | SRGSESGIF TNTKES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115235 | EQQQTED ELQDKIHP FAQTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 115611 | GSLPQKA QRPQDEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 115611 | GSLPQKA QRPQDEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | 0 | t | 115611 | GSLPQKA QRPQDEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156424 | QQEEGRQ QEQQQG QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79545 | FGGDADR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 86716 | NFNSNNY TYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0.001 | 0.002 | t | 64697 | TKVTLDGR PL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137557 | QNFAVVK RAREERFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6228 | CFIRPAGF CDGYCKT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 4330 | ASARGDLA HLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.065 | -0.06 | -0.06 | t | 132846 | KAKRLHLS PVRLAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.017 | 0.019 | t | 134075 | GWGQGG THSQWN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0 | 0 | t | 144364 | ITDAVITVP AYFND | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | 0 | 0 | t | 144364 | ITDAVITVP AYFND | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.011 | t | 122733 | DSKPTIISR AN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.061 | 0.06 | 0.061 | t | 119220 | ISCAKDGG IPEQEYSC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 22716 | GTIVIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.041 | 0.041 | 0.04 | t | 65428 | TNSKGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.012 | t | 150978 | EKNVTVTH SVNLLED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 50180 | PYVEPTAP QVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.009 | 0.01 | 0.012 | t | 141560 | SDEALPPG SPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 69175 | VKAETRLN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.048 | t | 145149 | DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 11872 | EESDDDM GGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.007 | -0.01 | t | 10149 | DSITWQL QAAVLHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 79032 | NST | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.02 | -0.023 | t | 117591 | NTHLKAVK MTLKN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153828 | ERAEERAE TGESKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108860 | DGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 32115 | KLQPGDD P | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127818 | SDFGKFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 12625 | EKAFREL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.01 | t | 134199 | PVQCSR D VVICPD TS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.01 | t | 134199 | PVQCSR D VVICPD TS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.007 | 0 | 0.002 | t | 51866 | QPKSAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 137967 | RLTLIANG YRDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 130780 | EAEDYDD DLTDSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.01 | t | 149442 | QQYPSGQ GFF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.018 | t | 135939 | IPVLDENG LFAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.007 | t | 70385 | VPNLRGDI QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156936 | PMPRFF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.017 | 0.02 | t | 52106 | QQPQQSF PQQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105651 | AEFRHDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.011 | 0.011 | t | 133775 | AETNRAPFDLAEAE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | 0 | -0.002 | t | 156896 | KHTSLAS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 139809 | LPLTPRS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 122254 | AGETKPSSSLSIGSIISKSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 122254 | AGETKPSSSLSIGSIISKSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 131769 | YDSYAIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47120 | PDKEILYEA FDEMEEC ASKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115177 | ALINNQFL PYPYYAKP AAVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.055 | -0.04 | -0.038 | t | 9657 | DPKHVCV DTRDIPKN AGCFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 108125 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 55671 | RRPFNIGI NNQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111831 | TISRTGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.042 | 0.03 | 0.028 | t | 18766 | GASEDVRK QP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.049 | -0.043 | -0.04 | t | 113907 | TAPRPRVGLY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.046 | 0.05 | t | 118563 | PVTTPEEIA QVAT | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 122471 | LLTEHRMT WDPAQPP RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 122471 | LLTEHRMT WDPAQPP RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.014 | 0.009 | t | 134140 | LLIIFKNQA SRPYNIYP HGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.014 | 0.009 | t | 134140 | LLIIFKNQA SRPYNIYP HGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.008 | t | 72484 | WGNCGCL FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.004 | 0.01 | 0.01 | t | 31773 | KLCKGTAP FGVAFGNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 48331 | PLGFFPDH QLDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.037 | -0.04 | t | 144619 | DYIWNTL NSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 58082 | SGIGPEKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132481 | MMPVGP APGM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.025 | -0.01 | -0.008 | t | 43226 | NANANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.019 | -0.02 | t | 149434 | QPQPFLP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.007 | 0.01 | t | 28143 | IQDTYTQK LS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 73432 | YARFMDT DPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.017 | t | 66759 | TTPDRQA AC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.018 | t | 100479 | RNSWNCD FSQTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.017 | 0.018 | t | 100479 | RNSWNCD FSQTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.019 | 0 | -0.001 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.02 | t | 94914 | RELADALL E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.021 | 0.019 | 0.018 | t | 44871 | NLSGPAAV TARIKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.075 | 0.08 | 0.082 | t | 20174 | GHQVGDD E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.027 | 0.03 | 0.03 | t | 34290 | KWEDSTST LTISADSKK TKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 114814 | ESNGTLTL SH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153338 | ACPNFELH WCGGGS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142408 | DQVTKKEK KTIKKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144706 | KITCFLTAG GGLPDSVK I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98626 | YEAALKQY EA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98626 | YEAALKQY EA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 105246 | ILDVTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.04 | 0.04 | t | 78573 | YTTEGGTK SEVEDVIP EG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.027 | 0.031 | 0.032 | t | 46127 | NTIMASKS VGTAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.028 | 0.023 | 0.02 | t | 45245 | NNSNDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 99839 | QSPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.007 | -0.003 | 0 | t | 78213 | MVLVYYES IAYSF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.037 | 0.03 | 0.03 | t | 120020 | LEDPASRD LVVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 120020 | LEDPASRD LVVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.019 | t | 127956 | EELTAGSG LREDLLSL QEPG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.019 | t | 127956 | EELTAGSG LREDLLSL QEPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 6782 | CPKNRKDS C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 145422 | PPPGIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138049 | TEYTVEVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137811 | AVSLGQN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.049 | t | 117229 | RHGFLPRH RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.022 | t | 95332 | EALEKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.015 | -0.011 | -0.01 | t | 97219 | AVLGAGN MA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156974 | WGTHTSY PWRLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.02 | 0.02 | t | 120679 | KIFADDID | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 50477 | QDIQPAV QASWPKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.023 | -0.03 | t | 104605 | PVIKARM MEYGTTM V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.002 | 0.01 | 0.01 | t | 41192 | MCITQYQ RESQAYYQ RG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.029 | -0.03 | t | 110468 | YYVLHLCL AATKYPLL KLLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.012 | t | 97370 | GTVLVTRK AL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111144 | CDATTLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 33732 | KTKIPAVFK I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.01 | t | 148598 | FPPQLPYP QP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.013 | -0.019 | t | 135547 | DWEYSVW SLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.006 | 0.002 | t | 5380 | AVILLMCA VHPTLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.012 | t | 66659 | TTIPPSSPP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.036 | 0.04 | t | 135958 | LTAVETGH TSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 63135 | TDDNEEPI APYHFDLS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131581 | PDSRAVTC GMASLSA EKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.011 | t | 122442 | KPMSNFR FGENHA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 56730 | SADGTTVT SGSTKDT LQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.028 | 0.045 | 0.04 | 0.04 | t | 68020 | VDLQPSLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.017 | -0.021 | t | 104586 | NRVAPNV RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 95901 | TEKPLEPA PVEPSYEA EPTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 97290 | EVELKLN A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140916 | VSYGEEKP AVLG | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 125600 | WESYPFRV GTSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131005 | PPLKPVIDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99948 | DLISEVAQ GALTLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110613 | GPPGPQG ATGPLGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 141778 | VYVPPRRQ QLCLYELF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141778 | VYVPPRRQ QLCLYELF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149084 | NPTQHSY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132931 | WGQNIKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115839 | KYPVEPFT ES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79383 | SCDVFLTM FYPGCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79142 | ACDPSTV MVPWPCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 63896 | TGMSGFS ETVTIVED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 81506 | EGKTYYPV LV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 103004 | AAHKGLM NIALAISA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 107585 | QVKFNWY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.035 | 0.021 | 0.02 | t | 8774 | DIRVEE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.013 | t | 108603 | QSPRLYPG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.084 | 0.082 | 0.081 | 0.08 | t | 50674 | QEQEEQEL EEVEEQEQ E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110922 | KQMDIKSI NDLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | -0.001 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.001 | 0 | -0.001 | t | 56610 | RYPGQGS PGGNRYP PQG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.001 | 0 | -0.001 | t | 19868 | GGGWGQ PHGGGW GQPH | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.06 | -0.053 | -0.057 | t | 126137 | GLKKMLRT CAVHITL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.015 | -0.003 | 0 | t | 48618 | PNDPNRN VD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 67060 | TVLARSIAK E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.02 | t | 110596 | GIAGFKGD QGPKG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 148911 | QVSFQQP QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.031 | t | 153270 | LVAQINLE M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.017 | 0.01 | t | 113912 | TCFFRDHS YQEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 32113 | KLQPAEIET CMKTIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 32901 | KPTKKPTF KTTK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.036 | 0.04 | 0.04 | t | 65042 | TLRITYLTE T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.009 | 0.01 | t | 55683 | RRPQGLP NNTASWF T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.033 | -0.02 | -0.016 | t | 26075 | IFGFNALV DR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.033 | -0.02 | -0.016 | t | 26075 | IFGFNALV DR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.033 | t | 106223 | ADGGAQG TA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.001 | 0.012 | 0.01 | 0.01 | t | 40074 | LTPANLIR GDNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.013 | -0.01 | t | 6480 | CKGLNGLF DLGPKQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128685 | GAVAVSA APGSAAP A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.022 | t | 104461 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.019 | 0.011 | 0.008 | t | 32782 | KPLDERA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.037 | -0.041 | t | 158838 | IHNDVEA WMDRYKY YP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.041 | 0.042 | 0.041 | t | 137909 | KPESDELT AEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 47175 | PDREALYQ QFDEEMEE CSASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 33142 | KRGPDGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135979 | QMRPVSR VLAPH | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 145511 | SCNYHHTY LTCW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115993 | TEIPTINTI A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109854 | RQMVEKE SLDQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111934 | VVQDGRF SYQNLFDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78647 | ETIIQIEYG KKFNSSAG D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 78701 | KKFNSSAG DKQGNISI EKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 78647 | ETIIQIEYG KKFNSSAG D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78701 | KKFNSSAG DKQGNISI EKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78701 | KKFNSSAG DKQGNISI EKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61395 | SSTKNLIYN LTLCELNV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 98529 | TLVPAVVG KP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 98529 | TLVPAVVG KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 98529 | TLVPAVVG KP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.015 | 0.021 | 0.02 | t | 56017 | RTALNCN DSLQTGFL AALFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | 0.003 | -0.001 | t | 4912 | ATCMQVN LEIMTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.011 | t | 5232 | ATYTTGGA QS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 117018 | KIVMFWH EPVYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 117018 | KIVMFWH EPVYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.002 | 0 | t | 65050 | TLRVYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.048 | -0.04 | -0.04 | t | 43747 | NESKYSNT FINNAYN MSIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 1385 | AFRELADA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 17580 | FRELADAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.037 | 0.037 | t | 113580 | KPQQQSP QQQFPQQ QIPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.052 | 0.06 | 0.061 | t | 125236 | RIEKDTDR DNFMSAE EAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.023 | 0.021 | t | 56208 | RTVGSLSN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.001 | 0 | t | 21431 | GNGCGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 41661 | MHGSRNN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.016 | 0.02 | t | 33842 | KTRNQMG VSE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.002 | t | 141523 | ALEPPHNL PVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140894 | QRRADAV KGYLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.021 | t | 11033 | EAESISSE EIVPNSVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.037 | 0.044 | 0.04 | t | 33223 | KRTITSKKS KKAPSGAS GVK | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103838 | DAEFRHDS GYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103838 | DAEFRHDS GYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 18583 | GAGDVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.029 | -0.03 | t | 29269 | IVFPDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.023 | -0.029 | -0.03 | t | 29269 | IVFPDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 122725 | DLASINLQ RGRDHG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127695 | IISGKDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107332 | EDPQVKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106515 | HLPSFLRP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 108555 | NKALTFFL P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.01 | t | 132737 | WIRSTLRR VEAKGRP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149733 | GWHSPM Y | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137415 | HAPRYHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.012 | t | 136071 | LLYGEVGD TLLIIFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140837 | DEPPQSP WDRVKDL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.003 | 0 | t | 79877 | KAKAQTD R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 152777 | LLNIDKDIR K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.019 | -0.013 | -0.02 | t | 134682 | GPSRRGPS LGASSHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.038 | -0.04 | t | 110293 | IPKPSPWA PKKHRRLS SDQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.011 | -0.01 | t | 66629 | TTGYRFTN F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.015 | 0.001 | 0.002 | t | 45291 | NNYNNNA KNVNDMY RDGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.094 | 0.09 | 0.091 | 0.091 | t | 119826 | EESDDDM G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.092 | 0.09 | 0.091 | 0.091 | t | 119826 | EESDDDM G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.092 | 0.09 | 0.091 | 0.091 | t | 119826 | EESDDDM G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.039 | 0.041 | t | 72548 | WHQTPQ PYLPQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.049 | -0.04 | -0.04 | t | 79280 | LAPISGTV QSAHLIRF D | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.01 | t | 65698 | TPPRPAGD NATVAAG HAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.01 | t | 65698 | TPPRPAGD NATVAAG HAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.02 | t | 133860 | KKAVTKA QKKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58663 | SIPNGTYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.007 | 0 | t | 135468 | GVGLAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.033 | -0.029 | -0.03 | t | 10774 | DVVLMKV PTIPKFRDI TQHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94728 | VCNYGPG GNDFNQP IYERK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.029 | -0.03 | t | 50445 | QDCNCSIY PGHASGH RMAWD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.033 | 0.028 | t | 77924 | IYTSPTFPP TAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.038 | -0.029 | -0.032 | t | 149498 | TLKRDNTI RSNGKCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 118380 | GKPIPNPL LGLDST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 66257 | TSHHDSH GLHRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 65678 | TPPAYR | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.001 | 0 | t | 40167 | LTSGHLKC RVKMEKL QLKGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 53636 | RESQAYYQ RGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 60116 | SPLLGCIGS TCAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 40110 | LTPLEELY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 43233 | NANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 31794 | KLDVVKLL YNEQFAV QGLLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 17284 | FPFNASDS VGQQIKVI P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 13481 | ENHSPVNI AHKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 16101 | FHENWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 10868 | DYEDRYYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 24591 | HQLDPAF GANSTNP D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 10868 | DYEDRYYR E | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 7171 | CTKPTDGN C | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.053 | -0.05 | -0.052 | t | 111722 | RGLPRYFN VTLRKRW V | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 150801 | EDDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 150801 | EDDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144778 | SGTHPFLD KSFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144778 | SGTHPFLD KSFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137576 | SRQEWQQ QDECQIDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99290 | GNLELVAV RKEQQQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99296 | GREGEQE WGTPGSH V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 46971 | PATIPDRE AVLYQEFD EMEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 55577 | RRGPRLGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 55577 | RRGPRLGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135770 | TRAEAVFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 92470 | DLTFEKVK HN | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.011 | -0.011 | t | 30184 | KDKKADS GYCYWVH I | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.05 | -0.05 | t | 119857 | FAQRLMR YWA | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 119857 | FAQRLMR YWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.016 | 0.01 | 0.01 | t | 100075 | GPGVDYK NNLDPLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.027 | 0.029 | t | 46806 | PAGGAYS MYTNWE QD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 145827 | IIPKVEGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 145827 | IIPKVEGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.013 | -0.01 | t | 6924 | CRGDDFP AWYC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.021 | -0.021 | t | 78694 | KASAMYS GKGPLNDL RVKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 63887 | TGLSTGTS QNTRISLR PGPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.01 | t | 82608 | GENKFVAT AASV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | 0 | 0 | t | 7761 | DDEADRYF TYEE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.003 | 0.007 | 0.013 | t | 130553 | MDPNCSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 23510 | GYYPSPDP NTFFYAPP YSA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.043 | -0.041 | t | 55185 | RPKHPIKH QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 102309 | ANQTEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.006 | -0.01 | t | 133798 | DKIRGEG MRYIIILD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.001 | t | 135441 | AGLGAGIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.003 | 0 | t | 106326 | DCSKIQSTIF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.001 | 0 | 0 | t | 13064 | ELGAFFSILQDMR | Mus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.012 | t | 51849 | QPGYPWPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.017 | 0.02 | t | 23422 | GYNVSSIVTMTSQGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.04 | t | 119482 | KSVKPRQAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 147232 | QPQQPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.014 | -0.018 | t | 11699 | EEITQVATISANS DH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.026 | 0.03 | t | 124186 | GFTPGGGGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | 0.001 | 0.002 | t | 60614 | SRAATLT PAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 131296 | EVGLHECGNSMQVTDAL | Callithrix pygmaea |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 131296 | EVGLHECGNSMQVTDAL | Callithrix pygmaea |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.009 | -0.01 | -0.01 | t | 54906 | RMIPKGTL | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.055 | -0.05 | -0.05 | t | 48603 | PNAPWVFACA | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.055 | -0.05 | -0.05 | t | 48603 | PNAPWVF ACA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 103348 | LGDVGEAF VDSLTSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 127687 | HSSHRLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 125374 | DHTFMQR YHTHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 125374 | DHTFMQR YHTHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113804 | RDTGILDSI GRFFSGDR GAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115886 | PHLSFMAI PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114775 | DKEGKDV VC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98436 | SAGTGGA DLPTDLPP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115807 | KEMPFKY PV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.032 | 0.03 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99252 | FNSKAMVI VVVNKGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103004 | AAHKGLM NIALAISA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 106783 | RLYHVPAV GQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 110584 | GAPGFPG PRGPPGP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0 | -0.002 | t | 132886 | PVRLAELH SDLKIQE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105279 | LDTTTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.046 | 0.048 | t | 96209 | EDKDEDEEDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 95014 | GRLIELSQEG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.009 | 0.01 | 0.01 | t | 953 | AEGRAINRRVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 60116 | SPLLGCIGSTCAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.023 | 0.023 | 0.02 | t | 27681 | INLLDDSD F | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.005 | 0.017 | 0.02 | t | 25997 | IETWNPNNQEFECAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.014 | -0.023 | -0.022 | t | 44654 | NLARTTPD RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135834 | CEFRDGA GSICG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 58921 | SKPTTKQR QNKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.044 | 0.043 | 0.04 | t | 46800 | PAGAGAAI LTPTPVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.05 | 0.054 | t | 137858 | FTPGTEYT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.011 | t | 45597 | NQNNFVH DCVNITIK QHTVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.06 | -0.06 | -0.061 | t | 135569 | KTNMK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.06 | -0.06 | -0.061 | t | 135569 | KTNMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 43222 | NANADPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 925 | AEGEFKTL RNTNRLDP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.046 | 0.04 | 0.041 | t | 12981 | ELDGDQM I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | 0 | t | 43233 | NANP | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43233 | NANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.033 | 0.04 | t | 119502 | NNLGTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.009 | -0.002 | t | 115743 | FPPQSVLS LS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 143675 | DRVDLGTL RGYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 72552 | WHRTPSTL WGVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109845 | RPLGLQEE SLDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135677 | FTRVVGGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78303 | WHSIFAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.003 | t | 133664 | PPPPPPPP PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 95682 | PQYLQYLY QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0 | -0.004 | 0.007 | 0.01 | t | 75561 | YQTELARV QKANADA KATY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 95560 | LNFLKKISQ R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 65390 | TNPMSTG ALLRAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.01 | t | 33107 | KRAASKVS ARLLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.013 | -0.01 | t | 89062 | SRSESSVE NFLCRSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.021 | -0.02 | t | 34933 | LAQKVART LP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.013 | -0.021 | -0.02 | t | 34933 | LAQKVART LP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.019 | 0.009 | t | 131415 | ESKAISDA QITASSYFT NMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156922 | NLHLGLA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 14241 | ESQAYYDG RRSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136353 | HGNAEVH ASFFDIGG S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 156904 | KPGDPRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 152917 | QLPELKQK SSNSRKRR STSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 156907 | KVGDPLW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 156900 | KLGDPRIA TTLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 135799 | YGKDVKDL FDYAE | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|--------|---|--------|-----------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135799 | YGKDVKDL FDYAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135741 | QGETEEAL IQKRSY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 152777 | LLNIDKDIR K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150883 | SDDEDLAT S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144699 | KASITEIKA DKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139935 | VIAIALFGT IATANAAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139830 | MKKISSVI AIALFGTIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150858 | ISSLYNLVK SS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 135736 | PRIGGQRE LKKITE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 149403 | PCKSNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130636 | WPQIWFD DEEDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130524 | KFHPKDIP YQVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 130470 | DWPALIFD QDML | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130470 | DWPALIFD QDML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130470 | DWPALIFD QDML | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130524 | KFHPKDIP YQVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130598 | RQFECYTT CVG | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 133722 | TSKSKYPL VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118963 | PNYKVVN YAVTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119038 | TSTNGIKK LIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130634 | WEWDWP RIELNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 124603 | QHWSYPL RPG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124603 | QHWSYPL RPG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130643 | YSLLEPYT FDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130635 | WGPRVIFE DVTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130509 | HKKDFAR GPGWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 130471 | DWPAVIFE DTRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108482 | IINPSENG DTSTNGIK K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108291 | AVGADES VVKEAHRE VINS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72805 | WLTEKEGS YP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 67875 | VCRQGVV DRGWGN GCGLFGK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 66412 | TSSANGG GIFNSVFG GMKNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97726 | VETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69183 | VKAVTTLL KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97650 | SLLTEVET | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 79356 | RAVIWAW MWE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63122 | TDAYNQKL SERRAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97547 | PFVPRADE PARKGKV H | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 64762 | TLDVRMIN IE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61946 | STTNTPLV SHLEHRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61946 | STTNTPLV SHLEHRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40167 | LTSGLKLC RVKMEKL QLKGT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57542 | SELSQLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 43317 | NATAEGR AINRRVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48782 | PPFTSAVG GVDHRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48395 | PLLGICGST CAEDGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 47108 | PDHVRTK GPGRCH | Mus musculus |

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|---|------|---|---|---|---|---|---|--------|---|-------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41218 | MDDDTER FPTHRSLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 46841 | PAKLLKER GFFGAIAG FLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49692 | PTLDVRMI NI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 40619 | LVTVNPV SVATANS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41218 | MDDDTER FPTHRSLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49692 | PTLDVRMI NI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 44142 | NHGNYS A QVGASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 44142 | NHGNYS A QVGASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56998 | SASRSCIG S QCSTTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55825 | RSELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37316 | LLGCIGSTC A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56864 | SALLEDPV G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36958 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56998 | SASRSCIGS QCSTTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 60116 | SPLLGIGS TCAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57542 | SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36958 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14457 | ETLGALAS AIKETFEEG TC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 30247 | KDSPVGEI LTRSKYNQ NSKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 27725 | INQDPDKI LTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 27725 | INQDPDKI LTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 31816 | KLEGGGK DIREGGDG DIDRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 27725 | INQDPDKI LTY | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 17135 | FNCLGMS NRDFLEGV SGATW | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14686 | EVETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 27725 | INQDPDKI LTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 26849 | IKMVSSLK TKIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14686 | EVETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 26849 | IKMVSSLK TKIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 12992 | ELDLQARR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9463 | DNGKAIYE RARERALQ ELGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6925 | CRGFTSFK KPPTPPPE PET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7674 | DAVTELDK N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9463 | DNGKAIYE RARERALQ ELGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.021 | 0.03 | 0.03 | t | 18787 | GATFQVE VPGSQHID SQKKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.025 | 0.03 | 0.031 | t | 80014 | RNYPTGAE FLGEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 69176 | VKAETRLN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 25252 | IAEAMRKV KK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.027 | 0.03 | t | 7616 | DAPSFSDI PN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.027 | 0.03 | t | 7616 | DAPSFSDI PN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.008 | -0.001 | 0 | t | 65766 | TPSKYGLG GDILFGWE RTRE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.013 | -0.021 | t | 108002 | LGWMRY HPQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.012 | t | 23372 | GYIWIQRN TG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | 0 | t | 87807 | RDATAYPS AKTPSS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 49801 | PTVAEEH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | -0.003 | -0.002 | t | 105678 | ANSYGLPR EQARQLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.006 | 0.01 | 0.009 | t | 142292 | SHLQLIYNL TLCELNGT DW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.055 | 0.061 | 0.061 | t | 67257 | TWGENET DVLLNNT RPPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.017 | t | 39167 | LRPTFDTR LM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94474 | CNPACGR | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.01 | 0.01 | 0.01 | t | 94474 | CNPACGR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94474 | CNPACGR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.076 | -0.087 | -0.079 | -0.08 | t | 66123 | TRVSRYSSTARHRLRRGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.019 | -0.013 | -0.019 | t | 125413 | FRVTCKDI QRIPSLPPS TQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.013 | -0.009 | t | 44035 | NGNATPQLTKNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 121037 | VLEIYSELG G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103283 | IRGSVTPA VSQFNAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79346 | QCETESDL LIPSCP | Mus musculus |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 151068 | VGSSRYSK KFKPEIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138257 | VLTVLHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103042 | AMEDLVR AYHAMSS T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108413 | GWPVAPD PA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47122 | PDKEVLYE AFDEMEE CASKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22236 | GRVILSGK PAIIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115674 | ADARM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115674 | ADARM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 92780 | GDDFIDG GKG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.006 | 0.011 | 0.012 | t | 46858 | PALTAET G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 108555 | NKALTFFL P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 106929 | TSFPIHSSC N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.049 | 0.05 | t | 69235 | VKIDNASP AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.007 | 0.01 | t | 57196 | SDFTDSVR DPKTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.003 | 0 | t | 23430 | GYPPNRQ DPRFTDTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.051 | 0.053 | 0.052 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137449 | SHRLPAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 97177 | AELPF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 97177 | AELPF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.001 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.001 | t | 117742 | AKAQTD EDLRTLLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.045 | -0.053 | -0.05 | t | 50067 | PYCWHYAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 71138 | VSSQSFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 9978 | DRGWGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | -0.006 | 0 | t | 114430 | KDMTKEFF KNKSETW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.011 | t | 75371 | YPNQVYYR PVDQYSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75481 | YQEPVLGP VR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | 0.004 | -0.02 | -0.02 | -0.021 | t | 142844 | LDLGRFF GSDRGAP | Rattus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.011 | t | 96521 | KVTKEKPT PP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123063 | CPTMTRVL QGVLPALP Q | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 123063 | CPTMTRVL QGVLPALP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.047 | -0.051 | -0.052 | t | 52871 | QYAAQNR RGLDLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 150986 | GAIAGFIE GGWTGM V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 46319 | NTYFTAFL DGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 110625 | HKHAIVTV TYDSEEQ RQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37310 | LLGACSF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.012 | -0.003 | -0.002 | t | 21623 | GPFTVRYT TEGGTKTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | -0.003 | -0.002 | t | 21623 | GPFTVRYT TEGGTKTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.011 | t | 61123 | SSIVYEAA DAILHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 118348 | FHSGKHY WEVDVTG KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.054 | -0.051 | -0.05 | t | 20788 | GLCTLVA ML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.009 | t | 119741 | AIFKSYGEII VTHFPFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.009 | t | 119741 | AIFKSYGEII VTHFPFD | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 94441 | CCHPAC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94441 | CCHPAC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94441 | CCHPAC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.03 | t | 6948 | CRTCTTPA QGTSMY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 144736 | NTECTLKK GGGLPDS VKI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.01 | 0.003 | 0.01 | t | 141779 | WKQYNPT GKIGIDDA NK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.01 | 0.003 | 0.01 | t | 141779 | WKQYNPT GKIGIDDA NK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.01 | -0.01 | -0.011 | t | 19862 | GGGTHNQ WNKPSKP KTNLKH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 118258 | AKSPEKAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115929 | QSLTLTDV EN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149081 | NPNQTRM | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137745 | DTPLTTAA LALV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99443 | LQSCQQE PDDLKQK A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.04 | t | 124341 | KAVRKERS KESDDNY DKTED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135959 | LTRAYAKD VKFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141006 | EYPSLRDIF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149079 | NLTQTQM | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132074 | SPINAFLSV DHLGGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115733 | ERFFSDKIA K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108849 | DEIPEPAV PCGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114870 | KELAAVSV DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113468 | GQGQQPG QWQQPG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78506 | RSDVVGL QSLFCCEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 17648 | FRTAISGTP QFY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | -0.007 | 0.003 | 0 | t | 123880 | YRVNLKFL PNETTSN | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.056 | -0.049 | -0.048 | t | 78370 | EFMKEAD KEAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 144803 | TSAHSLA VAAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.02 | t | 109865 | RSLDFQAT TMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.007 | 0.01 | t | 158947 | LDIDIDPKV KVATLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.008 | 0.001 | -0.001 | t | 141671 | IAESKQLT VKQKTEQI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.029 | 0.03 | t | 38387 | LPAADMD DFSRQLQ N | Macaca cyclopis |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.057 | -0.05 | -0.05 | t | 107193 | LADAVAVT MGPKGRT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.032 | t | 95739 | QRYQKFAL PQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 48595 | PNAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.037 | -0.031 | t | 122500 | NKQFRNC MVTTL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.046 | 0.048 | t | 118533 | NEEAGDG TTTATV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.023 | -0.03 | t | 122028 | VYSKRSGK PRGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 118490 | LKDKYKNI GAKLV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 118451 | KGIIDPTKV VRTA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 118487 | LEIANAHR KPLVI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.04 | -0.04 | t | 107346 | ERMFRK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 136359 | HTQHSPM VSVEF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135762 | SYVTPICI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119625 | PENNYKTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108036 | MSVPQTT YSKITELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108508 | KSGPIDIIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 77900 | HDSPTIRY VEAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47120 | PDKEILYEA FDEMEEC ASKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 50106 | PYIEQGM QLAEQFK QKALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 50914 | QGMQLAE QFKQKAL GLLQTA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 128455 | DRATWKS NYFLKIIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110818 | DSTNNNK YTVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115793 | INNQFLPY PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115319 | KKYLLFCM ENSAEPEQ SLAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79357 | RCDLRYDA FVPWCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55168 | RPGYEPPT VLGCALPP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.007 | t | 106349 | DPLRPQRE GC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.009 | t | 109325 | IDGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.014 | -0.012 | t | 13252 | ELRNLPPQ CGLRAPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.028 | t | 46949 | PASQDMP TNTTDITY V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.055 | 0.06 | 0.062 | t | 127595 | ASNGIPSS GMDTGRP ALADT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.022 | -0.02 | -0.019 | t | 123557 | NQFPGFKE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.03 | -0.02 | -0.018 | t | 82816 | GNVTPRVS YAHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | -0.002 | t | 54003 | RGTTTPAY G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133725 | TVCTYRDF MY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79213 | FGMLPVP QQPMGP Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 135991 | SEKKISSIQ SIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.019 | 0.023 | 0.03 | t | 138140 | ALLSKVTG PPMPD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.007 | -0.008 | t | 58366 | SHIECRKPY KELRLEV GKQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72504 | WGQGG SH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.022 | 0.026 | 0.02 | t | 57506 | SEKSKCEE NTMFQPY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.003 | 0.002 | t | 75937 | YTAADCP GLLYLCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 122183 | SGIPYIISYL HPGNTILH VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149430 | QPFLPQQ PYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | 0 | 0 | t | 14749 | EVKKKSDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | 0.003 | 0 | t | 12185 | EGHTDSV GTDAYNQ K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.017 | -0.02 | t | 144697 | IYRNLYWEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.036 | -0.037 | -0.031 | t | 105884 | IMAKFTQF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.01 | t | 97494 | MGAKPTGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.001 | 0.002 | t | 65678 | TPPAYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 115428 | PTSTPTTEAVESTVATLED S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 112146 | GSGTDFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 96756 | PTKPTYETEK | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 100549 | TEEKEFLKKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 100549 | TEEKEFLKKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 97675 | TAVLNLT A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 93898 | SKKEKVTIQN | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 52086 | QQPFPQQPQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 45697 | NRLIAFASRGNHDSPTHYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 52086 | QQPFPQQPQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144598 | CFVGTHPQLRC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144598 | CFVGTHPQLRC | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123128 | EGAAMDLM | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6365 | CGWAGWLLSPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 109854 | RQMVEKESLDQA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.024 | 0.013 | 0.009 | t | 142159 | GAPTYSWGANDTDV | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | -0.007 | 0 | t | 119508 | QFIGYPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.034 | -0.023 | -0.029 | t | 144901 | GRGRGRGRGRGGGRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.035 | 0.037 | 0.031 | t | 122145 | LTLFPSRDTPLSSQTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 122885 | QVAALTWVQTHIRGGDPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 141749 | SNLDHI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 141749 | SNLDHI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.001 | -0.008 | t | 130852 | GHFVKPEAFLPFSAGRACL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.008 | t | 134006 | ALRMEVLGCEAQDLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.011 | -0.01 | -0.02 | -0.023 | t | 95144 | SCPYVTYGKFCIKPDG L | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.023 | -0.02 | t | 158932 | KTALEARKAADTFNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.019 | -0.018 | t | 36741 | LIVFPD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.013 | 0.013 | t | 51383 | QLITKPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.011 | -0.01 | t | 19577 | GFLMHAP AFETAGTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 49505 | PSSKRFQP FQQFGRD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.012 | -0.012 | t | 106517 | HRLYHVPA VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.036 | -0.04 | t | 127614 | CTNDSVLL GPPGATN ASNGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111144 | CDATTLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.011 | 0.024 | 0.02 | 0.022 | t | 110232 | GADGIPG A | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.015 | -0.01 | -0.01 | t | 1437 | AGAGRRV G | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.011 | -0.01 | t | 137927 | LSADFTPG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.006 | 0.009 | 0.011 | t | 149247 | AEQQWAL YADGSIRP Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.022 | t | 70729 | VRGLYFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.02 | -0.022 | t | 70729 | VRGLYFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 146019 | TCPDIIIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 23685 | HEGKAYFP REGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.023 | -0.017 | -0.018 | t | 53449 | REAFRRYQ | Anas platyrhynchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 78455 | LPTNLTQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153343 | ACRDHLYGSCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123405 | KWLGDKNM | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132624 | RREKIERRQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79507 | AHIPWLL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 51912 | QPQPFRPQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.011 | 0.018 | 0.023 | t | 110733 | VGENVPDLYIKGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.055 | -0.06 | -0.062 | t | 125230 | RERRGIAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.018 | t | 38683 | LPRRGPRLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.017 | 0.02 | t | 65949 | TQTFTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.003 | 0 | 0 | t | 752 | ADQAQYNQMH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.021 | 0.019 | 0.02 | t | 5771 | AYFLYQQQGRDLKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 29802 | KAFRELAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.031 | t | 124588 | PQEETLQAFDSHYDYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.001 | 0.007 | 0.01 | t | 60117 | SPLLGCIGSTCAEDGN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 95347 | EILLQK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.017 | -0.02 | t | 118809 | GGRPGAP GGSGSGP RHRDGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.021 | t | 156903 | KNRGIKTF SN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0 | t | 134236 | SNIMHSIN GYVFDLQ LSVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.003 | 0.008 | t | 140674 | ESQDPKP DELHKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 10892 | DYHRVMY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.007 | 0.01 | t | 7171 | CTKPTDGC NC | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.072 | -0.067 | -0.069 | t | 99126 | CLAPDRRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42159 | MMNWSP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.04 | -0.04 | -0.038 | t | 140897 | RADAVKGY LAGK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.011 | -0.023 | -0.03 | t | 23028 | GVKYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 131373 | CIPTEYTM HIERRECA Y | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94468 | CNPAC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 94468 | CNPAC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94468 | CNPAC | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18953 | GDDPLLGN | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156929 | PGPRFF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.027 | -0.028 | t | 70661 | VQVRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.004 | -0.01 | -0.01 | t | 72484 | WGNGCGLFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.04 | 0.04 | t | 153398 | IDRTPTNFHTQR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 121293 | FDQQNC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115388 | NDSTEYGLFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156415 | QGRQQEQEQERQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 47175 | PDREALYQQFDEMEECASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 27422 | ILYEFDEMEECASKAALIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137743 | DTPLTIAGLKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137743 | DTPLTIAGLKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149254 | ALDKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132931 | WGQNIKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99896 | ALTLSLPKQQDSLP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115917 | QKPVALIN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 148655 | LALQTLPA MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140479 | KHGLLSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140488 | MSLLGHK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140479 | KHGLLSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140488 | MSLLGHK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.007 | t | 111027 | SRALAREV DLKDYED QQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 156927 | NTFQAFY | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 132260 | EKIERRQQ EV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.01 | t | 111010 | RLGSEHVD RPLTTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 111010 | RLGSEHVD RPLTTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.008 | 0.013 | 0.022 | t | 30299 | KEALDKYE LENHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 95874 | SQWGWGC GSTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | -0.001 | 0 | t | 138174 | GAPGTPA APGAPAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 153481 | TPTWPLLT IFPSGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 158910 | KNLDIDPK LQEYLGK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | 0.003 | -0.002 | t | 51816 | QPFPLQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.003 | -0.01 | t | 133117 | GPSRRGPS LGASSHQ H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78951 | DPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 75949 | YTASARGD LAHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.052 | -0.05 | -0.052 | t | 95216 | AEGLYSML VERD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.003 | t | 106533 | IEFRHGLN RTNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | 0.007 | 0.002 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 56216 | RTWAQPG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 3985 | AQKKIIAEK T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79960 | PFCFGKDL KRPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 74135 | YHRVMYA S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 32649 | KPAIIPDRE VLYREFDE M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.021 | t | 20838 | GLFGAIAG FIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.057 | -0.043 | -0.05 | t | 139597 | RGHAKSRP VRGIHTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.019 | 0.018 | t | 138162 | EKKYSPCA WEVVRAE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.017 | -0.02 | t | 65953 | TQTPVNG NSPWAPT A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.046 | -0.05 | t | 115607 | GPRHPIRA LVGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.021 | -0.019 | -0.022 | t | 75439 | YPWQTAG CFVEK | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.021 | -0.019 | -0.022 | t | 75439 | YPWQTAG CFVEK | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119584 | GQPENNY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110611 | GPKGQAG EPGIAGFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79344 | QCDAFAV PVEGACM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 91344 | FYETVLFK GFESI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39373 | LSGKPAIP DREVLQFE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 29943 | KASFDVTG AFKAPRYK S | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135757 | SFNDFTRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123842 | WFSKKFEL G | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119607 | KTHTCPPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115603 | ELKVEDPF YWVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115742 | FPKYPVEP FT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115603 | ELKVEDPF YWVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 92684 | FIDGGKGN DL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137418 | HHILPPKA LLFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 115923 | QPLPPTV MFP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.034 | -0.04 | t | 118443 | KAPGFGD NRKNQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.028 | t | 7558 | DAKDGKEI DTKHLPS T C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.05 | -0.053 | t | 133527 | AYIGLKDR KRPSELRR I AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.008 | t | 153370 | DKEGIPPD QQRLIFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 22898 | GTyrATYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.004 | 0.015 | 0.01 | 0.012 | t | 21990 | GRAIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.067 | -0.062 | t | 135484 | MSRPLIHF GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.013 | -0.008 | t | 49246 | PRRRAGRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.019 | 0.02 | 0.018 | t | 97484 | LVEETSFID AGAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.027 | 0.031 | t | 156260 | DSQPQQF QQQQQQ QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.013 | 0.01 | 0.009 | t | 66203 | TSFPPSP GPSCPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78468 | NAKATYEA AL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20051 | GGTHSQW NKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 97717 | TYNYFKDE L | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 97717 | TYNYFKDE L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.056 | -0.05 | -0.05 | -0.05 | t | 123665 | QIPPGAM P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.014 | -0.01 | t | 29897 | KANADAK AA YEAAV AANNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.013 | 0.017 | t | 122122 | KHSVTYSC CPDTPYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 106118 | SPRGQHG RRERAGQ E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 28911 | ITGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 60796 | SRSERRKD RGGREDIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 23390 | GYKVLVLN PSVAAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.023 | -0.028 | t | 140672 | EQIYRVDL RTLRL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.002 | t | 156900 | KLGDPRIA TTLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 156858 | DMSYYYAL PTYT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 934 | AEGEFPQ DARFPGG GDPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 934 | AEGEFPQ DARFPGG GDPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45405 | NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.012 | t | 37656 | LLPHSNLD | Mus musculu s |

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|---|------|---|---|-------|-------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.003 | 0.003 | 0.009 | t | 135467 | GVGGLGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 96756 | PTKPTYET EK | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151067 | VDDGFLDI WTYNAEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106306 | CIVRATKGI S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 80008 | RMFLGPK QLTFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 80008 | RMFLGPK QLTFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.012 | -0.01 | t | 48554 | PMGTQTH TMIFDNAF NC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156846 | AKLITCSKT CSKWQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128476 | DVQLIKTG DKVGASE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121676 | NVKVLLVA SPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132415 | KSRANGG AGSIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123037 | AQPVRLFL E | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123610 | PPGAMPP Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115325 | KPVALINN QFLPYPPY AKPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110863 | GLKAKPKF TLGKRKAT PTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103301 | KAMLFDG RSGEPFPY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105851 | GTAPFEIH ANRIVGFF SKII | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105851 | GTAPFEIH ANRIVGFF SKII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49081 | PQQPFPL QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49081 | PQQPFPL QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114948 | SIEFGTNIS K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.007 | -0.02 | -0.023 | t | 41131 | MASRPAA SSPVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 131928 | KEPQSRLR KWTTVDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.039 | -0.033 | -0.039 | t | 105640 | AAGAVMR GFVFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135496 | RYPNQVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.022 | -0.017 | -0.018 | t | 136703 | VDLFTSKG LFRAAVPS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 137401 | FEDVW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.007 | -0.01 | t | 28898 | ITFKSGATF Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0.001 | t | 63972 | TGTAYPVP LELTPENA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 33182 | KRLHQWI NED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.01 | t | 89660 | TQKIPKAN AADADTD TT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.04 | 0.04 | 0.04 | t | 123591 | PKSQETPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 66061 | TRLNPDQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.027 | -0.03 | t | 53331 | RDDITFMV GLHSYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.003 | 0 | t | 73230 | WVTPVIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 116954 | DPTDYSTR PHMW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 141893 | FEEETESSA SSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.066 | -0.06 | -0.06 | t | 105795 | FTQFAGKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.023 | 0.02 | t | 2610 | ALHQSMML NSQAIDNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.042 | t | 132644 | SAKEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.084 | 0.075 | 0.081 | 0.082 | t | 20174 | GHQVGDDG E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.023 | -0.021 | t | 47450 | PEVFGKEK VN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 127681 | HFHRPTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103479 | PGYPVAG QVWEATA T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 13902 | EQPYIEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140583 | PWDKFVH EQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140583 | PWDKFVH EQ | Mus musculu s |

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|---|------|---|---|-------|-------|-------|--------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156339 | KDDPTNKF YQSVIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123452 | LPKIKAYM E | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22104 | GRIVLSGK PAIIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22075 | GRIILSGKP AIIPDREVL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22083 | GRIILSGKP AVVPDRE VLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 7434 | CYRGARV DGLMC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 81704 | ENATKVED IK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78925 | AGTYDFAI AAPQANA KIWIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 93328 | LSKVVDNY EL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115807 | KEMPFPKY PV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | -0.003 | 0 | t | 96779 | QKVAGTW YSLAMAAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.008 | 0.02 | 0.023 | t | 7765 | DDEHVEEP TVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.055 | 0.061 | 0.062 | t | 19723 | GGESSEEL SESSFFNLI T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.01 | t | 97565 | PTGSAAA N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.01 | t | 97565 | PTGSAAA N | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105893 | KCNTATCA TQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.045 | -0.059 | -0.05 | -0.05 | t | 59856 | SNKSASQ NVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 96017 | YHLYNSQD HG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 134679 | GGSGPQR RGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.023 | t | 106690 | NSDHFLQP DPPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 56201 | RTTTASGK L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.01 | -0.012 | t | 114126 | HYGSLPQK SQRSQDE NPVV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | 0 | t | 113220 | YAPWKPT VNGTVVA V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 46275 | NTTASDQL LVENAAG HRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 23588 | HCDGFQN EKWDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.027 | -0.032 | t | 52148 | QQSFPQQ PQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.014 | 0.017 | t | 116021 | VPQKAVP YPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 126328 | ISHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 153419 | LTPPPWQ NPFPFGG GS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.012 | -0.01 | t | 60433 | SQERNFV DSIGQSFG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | 0.001 | -0.001 | t | 149300 | ELDKWNS L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.031 | -0.023 | -0.019 | t | 37165 | LLDKIYTSP LC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94450 | CCNPAC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94450 | CCNPAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94450 | CCNPAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.015 | 0.02 | 0.021 | t | 49680 | PTKEFFRE A | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.05 | t | 113989 | VFILGPLRL LG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.011 | t | 79928 | MDRPTSM KALDH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 137555 | QEWQQQ DECQIDRL D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121847 | SGVFLSVP ESYFGSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 113466 | GQGQQPG QGQQGQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115795 | IPTINTIAS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131954 | LNPLFGPQ QVAMLNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100407 | QDLLFTNQ LK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106343 | DIVMTQSP LSLPVTPG EPA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149439 | QQQPLSQ VSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149108 | SLPNLTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149439 | QQQPLSQ VSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 97920 | AYTPAYYT KN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 97920 | AYTPAYYT KN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 97920 | AYTPAYYT KN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 97920 | AYTPAYYT KN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.028 | -0.02 | -0.02 | t | 675 | ADHPSYTA AKDEVLSH FSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.009 | 0.003 | t | 131116 | TQSYPPPP AWRAASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 36760 | LIVTQTMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.021 | 0.019 | t | 46982 | PATVPDRE VLYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.061 | 0.06 | 0.061 | t | 119220 | ISCAKDGG IPEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.009 | -0.01 | t | 18700 | GANIPAEF LENFVRSS NLKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.002 | t | 79622 | NYARTGG QVTAG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 12258 | EGRFKSQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0.002 | t | 111177 | CVQSTHV DIRTLEDLL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.008 | -0.008 | t | 37335 | LLGILESRG IKARIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.01 | -0.01 | t | 46792 | PAFGANS NNPDWDF NP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.01 | -0.01 | t | 46792 | PAFGANS NNPDWDF NP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | 0 | 0 | t | 123841 | WEGVGVV PDVAVP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.03 | t | 127960 | EKVPKGKK GKADAGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.012 | t | 122471 | LLTEHRMT WDPAQPP RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.009 | t | 122127 | KRSRLDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 116957 | DSMNTDD STRPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156911 | LGMSTNP GPRIL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 102310 | ANQTEVE M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.04 | 0.048 | t | 106624 | LSEEVKTTE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.012 | t | 78629 | DQKPPSR QSQIESR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.006 | -0.01 | -0.012 | t | 78629 | DQKPPSR QSQIESR | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.027 | -0.041 | -0.044 | t | 145923 | NPPIPVGEL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.001 | t | 3289 | ANGAGNQPGANGAGGQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | -0.004 | 0 | t | 135973 | PSKFTEPVKDVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 40960 | LYSLNWQDL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 28637 | ISNRDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 125320 | YDGPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 114901 | NCSSYANTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 132820 | FGSNDPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.007 | 0.01 | t | 97572 | QEHKPKKDDFRNEFDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.058 | -0.053 | -0.062 | t | 121715 | PNKQTPSGKKCIAAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140856 | GKGVDAGKLGTV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135329 | TQNKVFDFIVIFEKI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115462 | QYLQYLYQGPIVLNPWDQVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47122 | PDKEVLYEAFDEMEECASKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 7205 | CTSGFTGLFSSGAKQT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149439 | QQQPLSQ VSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149439 | QQQPLSQ VSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103297 | IWKLIKDM LILPYLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112278 | QSVLYSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.003 | -0.01 | t | 132010 | PPGLTGQK PPLSTWD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.014 | 0.013 | t | 111027 | SRALAREV DLKDYED QQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.014 | 0.013 | t | 111028 | SRALAREV DLKDYED QQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 153837 | HGRLVTLK DIVLDLQP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.006 | 0 | -0.004 | t | 92794 | GENKRPN DKAGEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.003 | -0.004 | t | 17536 | FQSRDEKE RERF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 135478 | LGGLGVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.012 | t | 23372 | GYIWIQRN TG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.002 | t | 67045 | TVKKIKVLV EQVTNVVL YSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 5437 | AVLLGACS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.022 | 0.02 | t | 52184 | QRAKEALD KYELENH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 129817 | RRMELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.018 | t | 71192 | VSVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | -0.002 | t | 71212 | VSVTDHKK WQFNSPF VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0.002 | t | 868 | AEEAFDL WNECAKA CV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.021 | 0.021 | t | 78853 | TKDTNNN LCGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | 0.001 | -0.001 | t | 149301 | ELEKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55678 | RRPQDVK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.047 | 0.053 | 0.052 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.043 | t | 111308 | GDTGPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 128455 | DRATWKS NYFLKIIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.008 | 0.003 | 0.001 | t | 11777 | EELVEEVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 144706 | KITCFLTAG GGLPDSVK I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.038 | -0.03 | -0.029 | t | 35484 | LEGGSRGA PGGGFVP NLQ | Homo sapiens |

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|---|------|---|---|------|------|------|------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 99381 | KIQRDEDS YERDPYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153252 | DHQLDPA FRANTAN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 131897 | GQMPNN QSINSKVS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 97330 | GFIVLEIQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78518 | SHLVGGFL NDASWSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144311 | GNLTAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144325 | GVTTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 144320 | GSEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119382 | VISCAKDAI EDEEGSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 127643 | ERPLELRV RVLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120629 | IMIKAEYYI LKKPRSEL MFE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117506 | GGAHFSVS SLAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118898 | LSHIGDAV VISCAKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 117520 | GSFSDADL AD | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118902 | LVFEAPNQ EKVSDYE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122947 | WTQEPQP LEEKWQH RVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 120498 | ELMFEEQK DRHGLKR VНКMT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 105763 | EVHHQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106322 | DAEFRHDS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108848 | DEIDGVN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106322 | DAEFRHDS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 109905 | SEEEND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 94836 | GSSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68524 | VFMVPQY GYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61124 | SSIVYEA DMIMHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69462 | VLELAA | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41537 | MFSGGGG PLSPGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 58077 | SGHRMA WDMMM NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 42274 | MPGGMP GGMPGG MPGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56599 | RYNLVFSG DSDRICSN RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36434 | LHTISRYSS EYPHGDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 16018 | FGNDYED RYYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10801 | DWEDRYR RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 4397 | ASFEAQQ ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 6675 | CMYSNNN VEDMYSN NNVED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 5771 | AYFLYQQ QGRLDKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.02 | t | 151998 | LTRYLRHP QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.012 | -0.007 | -0.01 | t | 95749 | QVYNKLG MYPPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.003 | 0 | t | 86972 | NPITESAH LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0.001 | t | 107773 | CSVMHEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 94741 | WEQWW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 94741 | WEQWW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 79188 | DSAVGY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 79188 | DSAVGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106571 | KLVSEVPK HCGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.018 | t | 133667 | QDVCTYR DFMYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111856 | TTHYGSLP QK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.051 | 0.06 | t | 119524 | SKEQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.011 | t | 103367 | LNDESLIL ENLTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.021 | -0.018 | t | 23240 | GWAGYW RGSNHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100508 | SGYEVHH QKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.013 | -0.019 | t | 11872 | EESDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.038 | t | 140462 | FNTKHDM QGDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.019 | -0.023 | -0.029 | t | 122206 | VISRSRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0 | 0.01 | 0.011 | 0.01 | t | 29931 | KARQPEG RAWAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.008 | 0.01 | t | 96352 | GVTKAAEK QM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 43039 | MYASSGIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.009 | t | 36542 | LIGVII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.066 | 0.044 | 0.044 | t | 136061 | ETQAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.001 | t | 123016 | AIYENEIHA LWADLP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.001 | t | 123809 | VAVESRN GSRLHFNK | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.001 | t | 123880 | YRVNLKFL PNETTSN | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.001 | t | 110652 | LCLIGCKPP IGEHWGK GSPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.001 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.001 | t | 111450 | KGSPCTNV AVNPGDC PPLEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.045 | 0.04 | 0.038 | t | 134654 | DQQNQFQ KAET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.038 | 0.037 | 0.04 | t | 142125 | DLIDASREA KKQLEAEQ QKLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.02 | t | 42933 | MVDVVTG ATV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.03 | 0.03 | t | 136075 | PGSSYP | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156934 | PLHTSL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 73021 | WRCVVYP GNGFVSAS IFGFQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.03 | -0.037 | -0.04 | t | 77929 | KFHRVIKDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.001 | 0.001 | t | 34912 | LAPRVAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 135728 | NSTEAEIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 106569 | KLSEEVKT TEQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123693 | REKWLGD KF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0.012 | 0 | -0.007 | t | 137108 | ARAAVDT YCRHNYGV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 147546 | CFGSLPWM C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123401 | KTLKMWS DF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124283 | HPLLPGTAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99934 | DFLSTEEKE F | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123723 | RVCYNPKFE | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78231 | PHMQLHH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 114980 | VTYTNDCL LC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 115109 | SKIFKLGGR DSRSGSP MARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 73301 | WYWGPSLY SI | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | 0 | -0.02 | -0.022 | t | 100070 | GLMVGGV VIA | Chloroce bus aethiops |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.001 | t | 11813 | EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 48071 | PKGRNVVL EK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.023 | 0.02 | t | 65974 | TQYERE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.036 | 0.032 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 52321 | QSFRRLGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.029 | 0.03 | t | 137816 | DAETLMD AAVDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.009 | 0.01 | t | 147530 | ATNFGDIG V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.015 | 0.021 | 0.019 | t | 34115 | KVLSPLQD NNDSGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 38825 | LQDPRVR GLYFPAGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136074 | LVKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 126201 | GYKEKSKF QDTHNNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 124588 | PQEETLQA FDSHYDYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122790 | HQEEDFR VTCKDIQR | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122857 | MGCSSPP CECHQEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 127898 | YEENLGDS IV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122842 | LLDLPRDL GGMGCSS PPCE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 132848 | KKEDFDIY DEDENQS PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 106322 | DAEFRHDS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 100777 | DIDFLIEIE RLGQDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95137 | RGLSLGM RLEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69178 | VKAETRLN PDLQPTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 65684 | TPPHSARS KFGYGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75203 | YNPLYGSR LGVPDTLG GDPK | Homo sapiens |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97282 | ESNNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 61944 | STTNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 68524 | VFMVPQY GYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73636 | YEDRYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 97348 | GLFGAIAG FIEGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73433 | YARFMDT DPDRYGIL PSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72065 | VYKLDISEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 80049 | TGELTMY YVW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69175 | VKAETRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 73433 | YARFMDT DPDRYGIL PSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | -0.001 | t | 61589 | STEQNVP DPQVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 69178 | VKAETRLN PDLQPT | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95058 | AGLQND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 66060 | TRLNPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 71350 | VTGTDLELI QILK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 95524 | KRQIYTDIE MNRLGK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 75278 | YPEKAVLD EYDYRYNR PK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 53122 | RAISSWKQ RNRWEW RPD | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49450 | PSNQDSF QWQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55951 | RSRSES | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 49450 | PSNQDSF QWQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 57320 | SDYEDRY REN | Mus musculus |

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|---|------|---|---|---|--------|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 42748 | MTDSPGG VAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56734 | SADNNNS EYSWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 51393 | QLKLNWF KKGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 54058 | RHKQKIVA PVKQTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 51393 | QLKLNWF KKGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37698 | LLQAHRQL EER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 56599 | RYNLVFSG DSDRICSN RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 38918 | LQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 10801 | DWEDRYR RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 17470 | FQEPFWLE DG | Mus musculu s |

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|---|------|---|---|---|---|---|---|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 17470 | FQEPFWLE DG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 23973 | HGYEKPEE LWTAKSR VHPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 31075 | KGTMDSG QTKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 36413 | LHQPPPQI FLKILPQSG PIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 12248 | EGQKSAVT EY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9526 | DNPASTT NKDKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7717 | DCNFCRQ MTGASLK KGSYPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0 | -0.002 | t | 78115 | DDPPATVY RYDSRPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.011 | -0.012 | t | 38009 | LMDPVFG FDRRVPFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.017 | 0.021 | t | 135569 | KTNMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106705 | PFVQGKEK EP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 114192 | AEYWNSQ PEILERTRA E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107218 | PAGGPGF P | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45016 | NMPNDP NR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.019 | -0.02 | t | 15389 | FDGGKMV Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.033 | 0.021 | 0.02 | t | 3919 | APYIEQAQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.022 | -0.02 | -0.018 | t | 6670 | CMTTAQG TSMYPSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.022 | -0.02 | -0.018 | t | 6670 | CMTTAQG TSMYPSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 138219 | PTPETGPL QR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 139861 | PWYLSSL | Ovis aries |

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|---|------|---|---|-------|-------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 130925 | KLLPEDDE SRTYHTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 130925 | KLLPEDDE SRTYHTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 130925 | KLLPEDDE SRTYHTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 47184 | PDREVLQY EFDEMEEC ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115124 | VTLRIRNV RFSDEGGF TCFF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102721 | PNKPTPPT YETEKPLEP APV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107495 | KTISKAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 89854 | VAKLTVM VYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 61078 | SSIAADQL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 19657 | GFYTTTGI GYQPYRV VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111218 | DTTRSTN MSLCAAIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106302 | CDIKTTLPP ITA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.043 | t | 130567 | NPCEDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.037 | 0.031 | t | 103993 | IPPSLRLE DNEERMS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.006 | 0.013 | 0.02 | t | 132888 | QAYVVDSF GNEIFRC | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 136719 | VIKHMRF HADYQAP FLGGGY | Aotus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 63391 | TEHRDYHP QQRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.027 | 0.03 | t | 68904 | VIAHELAH QWF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.011 | t | 46313 | NTWEGQA ASAALGAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.024 | -0.02 | t | 135923 | FRIPVTINA PLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.03 | t | 25140 | HWSYGLR PG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 116930 | AYKLPQTD DST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94622 | NPACGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94622 | NPACGR | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.01 | 0.01 | 0.01 | t | 94622 | NPACGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.01 | 0.01 | t | 94622 | NPACGR | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.047 | -0.047 | -0.033 | -0.038 | t | 156956 | SGIGTLDG FRHRHPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 137868 | GFYPGSIE VRWFLNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.04 | -0.03 | -0.029 | -0.03 | t | 137868 | GFYPGSIE VRWFLNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115788 | IESPPEINT V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99392 | KPDKKNP QLQDLDM M | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 69861 | VLVEAFDE MEECASK ATLIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 69861 | VLVEAFDE MEECASK ATLIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158585 | APPHVMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79245 | HCDSFWIP PPPVCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.01 | -0.01 | t | 49005 | PQGPGAP QGPGAPQ GPGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.021 | -0.01 | -0.01 | t | 49005 | PQGPGAP QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115233 | EPMIGVN QELAYFYP ELFRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 98845 | KFDKALKA LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115433 | QDKIHFA QTQSLVYP FPGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78298 | WHHMYV P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 96020 | YLKTVYQH QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.027 | -0.017 | -0.009 | t | 109940 | SQDENPV VHF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.027 | -0.017 | -0.009 | t | 109940 | SQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.009 | t | 72251 | WAPSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.052 | -0.047 | -0.04 | t | 96320 | GKKPNIW YSL | Homo sapiens(human) |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 38304 | LNPKTNK WEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.062 | -0.061 | -0.061 | t | 49350 | PSDVSGLL LRPPPAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.03 | 0.026 | t | 133531 | CDTLKPGE C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.019 | 0.017 | 0.018 | t | 50833 | QGASVDK R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 23068 | GVNLEDP ASRDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 23171 | GVTLLQAA PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 134237 | SQWN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.009 | 0.007 | 0.008 | t | 67564 | VAEFIEKVS RR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 97348 | GLFGAIAG FIEGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | -0.001 | 0 | t | 38272 | LNLTTWN P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79413 | TCPLPDPD SQYCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10538 | DVAGLEK DPVA | Mus musculu s |

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|---|------|---|---|-------|-------|--------|--------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 99173 | EDEDEEEE GSNREVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115193 | CMENSAE PEQSLACQ CLVRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 120472 | EFPEKDNE IF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 130583 | QCQTFGK TMLCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 60675 | SRGNHVA PTHYVTES DASQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 63917 | TGPCKTCT TTAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 47184 | PDREVLQY EFDEMEEC ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120180 | RQWKAEF HRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122197 | TDVVFNSK GIGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 120180 | RQWKAEF HRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21459 | GNKTLAGP KGPVTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.03 | t | 31555 | KKGSSGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149519 | VRVPVPQL QL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149519 | VRVPVPQL QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.013 | -0.003 | 0.001 | t | 115081 | LLRFFVAPF PEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.044 | -0.05 | t | 48681 | PNNDFHF EVFNF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 24872 | HSVRGLTS LFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.043 | 0.043 | t | 20108 | GGYYSASY SDPCSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 70153 | VNPNNAA AL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.05 | t | 134669 | FGFPQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 4149 | ARGSLAVT I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 3514 | APDTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 21927 | GQPAVRN ERA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 21927 | GQPAVRN ERA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142056 | VKHVEKKL DMLDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.039 | t | 101716 | HQPTPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.02 | -0.02 | t | 123675 | QPLWLLQ G | marmos ets |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.045 | 0.048 | 0.037 | 0.038 | t | 157230 | FDAEFLAD AFNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.007 | -0.01 | t | 7055 | CSPHHTAL RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 150854 | HPGGQQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 108299 | CKYWLSRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.018 | 0.02 | 0.02 | t | 48613 | PNDGEER QSYWF | Bos taurus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.008 | 0.01 | t | 382 | AAPYIEQA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.018 | -0.03 | -0.033 | t | 47453 | PEVIRMQ DNNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.013 | 0.012 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.013 | 0.012 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.01 | t | 66382 | TSQDGNN HQFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0.001 | t | 39070 | LREGVTLG VGASFDT QKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115506 | TEDQAME DIKQMEA ESISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0.001 | t | 74871 | YLPVGGLR RIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 140861 | GTVSYGEE KPAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149048 | FSTQKSI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 99013 | SPSSPEKES PEKEDQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 150994 | GVTAACP HAGAKSFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127739 | MHLNTAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113565 | KGNQYWR FEDGVLD DYPRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113565 | KGNQYWR FEDGVLD DYPRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113564 | KGNQYWR FEDGVLD DYPRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113565 | KGNQYWR FEDGVLD DYPRN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 65638 | TPLGPPDA EYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 34754 | LAEQFKQK ALGLLQTS TKQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 20143 | GHIELGGK PAIVPDKE VLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 20144 | GHIELGGK PALVPDKE VLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103511 | QAQYVAQ LHVWARR E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105545 | TKSSDF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115850 | LPVPQKAV PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.004 | 0.01 | 0.012 | t | 133618 | KKLLVRGL YRISFTTYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.02 | t | 148678 | LQQQLIPC RD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.015 | -0.013 | -0.01 | t | 95201 | AASAYCST WD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 120649 | ITVGLQLIQ LISVDEVN QIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 21606 | GPEKAFRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.027 | -0.01 | -0.009 | t | 133926 | RSSYWVYS PWRFISR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.022 | 0.02 | t | 5368 | AVIEPIVAT NWQKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.043 | 0.04 | 0.04 | t | 97197 | ALSTTDSF | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.007 | -0.01 | t | 106313 | CQQYGSS PQTFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.02 | t | 103887 | EQWSLPW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.016 | 0.012 | t | 17531 | FQSFPSGE PSNSKLSG FFQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.009 | t | 122874 | PPARALKR SLWVEVD LLIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 99839 | QSPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 4420 | ASGKEAKV CTISPIMG YSTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 108861 | DGVNHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75923 | YSWKTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75923 | YSWKTWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75923 | YSWKTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60549 | SQSFRRLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39255 | LRYSWKT WG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39255 | LRYSWKT WG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.019 | -0.02 | t | 149427 | QLPQFEEI RN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.021 | 0.03 | t | 119508 | QFIGYPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.02 | t | 135897 | APKRPGPA GELL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115631 | NVRFSDEG GFTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115631 | NVRFSDEG GFTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153351 | ACTYSPRD MCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153380 | ETELTIAAL KYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 150978 | EKNVTVTH SVNLLED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 131988 | NQSLGWG DSSKPVSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112069 | CSFSGFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 42802 | MTFEGAIG IDLGTTYSC VGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.02 | 0.02 | 0.02 | t | 42802 | MTFEGAIG IDLGTTYSC VGV | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.005 | -0.01 | -0.01 | t | 49706 | PTLPGTNI VLGALPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78163 | GERLFT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79977 | PTRMLVC GIAAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158670 | ADTFNFKT FFHTIGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.002 | -0.009 | -0.011 | t | 23160 | GVSWTM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.032 | t | 49107 | PQQQFPQ TQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.015 | 0.02 | 0.022 | t | 68052 | VDQYSNQ NNF | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.008 | 0.02 | 0.022 | t | 68790 | VGSDQHP DIHAPDGA | Oncorhynchus tshawytscha |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 99921 | DAEFRHDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 102384 | EFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 104443 | DAEFRHDS GYE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.06 | 0.061 | 0.062 | t | 130792 | EDVPLLED | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144720 | LMKFVDSK SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.021 | -0.017 | -0.021 | t | 99380 | KIADDWD NRHPLPNA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.03 | t | 117885 | GMRPPM GPPI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.022 | t | 135497 | RYPNQVYY RPM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.001 | 0 | t | 135785 | VNEKWIVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 65745 | TPRPTQY WLHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 12306 | EGVQQEG AQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 34776 | LAGGAAT AGAFSRPG LPVEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.013 | 0.012 | t | 759 | ADREYCKY TVCTYPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | -0.007 | -0.003 | t | 115652 | SSRISYWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 119955 | IRLPSDDV WLPDLVLY | Mus musculus |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | -0.002 | t | 77920 | IPPFYKNF WWP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149516 | VPVPQLQL QN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149516 | VPVPQLQL QN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.03 | 0.03 | t | 136076 | PGSSYP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135965 | NIISDAMK KVGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124277 | HPLAPSPA V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98972 | QSAPLRVY VE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98972 | QSAPLRVY VE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 73131 | WTGVAQ D | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39377 | LSGKPATIP DREAVLYQ EFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 36124 | LGGKPAIV PDKEVLYQ QYDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158612 | SHRPTTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120475 | EGEIGKIPL K | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 128094 | RQGLKKA DCSFWSKY ISSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 101719 | HSHQVFN LLSLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103738 | WSFAVGK QLNMAQII | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103340 | LCKTTSNFI WGQLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.035 | -0.02 | -0.018 | t | 43224 | NANANNA VK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.013 | -0.012 | t | 39631 | LSRISSKKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.001 | t | 122430 | KGLRRDL ASREAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.066 | 0.06 | 0.06 | t | 57001 | SASTKNKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.053 | -0.06 | t | 134792 | RSPSPTPT PGPSRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.003 | -0.01 | t | 134194 | PTKSDPRC LTRYSSFV NME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.037 | -0.038 | t | 24841 | HSQWNKP SKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.009 | 0.01 | t | 109479 | LGPKGQT G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.003 | 0.003 | 0.009 | t | 131016 | QESLDMN SARDF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18705 | GANSNNP DW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.011 | 0.017 | t | 130816 | ESKAISDA QITASSYFT NM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.001 | t | 65678 | TPPAYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 137834 | EDSRVTEN TNGL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | 0 | t | 148575 | DVKDNKP SDVKLPVI KAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 68674 | VGGVYLLP RRGPRLGV RAIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 131100 | TDSEMDV VRFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.047 | -0.05 | -0.049 | t | 105966 | MKKRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.002 | -0.01 | -0.01 | t | 6329 | CGPFFLAA SVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52006 | QQDAKLT WR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 156603 | AEVLRDG DCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.015 | 0 | 0.002 | t | 48618 | PNDPNRN VD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.023 | 0.022 | t | 68896 | VHTWTEQ YK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121848 | SGVPLCPL ESNVISC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121848 | SGVPLCPL ESNVISC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149114 | STPRLPD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121684 | NVTCLMV ALPLVDSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115916 | QEQUIRCE KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77970 | PQTQQFIP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77970 | PQTQQFIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78305 | WHSMFAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 116954 | DPTDYSTRPHMW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 32901 | KPTKKPTFKTTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.02 | 0.019 | t | 137393 | EDFESCDSITGMNLEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.013 | 0.02 | t | 135448 | AKYGAA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.051 | -0.049 | -0.05 | t | 74503 | YKRRMADAVSRKKM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 135414 | AAAYKAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142407 | DKTIAAAKAKKARE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 56610 | RYPGQGS PGGNRYPPQG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | -0.001 | 0 | 0 | t | 56610 | RYPGQGS PGGNRYPPQG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.019 | -0.02 | t | 23337 | GYFGHQVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 38313 | LNPTIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 38313 | LNPTIA | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 38313 | LNPTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 38313 | LNPTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 38313 | LNPTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 135495 | RITLYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.067 | -0.053 | -0.059 | t | 107859 | GHRPLDKK REEAPSLR PA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | -0.003 | -0.001 | t | 56675 | RYVKQEV QRGGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.066 | -0.06 | -0.06 | -0.06 | t | 123244 | GMIPPPGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.023 | 0.02 | 0.02 | t | 141006 | EYPSLRDIF | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.02 | -0.02 | t | 50193 | PYWKSDSI KKHVLI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.02 | -0.02 | t | 50193 | PYWKSDSI KKHVLI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.001 | 0 | t | 40018 | LTLNLITE MG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 116981 | FSTDWSTR PRLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133231 | MGPRRRS RKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99833 | PPFSQQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99833 | PPFSQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99833 | PPFSQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.03 | -0.031 | t | 146494 | PHQIINLRT NNSAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.009 | t | 114149 | YGSLPQKA QGHRPQD E | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.001 | t | 43191 | NAKATYEA ALKQYEAD LAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45065 | NNEDNEK L | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0 | 0 | t | 80395 | ALYASVAV QQQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 60535 | SQQPQQP FPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.018 | t | 12264 | EGRSVFDD NVQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115980 | SPEVIESPP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 133598 | HLNSLYYD WTEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115985 | STVATLED SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103661 | TNDGVIFF FNPGEEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132940 | WGSNVT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114903 | NGTLTSLH FG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.01 | t | 100504 | SEVAQGAL TSLPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 100504 | SEVAQGAL TSLPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108297 | CKYLWSKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112403 | WWNDNK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46990 | PAVIPDRE VLYQAFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22126 | GRLHLND QVVVTPD KEILYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135779 | VETGVKIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151035 | NGTYDYPK YSEEAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156370 | LRGMAKD GKFAVKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137737 | DTALTYAG LKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131304 | PVVWKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131304 | PVVWKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110608 | GPAGGPG FPGAPGA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79384 | SCNSFMIP AQPST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.018 | -0.011 | -0.009 | t | 37698 | LLQAHRQL EER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 120813 | NEAVKYTG YT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 98985 | RIPSGFISYI LNRHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 97683 | TFSMGAK P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115824 | KIAKYIPIQ Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.004 | 0 | 0.001 | t | 153286 | QKLVFFAE DVGSNKG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 130860 | GLPGARGL TGRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.001 | 0.002 | t | 48774 | PPFFLVQE KGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.035 | -0.027 | -0.028 | t | 134076 | GWLGFNK ERGHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.026 | 0.029 | t | 124604 | QIERDTER DRFLSAPE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 72954 | WPMVIPA SISTM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.027 | 0.028 | t | 60178 | SPPEINTV QV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.021 | 0.02 | t | 135653 | DSRGNPT VEVDFTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.04 | -0.029 | -0.026 | t | 55782 | RRYPFVKF T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.013 | -0.014 | t | 135912 | EALVLDTN GLMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 150855 | HPGGSQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111856 | TTHYGSLP QK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | 0 | 0 | t | 111856 | TTHYGSLP QK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111856 | TTHYGSLP QK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.006 | -0.003 | t | 115672 | AAVRSPA QIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 39385 | LSGKPAVV PDREVLYQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.003 | 0 | t | 156859 | DPHVFKS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42932 | MVDVVTG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 48107 | PKNTLTPL EELYPT | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 118554 | PPGIRGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.016 | 0.01 | 0.01 | t | 21269 | GMFTGLF NQGAQQK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.036 | 0.05 | 0.05 | 0.051 | t | 134148 | LQSDQEEI DY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.041 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.03 | 0.03 | t | 78759 | PGLRPQNL YTLWGGS VVCMY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.028 | t | 54863 | RMAWDM MMNW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 136612 | RRQKRF | Gallus gallus |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.012 | 0.02 | 0.02 | 0.02 | t | 136612 | RRQKRF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 108283 | AQSAITACW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99690 | SSYLQGFSRNTLEAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114882 | LAAVSVDCSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121685 | NVVPLIVASPYVDAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121685 | NVVPLIVASPYVDAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111160 | CNKLSRPVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11150 | EANSKLAALEKLNKELEESK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115393 | NIPPLTQTPVVPPFLQPEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79507 | AHIPWLL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.032 | t | 118536 | NITDHGSLIYFSECAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 79428 | TKLKGESGY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 18999 | GDHCEGLGVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.051 | 0.051 | t | 69235 | VKIDNASPAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.062 | -0.06 | -0.06 | t | 9949 | DRARRLLWWHYNC L | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.061 | -0.062 | -0.06 | -0.06 | t | 9949 | DRARRLLWWHYNC L | Anas platyrhynchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122589 | SRLDPDPR LFLRMSTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.008 | t | 140725 | PDELHK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.01 | -0.01 | -0.009 | t | 17132 | FNATKFPS VYAWERK KI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.028 | t | 79369 | RGDLRGDL RGDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.03 | 0.028 | t | 79369 | RGDLRGDL RGDL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 16123 | FHLPYNHN WFAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.024 | t | 97252 | DTPLTTAA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142426 | KAAYGLLK TKNQYVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | -0.001 | t | 118568 | QKIGIEIKR TLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.01 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 141074 | RHLEFEAR TLSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.04 | -0.04 | t | 68157 | VEEEIYQC CNLEPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | 0 | t | 97478 | LTAGALW NA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.065 | -0.057 | -0.06 | t | 10983 | EAAAPVVE SKWRAL | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.03 | t | 89474 | TIKAGVET SRSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.031 | 0.03 | t | 89474 | TIKAGVET SRSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 103792 | AGTELSAT GNESGGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 53869 | RGFTSLFS AGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.021 | 0.021 | 0.022 | t | 40070 | LTNSKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.028 | t | 140840 | EAAYSKNR RAVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.024 | 0.029 | 0.03 | t | 12459 | EIIQLDVT T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.078 | 0.066 | 0.071 | t | 18808 | GAVDSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66976 | TVDNPAST TNKDKLFA VWK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44474 | NKDKLFAV WK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.03 | t | 6458 | CITQYQRE SQAYYQR GASVI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 117211 | GYWSWI RQPPGKG EEWIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 119646 | SNGQPEN N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 156341 | KDGKFAVK DGEKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 141931 | ITKLTPEEL ENLAK | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149073 | MTSSETQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 100352 | NQLKEHPT DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 94481 | CSNNPTC WAICK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131299 | ISPNTTYP SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103716 | VRERMTT QDVEAITP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115492 | SLTLTDVE NLHLPLPL QSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112368 | TTYGIGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 45367 | NPIDATAR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45367 | NPIDATAR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45367 | NPIDATAR S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 124277 | HPLAPSPA V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115684 | ALINNQFL PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106730 | QHFTKNP ALLMA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.023 | -0.01 | -0.01 | -0.01 | t | 33512 | KSSLEDQKI KEKLQP | Aotus trivirgat us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 153480 | TPSWRNP FPTFYGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 153420 | MDWINPF PNFNSSGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 153359 | ALLPFKDH LPYPGGGS | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 153362 | APWSLRD HLAVTGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 153396 | HSFEPWS ARDMLGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 153382 | FAENKKD HFSPGGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 116757 | KFDVPCG GRDCSGG CQCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 79535 | EDDDDDF GMGALF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 96103 | APPLLPHS NLDHI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 62932 | TANGFYRL PSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 96103 | APPLLPHS NLDHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 58582 | SIKEDVQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 58409 | SHSAFNM FDFGVGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 40922 | LYREFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 58422 | SHSVTKSL RVFGGPP | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 47565 | PFSPDGKP CTPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 46859 | PALTAVET GATNPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.001 | -0.001 | t | 51233 | QKPLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 46242 | NTRNIDAT STGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 42493 | MRQLDTN VER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 58418 | SHSSESHR VKSAGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 12307 | EGVQQEG AQQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 18363 | FWRGDLV FDFQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 23068 | GVNLEDP ASRDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 8544 | DHILEPSIP WKSLLTL VQL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 7756 | DDDMGFG LFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.012 | t | 28911 | ITGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 135837 | DMYGDIRL TGLI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.02 | t | 78568 | YATNPQT QLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.02 | t | 78568 | YATNPQT QLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.027 | -0.03 | -0.03 | t | 50304 | QALGALK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.03 | t | 50304 | QALGALK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.015 | -0.01 | -0.01 | t | 42923 | MVDHFHL GDD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.013 | 0.01 | t | 8356 | DGAVQPD GGQPAVR NERA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.044 | -0.039 | -0.04 | t | 15770 | FEWYYQS GLSVVMP V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.011 | 0.01 | 0.011 | t | 61426 | SSTYQYIY NLTICELN G | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.011 | t | 153267 | IWENAGR MV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.016 | -0.01 | -0.01 | t | 66194 | TSFEDINGI RRPKH | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.058 | -0.06 | -0.061 | t | 120184 | RRRATQLA HL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.058 | -0.06 | -0.061 | t | 120184 | RRRATQLA HL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.058 | -0.06 | -0.061 | t | 120184 | RRRATQLA HL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.002 | t | 95354 | ELSEFIPGA SLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.04 | -0.029 | -0.03 | t | 21322 | GMPGGM PGGMPGG MPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 124016 | DKTEDVDI EEMALKLD NVLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.007 | 0.01 | t | 39631 | LSRISSKKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.02 | -0.02 | t | 122886 | RGTDIFY RKPP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.019 | -0.02 | t | 149315 | FLPQQPYP QP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.009 | 0.008 | t | 60013 | SPDDPAFR FAPYFTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.01 | 0 | 0.001 | t | 139404 | YIDINKTIA DMLEQYN PNYT | Felis catus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 142023 | SRKKKAAA AIEEEDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.018 | t | 99909 | ATPTPTPK AAGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 155333 | PADS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78852 | TKDTNNN LCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.027 | -0.03 | t | 144759 | RAALPSHV VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 56900 | SAMSTTDL EAYFKDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.047 | 0.048 | t | 98836 | ISLLDAQS AP | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 115730 | EPTSTPTTE A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 103547 | RGLGEAQL GNSSGNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 114901 | NCSSYANT TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 96003 | WGWCGS TDEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132834 | GTRAKFEG GQAIYEN | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79226 | GCEMSCEI ALVVCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 77900 | HDSPTIRY VEAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 7058 | CSQAAPYI E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115536 | VEELKPTP EGDLEILLQ KWE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115460 | QTPVVVPP FLQPEVM GVSKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61397 | SSTKNLIYT STLCELNV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79565 | HFTTRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99464 | LVALALFLL AAHASA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 7822 | DDLPTTM FQPVRAPC IQTAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 95237 | ALPQYLKT VY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.011 | t | 94580 | LDNKYAGK GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.028 | -0.03 | t | 79013 | LGIASFTR GPKQNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.029 | 0.023 | 0.02 | t | 111684 | QPETTDLY CYEQLSD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.033 | -0.029 | -0.03 | t | 7193 | CTPPALNC YWPLNDY GF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.032 | 0.031 | 0.032 | t | 38970 | LQRATQQ QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.049 | -0.043 | -0.04 | t | 14826 | EVMKLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.038 | 0.03 | 0.033 | 0.03 | t | 110926 | KSEKDSTN NNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 49967 | PVSLGGDV PNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | -0.001 | -0.001 | t | 67615 | VAGRKKLE ELERDLRK TK | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 63217 | TDQMEVD SGPRKRPL RGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | -0.001 | -0.001 | t | 63217 | TDQMEVD SGPRKRPL RGG | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 67615 | VAGRKKLE ELERDLRK TK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 19269 | GEGAPPA KRARTDQ ME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | -0.001 | -0.001 | t | 29852 | KALENKKK QLSAGGK NLS | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | -0.001 | -0.001 | t | 19269 | GEGAPPA KRARTDQ ME | Marmot a monax |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 29852 | KALENKKK QLSAGGK NLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.052 | 0.05 | 0.05 | t | 46982 | PATVPDRE VLYQEFD MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.04 | 0.04 | 0.04 | t | 123374 | KKAVQGG G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 116721 | FSWGGRD SRSGSPM ARR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.003 | 0.003 | 0.01 | t | 134678 | GEWNLPD NCRGGVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.049 | -0.052 | -0.052 | t | 106591 | LARHAKA HIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.023 | 0.021 | t | 99569 | QGLSERRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 142200 | KGLRRDL ASREAKKQ LEAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 71297 | VTFDGGK M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47160 | PDPPQPD FPQLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.01 | t | 149440 | QQQQQPL SQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 145775 | FDTGAFDP DWPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.029 | t | 144785 | SKSIGWAD EEGRTKRY ALVI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.012 | t | 151944 | KFPSESRP NVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.017 | -0.017 | -0.02 | t | 115406 | NRKVKPTT EGGVETE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 1258 | AFASRGN HDSPTHYV PESD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.019 | 0.03 | 0.03 | 0.032 | t | 156894 | KAGDPRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 127899 | YFKEQFLD GD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115745 | FTESQSLTL T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141719 | NTEEYIDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141719 | NTEEYIDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149055 | GSSLHDI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123484 | MDLRIGFG L | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123723 | RVCYNPKF E | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121734 | QCCLADD ECLLSLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121734 | QCCLADD ECLLSLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 100035 | FFPASSRD QSSYLQGF SRNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 102723 | PPTPTPDQ PEPNKPVE PTYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108088 | RAAPFGN QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 66240 | TSGTSGTS GPSGPSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 50913 | QGMQLAE QFKQKAL GLLQQA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 43222 | NANADPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22075 | GRIILSGKP AIIPDREVL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22074 | GRIILSGKP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22074 | GRIILSGKP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135779 | VETGVKIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 128101 | SFSRALEN ATRDYFIC PII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115205 | DELQDKIH PFAQTQSL VYPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 135586 | PFMLAQF DG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.027 | t | 140014 | DSDVGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 151650 | GWWPYA ALRALS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.02 | -0.027 | -0.031 | t | 76368 | YVNTNMG LKIRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 9951 | DRASLST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 75847 | YSPELE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.011 | t | 19091 | GDRAAGQ AAGDRAA GQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | -0.002 | t | 123760 | SSYAKVSIC LPMDTETP LAL | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.008 | 0.007 | 0.01 | t | 66870 | TTTQTQPS KPTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.023 | 0.023 | t | 66751 | TTPAQGTS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.045 | -0.04 | -0.04 | t | 116971 | FAVLKLM GRGTKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.011 | -0.01 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.033 | 0.03 | 0.03 | t | 12542 | EIPDPVEA GEEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.045 | 0.047 | 0.048 | t | 98919 | NSAEPEQS LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.029 | 0.03 | t | 26942 | IKYNGEEYL I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | -0.007 | -0.001 | t | 109277 | GVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79352 | QPMEPQP LPMGPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33232 | KRVKTWR M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8560 | DHPLQKTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148742 | PQQPYYPQ PQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149411 | PQFEEIRN LA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149440 | QQQQQPL SQV | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148821 | QPYPQPQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 136567 | PYWKWQ YKYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149514 | VPQLQLQ NPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149373 | LSQVSFQQ PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149479 | STTIAPFGI F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148949 | SQQPYLQL QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149439 | QQQPLSQ VSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149423 | QEQVPLV QEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149335 | IAPFGIFGT N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.001 | 0 | t | 134115 | KENVKDYY QKWMEE QAQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148820 | QPYLQLQP FP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149434 | QPQPFLP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149516 | VPVPQLQL QN | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|--------|--------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149449 | QYSQPQQ PIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149537 | YPSGQGFF QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149428 | QLQLQNP SQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148872 | QQQQQIL QQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 136596 | RHYQYNF QHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149496 | TIAPFGIFG T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 136219 | FEEYGKIDT IEIIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149436 | QQHHHH QEQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149416 | PQQPISQ QQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148771 | QKQQQLQQ QQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 136593 | RHYKQYQ FHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149441 | QQQQQQQ QPLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149519 | VRVPVPQL QL | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|--------|------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149435 | QPQYSQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148780 | QLQPFQP PQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149317 | FQPQQLP QFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149535 | YPQPQPFL PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149312 | FEEIRNLAL Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149425 | QGFFQPS QQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149315 | FLPQQPYP QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148599 | FPPQQPYP QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 136303 | GARGLTG RPGDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148680 | LQQQQQ QQQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148875 | QQQQQQ LQQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149328 | GSFQPQQ LPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149512 | VLQESTYQ LV | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149442 | QQYPSGQ GFF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148911 | QVSFQQP QQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149527 | WQIPEQS RCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149433 | QPLSQVSF QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149465 | SGQGFFQ PSQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149473 | SQPQQPIS QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 148917 | RDVVLQQ HNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 131101 | TDSEMDV VRFDDDN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.001 | 0 | t | 131303 | PVPSTPPT PSPSTPPT PSPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 130816 | ESKAISDA QITASSYFT NM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 130885 | HQIALRME VLGCEAQ D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 132504 | NNAIEPRS FSQNPPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 107087 | ARGLTGRP GDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 100426 | QKLVFFAE DV | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|--------|-----------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 107087 | ARGLTGRP GDA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 99922 | DAEFRHDS GY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 99922 | DAEFRHDS GY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 73893 | YFSIFNTEL SQSNIEER YK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 74737 | YLKGPRGS VMTTNIYL NSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 74737 | YLKGPRGS VMTTNIYL NSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculus |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 75391 | YPQPQFPF SQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 75691 | YRYNIYSEK EKSININIDF N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 75391 | YPQPQFPF SQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 64843 | TLIDINGKT KSVFFEYNI R | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 74849 | YLNSSLRY GTKFIIKKY AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 50945 | QGQQQPF PPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 45124 | NNIILNLR KDNNLIDL SG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 50945 | QGQQQPF PPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 56557 | RYIWIKYF NLFDKELN EKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0.001 | 0 | t | 38273 | LNLTTWN PTLLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 43826 | NFENAFEI AGASILLEF IP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 51908 | QPQPFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 57874 | SFQQPQQ QYP | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|---------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 56657 | RYSRNAV NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 56657 | RYSRNAV NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 51908 | QPQPFPS QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 44468 | NKCKMNL QDNNGN DIGFIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 44468 | NKCKMNL QDNNGN DIGFIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 53998 | RGTLLIGQV DRLKDKV NNTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 53998 | RGTLLIGQV DRLKDKV NNTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 53998 | RGTLLIGQV DRLKDKV NNTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 51997 | QPYPQPQ PQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 58886 | SKLNE SINK AMININKF LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 58886 | SKLNE SINK AMININKF LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 51830 | QPFPSQQ PYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 50814 | QFQGQQ QFPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 51906 | QPQPFPF QLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0.001 | 0 | t | 51474 | QLPNVGIT QGIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 43438 | NDFPINELI LDTDLISKI E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 51906 | QPQPFPP QLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 57874 | SFQQPQQ QYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 17365 | FPQPQFP PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 27308 | ILSALEIPD VGNLSQV VVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 13471 | ENFSTSFW IRIPKYFNSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 27100 | ILIEMFNKY NSEILNNII L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 27308 | ILSALEIPD VGNLSQV VVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 28322 | IRIPKYKND GIQNYIHN EY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 17410 | FPSQQPYL QL | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 28911 | ITGHRMA WMMMM NWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 11800 | EENISLDLI QQYYLT FN FD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 17365 | FPQPQPFP PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 11870 | EERYKIQSY SEYLKDFW GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 13471 | ENFSTSFW IRIPKYFNSI S | Mus musculu s |

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|---|------|---|---|---|--------|---|-------|---|---|-------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 17234 | FNSISLNN EYTIINCM ENN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 17234 | FNSISLNN EYTIINCM ENN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 17234 | FNSISLNN EYTIINCM ENN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | 0.001 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 9863 | DQKPISNL GNIHASN NIMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 8770 | DIREVIAN GEIIFKLDG DI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.034 | -0.04 | -0.042 | t | 133539 | CYKPGEW AC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.06 | -0.06 | -0.062 | t | 139725 | EMRTRIRY NRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | -0.003 | 0 | 0.002 | t | 12134 | EGCGWAG WLL | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 136301 | GALHQEPS SNLF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135771 | TRVVGGE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115847 | LLYQEPVL GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135969 | PPEPRPRD RSGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121671 | NVKELLVA SPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 66241 | TSGTSGTS GTSGTSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 66241 | TSGTSGTS GTSGTSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 11264 | ECSQAAPY I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149079 | NLTQTQM | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135702 | KLTRAEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103718 | VSVAVSEG KPTEKHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108557 | NLFTQTGT P | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149091 | NSTQMRI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140590 | PYHLALAG V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119583 | GNVFSCSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119450 | FRKADKFP M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 42818 | MTKDCHL LGTFDLSGI PPAP | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 95750 | QYLYQGPI VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.013 | -0.019 | t | 140648 | ALREYRKK MDIPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.023 | 0.022 | t | 41052 | MAILGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.009 | t | 105696 | CAPLKPAK SA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.048 | -0.039 | -0.041 | t | 146178 | AYAPPGA QPPTSrk | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.034 | -0.03 | t | 70522 | VPYVKRVK TW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.049 | -0.05 | t | 39132 | LRKYCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.03 | t | 133661 | NYSPLHNS DITV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.023 | 0.031 | 0.03 | t | 36999 | LKQKALGL LQTATKQA EAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.022 | 0.02 | t | 32635 | KNVVTGE VQVLYTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.003 | 0 | t | 130612 | SPNTAHIT SKSL | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106824 | SEFRHGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 24871 | HSVRGFTS LFSA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 111742 | RRETQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.001 | -0.003 | -0.002 | t | 32902 | KPTKKPTF KTTKKDLK PQ | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 98986 | RKIRPEGR EGEQEWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | -0.003 | 0.002 | t | 60966 | SSEEIVPNS V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 39391 | LSGQPAVI PDREVLYQ QFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.013 | -0.01 | t | 32708 | KPFQCAG VALSRCTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 144676 | GTHPSLQF T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.039 | 0.03 | 0.03 | t | 7998 | DEGKQSLT K | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.045 | 0.05 | t | 116085 | EPANPSEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 69178 | VKAETRLN PDLQPT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.017 | 0.017 | t | 138162 | EKKYSPCA WEVVRAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 17997 | FTKVCGAP PCVIGGAG NNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.01 | t | 6742 | CNYSKFW YLEHAK | Cavia porcellus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.011 | -0.01 | -0.01 | t | 6742 | CNYSKFW YLEHAK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.012 | t | 135458 | FGSDYEDR YYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.033 | -0.041 | -0.04 | t | 106882 | SWHHTVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 146624 | WNWFDIT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 146624 | WNWFDIT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 119366 | TQGEAVLP EEQDPNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115920 | QNQECP RCE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 106238 | AHILRWG NES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 136566 | PYKYTFYK YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137928 | LSADFTPG TEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123453 | LPKIKEYM K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111567 | MRLETSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79565 | HFTTRLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78163 | GERLFT | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45320 | NPDPDPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135643 | CPFGFEGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114785 | ECLLCAHKVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 1698 | AGTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 1698 | AGTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 137546 | LSVCFLILFHGCLAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 105918 | LAPRVARQL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 107479 | KFNWYVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.012 | t | 96455 | KGKNVLINKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.032 | 0.023 | 0.019 | t | 78379 | FEPSKSISGVSHYLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.01 | t | 74488 | YKPLGALTH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | 0.003 | 0 | t | 135917 | EIRRGVMLAVDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.03 | 0.023 | 0.018 | t | 28377 | IRQLLWFHISCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.007 | -0.008 | t | 8930 | DKLKQQRDTLSTQKET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.053 | 0.053 | 0.06 | t | 121812 | RRATQLAH | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.012 | t | 132112 | VLLPAVDF SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 56 | AAARTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.055 | 0.04 | 0.038 | t | 61549 | STDEPAGE SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.055 | 0.04 | 0.038 | t | 61549 | STDEPAGE SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.055 | 0.04 | 0.038 | t | 61549 | STDEPAGE SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.003 | -0.013 | -0.023 | t | 113010 | GRVSTEVD ARLSFDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | -0.002 | t | 24694 | HRMAWD MMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.038 | t | 108152 | TCPPCPAP ELLGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | 0 | 0 | t | 20046 | GGTEESVV TASRS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | 0 | 0 | t | 20046 | GGTEESVV TASRS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.032 | 0.03 | 0.03 | t | 107307 | DAEFGHD SGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43548 | NDYEDRYY RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37171 | LLDPSFDY FQLYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.012 | t | 153469 | STETGNQ HHYQTRV VSNANK | Mus musculu s |

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|---|------|---|---|-------|-------|-------|--------|-------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.011 | -0.01 | t | 72320 | WDMMM NW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 130761 | CSRTSSRT C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 113978 | TVTTVTTH NN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115882 | PFAQTQSL VY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 117386 | TRPINTAQ CGDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.044 | 0.043 | 0.043 | 0.052 | t | 127864 | TLGPSACA PVPA | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 98710 | CLVRTPEV DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115606 | GEGKVTLR IRNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99580 | QPRQEERE FSPRGQH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137448 | SHKLHKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136138 | APYDTPW PSPSL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134789 | RRQGWLK EIRKLQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149094 | QPPNITQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149087 | NPTQSPP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121968 | VFTPRPPD NYKVIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121968 | VFTPRPPD NYKVIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123043 | ASFGAGD AP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103291 | ITSAGRHP DSDIFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78161 | GDDRFLF | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51672 | QNAPQVE NAPQAQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51670 | QNAPQAQ NAPQVE | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158620 | VLNWHPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158620 | VLNWHPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107587 | QYNSTYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.057 | 0.052 | t | 139612 | SRGSESGIF TNTKES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.043 | 0.038 | t | 47304 | PEHRGGP EEFEGAGD GEPPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 119449 | ETPGQKYK ETDLLILFK DDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.012 | -0.003 | -0.01 | t | 49763 | PTRAETRE ERMERKR REKIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.001 | t | 51391 | QLKLNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.02 | t | 65482 | TNWQKLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.033 | 0.032 | t | 76395 | YVRFDLEL TFVITST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 137944 | PGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 137944 | PGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.017 | 0.021 | t | 1577 | AGKLGTVS YGEEKPA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.021 | -0.02 | -0.022 | t | 94743 | YGTDEWE QWW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0 | t | 52594 | QTPPCPIE HCPSFYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.01 | -0.013 | -0.01 | t | 156909 | LAHPFTP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156861 | DSQKPCKC HCTMTQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.009 | -0.009 | -0.01 | t | 55001 | RNIGLSGN PF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119579 | FKDYSSVV RPVEDHR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.03 | t | 108202 | VVSHFND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.029 | -0.027 | -0.022 | t | 117399 | VMIKSLPA LNSPTVEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.039 | -0.041 | -0.04 | t | 60544 | SQRTRDIYI SR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.039 | -0.041 | -0.04 | t | 60544 | SQRTRDIYI SR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.012 | -0.02 | -0.019 | t | 62147 | SVGPPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.02 | -0.018 | t | 50836 | QGAWPA GA | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 123161 | EYLGEEYE E | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115544 | VNELSKDI GSESTEDQ AMED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 127729 | LRWAERQ VGALGAES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 139939 | VLPWPWE | Ovis aries |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119625 | PENNYKTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 129173 | KVEAKEES EESDEDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 102245 | YNMPALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 101932 | NNGGCDA DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45434 | NPNPDPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 41333 | MEECPSHL PYIEQGM QLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 35234 | LDNIKDNV GKMEDIYK KNKT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 35234 | LDNIKDNV GKMEDIYK KNKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 35234 | LDNIKDNV GKMEDIYK KNKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 35234 | LDNIKDNV GKMEDIYK KNKT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.003 | t | 122775 | GIFNTGLK MFPDLTK VYST | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114886 | LCGSDNKT YG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 93039 | ITSKQVDD LI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.04 | 0.029 | 0.027 | t | 68052 | VDQYSNQ NNF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 137919 | LGQNVLSA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.022 | t | 17368 | FPQPQQT FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.008 | t | 68969 | VIGHEITH GFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.027 | 0.03 | t | 11692 | EEINTLQN | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21352 | GMTFRAQ EGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 40152 | LTRILTIPQ SLDSW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130437 | AFRGHIAR EE | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 130437 | AFRGHIAR EE | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130437 | AFRGHIAR EE | Papio |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.01 | t | 97166 | AAIVVGSA A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 32971 | KQELDEIST NIRQAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105152 | DVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35006 | LAVLLGAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.033 | 0.03 | t | 40619 | LVTVNPV SVATANS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.033 | 0.03 | t | 40619 | LVTVNPV SVATANS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.001 | t | 124601 | QGPGLTD WLFPRR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.01 | -0.01 | t | 118579 | RDMLLAN KVPAAR A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 153838 | HQKRTAM FQDPQER | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.008 | 0.013 | 0.015 | t | 46444 | NVPEKQT RGIFGAIA GFIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94637 | PACGRHYS C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94637 | PACGRHYS C | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 10486 | DTSNKFAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 95713 | QKIVAPVK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 95713 | QKIVAPVK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0.002 | 0 | 0 | t | 95713 | QKIVAPVK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 150980 | ETPSSDNG TCYPGDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 118567 | QIEKRIQEII EQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 40019 | LTLNMDS GQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121671 | NVKELLVA SPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115883 | PFPGPIN SL | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 91742 | NCIIIEYGK QNPDSKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 17589 | FRGETKTF NPEEVSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 17589 | FRGETKTF NPEEVSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133950 | WIFANF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106438 | GDFKRTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101937 | NPNPTCN EN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110604 | GLTGRPG DAGPQGK V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78283 | TLSNLTHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115938 | RDMPIQA FLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 153379 | EQEIFTNIT DRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 153379 | EQEIFTNIT DRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.013 | -0.012 | t | 117735 | AEGLMVT GGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 156927 | NTFQAFY | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.011 | 0.01 | t | 65797 | TPVGLAVD TPWVEKES ALSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.01 | 0.023 | 0.02 | t | 74005 | YGGIPGGI STPITQQS EKSK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.002 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.002 | t | 40619 | LVTVNP FVSVATANS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | -0.007 | -0.002 | t | 12142 | EGDDPAK AAFDLSQA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.058 | 0.059 | 0.061 | t | 55924 | RSQDACIE FVQQEVD | Oryctola guscuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 63792 | TGATVSSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.028 | 0.032 | 0.04 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.019 | t | 118196 | VEPTGKRF L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.011 | t | 51145 | QIVGGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104905 | MVGGV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 108382 | GGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.064 | 0.053 | 0.059 | t | 144885 | EPGQLKLN WFKKGSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.007 | -0.01 | t | 118487 | LEIANAHR KPLVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.001 | t | 135441 | AGLGAGIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 144712 | KSLSTEFI PN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 144799 | TLNLT | Mus musculus |

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|---|------|---|---|---|--------|---|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 117773 | CNSRQTD REDELI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 107852 | GEPQSSIIQ Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 102069 | SKSSITITN KRLTRKC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 110920 | KPSPWAP KKHRRLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 69235 | VKIDNASP AS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 61124 | SSIVYEAA DMIMHT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 69244 | VKIPQHM HPLPI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 39164 | LRPGPVSQ PYHHWDT DK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 23511 | GYYPSPDP NTFYAPPY S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 11813 | EENVEENV | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 35252 | LDPHAFHL LL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 21469 | GNLLLSCL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 3656 | APMSTPS ATSVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 10227 | DSSAHGTP STPA | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 6742 | CNYSKFW YLEHAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 72249 | WAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 25852 | IEKKIAKM EKASSVFN VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 31253 | KIFQDHPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.011 | 0.02 | 0.022 | t | 139880 | RDEYDHVL SAKLAEQY DT | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.009 | -0.011 | t | 105485 | QKLVFFAE DVGSNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.007 | -0.01 | t | 82914 | GTGALASS APST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.039 | -0.04 | -0.04 | t | 125321 | YFLHWWY DKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.01 | t | 42684 | MSTNPKP QKKNKRN TNRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.002 | t | 131010 | PSTRWTEL DDVKRLK GSRs | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.002 | t | 133263 | NSSPEYPR KEFASST RGRs | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.021 | t | 16043 | FGQIFRPD NFVFGQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.031 | t | 140657 | ATRLNNEV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.024 | 0.017 | 0.018 | t | 23494 | GYVRSGG AVPPACC N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.01 | t | 43013 | MWLDVM YLKGGG | Mus musculu s |

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|---|------|---|---|------|-------|------|------|------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 123169 | FGGGDAP PA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 114552 | QRQGQG QSQRSEQ DR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 119585 | GQPREPQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 106345 | DKANVLFR CD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115512 | TKKTKLTEE EKNRLNFL KKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 57530 | SELPQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135075 | KNDVVNS QDKTEKTE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123130 | EHLYGRDD R | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131347 | AKAQTDR EDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107489 | KPREQQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98647 | YTKDTNN NLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98647 | YTKDTNN NLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 98647 | YTKDTNN NLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114946 | SEYPKPDC TA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 100585 | TWQTSSN PSIFYTY | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 98647 | YTKDTNN NLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97921 | AYYTKDTN NN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 97921 | AYYTKDTN NN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97921 | AYYTKDTN NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46992 | PAVIPDRE VLYQGFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46824 | PAIIPDREA LYQQFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134884 | DFIVIFEKII REFVP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153355 | ACWLPLTR LCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149048 | FSTQKSI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151005 | KEVLVLW GIHPSTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144668 | GREGYP A DGGPACY CYGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149069 | LPSYLQE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 99368 | KDLAFPGS GEQVEKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 120442 | DLFALAPS LT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.032 | 0.03 | 0.029 | t | 132200 | CGNRGPSL RTTTVTG | Mus musculu s |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.022 | t | 118313 | EALSTLVL NRLKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.01 | -0.009 | t | 159083 | RYKYPET PKQLAKVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.025 | 0.03 | 0.031 | t | 4938 | ATEINDNS WKDTLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.009 | 0.01 | t | 32889 | KPTDG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 127204 | TGHCQGD GYRVGFG Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | 0 | t | 100279 | LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 122471 | LLTEHRMT WDPAQPP RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0 | 0.01 | 0.01 | t | 139074 | HELQQYID NLNKTLDV LDWL | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.001 | t | 41232 | MDIDPYKE FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.072 | t | 11570 | EEEDDD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 32596 | KNQLAGK DEYEAKQK EAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.011 | t | 65974 | TQYERE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 85221 | LGSKIGFK GQED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 106574 | KREACKCI VR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.013 | t | 144701 | KFGNYNH TQLGQLQ AV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.003 | -0.002 | t | 25279 | IAGALEVH AVKPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 119995 | KNEELRLY HHLFNNY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119995 | KNEELRLY HHLFNNY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23195 | GVTYEIDL TNKNAAKL RG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 105510 | SDSKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.022 | 0.03 | 0.032 | t | 140604 | TDQPLSAD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.02 | 0.018 | t | 48999 | PQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 128276 | ALLRNLGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | t | 98902 | MENSAEP EQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 104824 | GWCGSTD EYC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 31894 | KLGVWKS PTDMQS WV | Mus musculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153397 | HTKIHNHP RLPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153835 | HGDTPTLH EYMLDLQ P | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135756 | SCKDDINS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149726 | GSEKEAPT TDFYLKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149424 | QESTYQLV QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149726 | GSEKEAPT TDFYLKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153835 | HGDTPTLH EYMLDLQ P | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103266 | IADIEAYP QWISEYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 113749 | QGQQGQ QLGQQGQ G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142390 | CGRLIRSEL PRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153284 | PTPLSPPLR NTHPQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123860 | YEEHLYGR D | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115845 | LHLPLPLL QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70426 | VPPPRKKR TVVLTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15352 | FCVDPTKG GKKAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99451 | LRRNALRR PFYSNAP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 100262 | LIKKV TNYL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 | t | 29248 | IVEEDAPA TEEIDEIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115982 | SRYP SYGL NY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.023 | -0.02 | t | 49454 | PSPAPSRP FSVLRAND V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.005 | -0.01 | -0.009 | t | 97127 | YSPSPYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | -0.001 | 0 | 0 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.012 | t | 3900 | APVTVTRF VNAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.012 | t | 3900 | APVTVTRF VNAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.026 | 0.02 | 0.017 | t | 58990 | SLAELLNA GLGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.004 | 0 | 0 | t | 19641 | GFVDGLR DLTTTER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.021 | t | 133553 | EDMSYWH EWNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 19900 | GGK MVQ VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 141072 | QVVHVET HRCNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | 0.001 | 0.002 | t | 33669 | KTFPPTep KKDKKKK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.024 | -0.021 | -0.02 | t | 145951 | PVGPSDPS IVSLVEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.022 | -0.02 | -0.02 | t | 18054 | FTQEVSRL NINLHFSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.022 | -0.02 | -0.02 | t | 18054 | FTQEVSRL NINLHFSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10852 | DYAWDDF YAMGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.029 | t | 107521 | LVFFAEDV GSNKGAI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 71568 | VTVVTTS GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 71568 | VTVVTTS GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 78850 | TGAPSLGD YVRPAYIV TPYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 78863 | TPSMDALS AQLYSSL SLDSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 38810 | LQAMRKY SPFRNGY MEPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 53800 | RFVKTPSK KKTKSR | Homo sapiens |

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|---|------|---|---|------|-------|-------|-------|-------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 56918 | SANNDAEI GNLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 47984 | PISLLFNEK EADDNDH EPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 53800 | RFVKTPSK KKTCSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 60062 | SPGGLEPP SEKHFRET EV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 20046 | GGTEESVV TASRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 20046 | GGTEESVV TASRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.033 | 0.039 | t | 122167 | PPPITQGE CKQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.03 | t | 117065 | QFTGSTRQ HAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.024 | 0.03 | 0.03 | t | 69178 | VKAETRLN PDLQPTE | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.024 | 0.03 | 0.03 | t | 69178 | VKAETRLN PDLQPTE | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79963 | PGSSPME VMLRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79963 | PGSSPME VMLRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 142424 | GDEFDTYD DIKKVT | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11775 | EELVEEVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.022 | -0.01 | -0.01 | t | 45632 | NQTEPSQT HNRLYQER QRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.03 | t | 120210 | SQKDLLEQ RRAAVDTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.014 | 0.02 | 0.02 | t | 7124 | CTDGNKE N | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 103510 | QAQLISSQ AQGGGQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112368 | TTYGIGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103751 | YNANGSG AGVTQFL N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78680 | HPPSSRPC ANTPPSE MDTWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149427 | QLPQFEEI RN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153353 | ACWALRD PLCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140876 | KPAVLGH DEAAY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123860 | YEEHLYGR D | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132690 | TCSADGGT LFYNLCL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132690 | TCSADGGT LFYNLCL | Mus musculus |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108082 | QKTTTRPY PNLQIDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98320 | PAYYTKDT NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 98320 | PAYYTKDT NN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115436 | QEVLNENL LRFFVAPF PEVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78227 | PHAMVDH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97919 | AYTPAYYT KD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 97919 | AYTPAYYT KD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97919 | AYTPAYYT KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 60677 | SRGNHVS PAHYVPES DAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 97919 | AYTPAYYT KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 50235 | QAELDDKY AGKG YKLG SK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 53768 | RFRGKDLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22075 | GRIILSGKP AIIPDREVL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137798 | AFRQQFQ YAVEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119592 | HTFPAVLQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 93028 | ISSVSAFTS S | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 100354 | NRGIFNEF KK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 97751 | VRKFFKIIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.027 | 0.022 | 0.019 | t | 78171 | GLPLK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.018 | 0.036 | 0.037 | 0.038 | t | 114910 | NTTSEDGK VM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.014 | -0.02 | -0.018 | t | 19475 | GEVWVTP V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.01 | 0.009 | t | 110762 | AGSSIVPLE EYPAEIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.012 | t | 1465 | AGDGEPP EDDDSAT GLAFRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.02 | -0.013 | -0.01 | t | 55478 | RQQWELQ GDRRCQS QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.009 | -0.011 | t | 63973 | TGTDLELI QILKDHYN ISLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.023 | -0.02 | t | 95357 | ENKVLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.014 | 0.017 | 0.02 | t | 57505 | SEKSEEINE KDLRKKSE LQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0 | -0.002 | t | 97575 | QGRTSP GQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | -0.002 | t | 97575 | QGRTSP GQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.013 | -0.019 | t | 119297 | NTFCDSCI PKTFWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.007 | 0.01 | t | 132903 | SQSSWKS VGSQW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.029 | t | 142436 | KVAATSLE RWQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52358 | QSKVLPVP QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.048 | 0.053 | 0.06 | t | 121774 | RALVGDEA ELPCRISPG K | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 122327 | EEVTTSGP CGEESVLL DRKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.003 | -0.002 | t | 117745 | ALLRNLGK MTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.052 | -0.053 | -0.052 | t | 19424 | GERTRGR QPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.028 | 0.03 | t | 79039 | PGNAPGIA GYNSNGC VYSES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56905 | SANGEPTV KLYTSVEN AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45817 | NSGCFRHL DEREECKC LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 141568 | VFPKDKEG RALQKFLG TIR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.007 | -0.009 | t | 118451 | KGIIDPTKV VRTA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 9585 | DPAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.033 | 0.033 | 0.031 | t | 33222 | KRTISIWG T | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.065 | -0.06 | -0.06 | t | 118141 | SKGRRFKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.007 | -0.008 | t | 45556 | NQGAWPAG | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.02 | t | 95987 | VTFTEVGYTRAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.06 | -0.05 | -0.048 | t | 140939 | YNIALGQRADA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141072 | QVVHVETHRCNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121735 | QCCLAIPH TENS LPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121735 | QCCLAIPH TENS LPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115825 | KIEKFQSEEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 93522 | NVTNSLDKLI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 47175 | PDREALYQ QFDEMEECSASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151060 | SVIEKMNTQFTAVGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144659 | GREGYPADGGAAGYCNTE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131990 | NSPLRIGGWGNSDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119591 | HTCPPCPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113756 | QGQQSGQGQQGYYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114905 | NKCNFCNAV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115969 | SLPQNIPPL T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79144 | ACPSFIQA LTPECM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 92714 | FNDAFNG GDG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79255 | ICTSHQHIL KPMCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45696 | NRLIAFAF AGNHVSP THYVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 131199 | DHSPFYLS TAHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.03 | -0.03 | -0.029 | t | 37038 | LKTNSSLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0.003 | 0.002 | t | 136341 | GTTMPLH AAPHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 61026 | SSGIGPEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0.003 | 0.002 | t | 63022 | TATRLLSST NSRLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.02 | 0.019 | t | 131651 | SEGTGQAL ASPGSCLE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 106561 | KHYAAFPE NLLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.046 | t | 21325 | GMQAFFR PRCAKTL S CA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.03 | t | 51958 | QPRKTKPV KSLPERK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.03 | t | 51958 | QPRKTKPV KSLPERK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 134757 | PEAPRRRS PSPTPTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.004 | t | 142810 | KEWEQIYR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 67449 | TYRFVSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.019 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.029 | -0.021 | -0.018 | t | 52891 | QYDSNGT KLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.04 | 0.039 | 0.038 | t | 36807 | LKASSGYC AWPACYC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.006 | 0.009 | 0.011 | t | 149247 | AEQQWAL YADGSIRP Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115787 | IASGEPTST P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 150971 | CDNTCME SVKNGTYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123798 | TTLKMWS DF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123437 | LKMWSDF LG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112801 | LATPNPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115514 | TLEDSPEVI ESPPEINTV QV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115718 | EAVESTVA TL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 98649 | YTPAYYTK DT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103195 | GASVTVTG QGNSLKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 109237 | GRPGEAG L | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 98649 | YTPAYYTK DT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115690 | AQTQSLVY PF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 141892 | FEEDKKML ELFVQKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 125428 | GSDDYVW LSRLDLAP NYRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 42023 | MLNSQAI DNLRASLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.052 | -0.05 | -0.052 | t | 120319 | WTPPAIFK SYCEIIVTH FPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | -0.001 | 0 | t | 50299 | QALCENPE CVPLKDN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.03 | t | 105747 | EEVVRVPT TAASTPDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 144705 | KGTHSLYS QIAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | -0.006 | -0.002 | t | 33488 | KSQQARQ VKNNNPF S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | -0.002 | t | 9953 | DRCGEDD HDELGFM VP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.037 | 0.043 | 0.04 | t | 69308 | VKRGLTVA VAGAAILV AGLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.017 | 0.021 | t | 133862 | KLKKIIDL DAKEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66060 | TRLNPD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 55639 | RRLGAALL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.017 | 0.01 | t | 96503 | KSGTIFDNFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 115609 | GSLPQKAQGHRPQDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115609 | GSLPQKAQGHRPQDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115609 | GSLPQKAQGHRPQDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 115609 | GSLPQKAQGHRPQDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115609 | GSLPQKAQGHRPQDE | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 70549 | VQEGVQQEGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 70549 | VQEGVQQEGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 36205 | LGLKRGIEKAVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.001 | 0.013 | 0.012 | t | 49557 | PSVYAWERKKISNCVAD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.021 | 0.019 | t | 130599 | RQGEEVYMWRDSMPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 117122 | YTYTDYSTRPHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.01 | 0.01 | t | 2052 | AIPTDPRNVGGDLDPSSIPD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106514 | HKMTNFP DSLLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133956 | WIMSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115484 | SFSDIPNPI GSENSEKT TMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115905 | PVALINNQ FL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111157 | CMPLYGSL AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38693 | LPRSNTSS GAIPPAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29936 | KARRPEGR TWAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115462 | QYLQYLYQ GPIVLNP WDQVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78305 | WHSMFAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 97324 | GDSQATY NY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 86870 | NLFGATLV NA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.011 | -0.01 | t | 64648 | TKPTKKPT FKTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.01 | t | 55581 | RRGPRLGV RATRKTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.032 | t | 49112 | PQQSFPQ QQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.01 | -0.008 | t | 58371 | SHITSYPAY FW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | -0.003 | 0 | t | 33149 | KRHDGGC RKELAAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.02 | 0.02 | t | 107246 | TEIPKEEKD PGMGAM | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.004 | t | 138758 | AMVYLGA KDSTRQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.043 | 0.042 | t | 117948 | KFVETPGQ KYKETDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.009 | -0.01 | t | 46857 | PALSTGLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.03 | 0.03 | 0.03 | t | 123227 | GGGDAPP SH | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133722 | TSKSKYPL VV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.026 | -0.021 | -0.02 | t | 70370 | VPLYNRFS YIPNGALK FVD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | -0.001 | t | 102928 | VYYSGEIIR AATTSPAR ENY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | 0.001 | 0.002 | t | 57296 | SDSVGQQI KVIPVDPY FFQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.043 | -0.046 | -0.047 | -0.05 | t | 24842 | HSQWNKP SKPKTNM K | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.046 | -0.047 | -0.05 | t | 24842 | HSQWNKP SKPKTNM K | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137743 | DTPLTIAGL KLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 9629 | DPESPEKK KLS | Mus musculus |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 53729 | RFKSQDA D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 54545 | RLGAALLQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 44616 | NKVIWDR DWMYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 44616 | NKVIWDR DWMYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.011 | 0.009 | t | 135736 | PRIGGQRE LKKITE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45697 | NRLIAFAS RGNHDSP THYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 122083 | DPNIKLV DDCWATS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 106322 | DAEFRHDS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 104327 | VEQHNPIN AGTELSAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 79444 | VARGDLA ARGDLAA RGDLA | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 95524 | KRQIYTDIE MNRLGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 66976 | TVDNPAST TNKDKLFA VWK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 79368 | RGDLARG DLARGDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 70656 | VQTRHVV QHRSRSES SIESF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 53839 | RGDLQVL AQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 41126 | MASLIYRQ LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 44474 | NKDKLFAV WK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58582 | SIKEDVQF | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 37657 | LLPHSNLD HI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59967 | SNYYSDNE IEQHTAKQ PKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 53839 | RGDLQVL AQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11815 | EENVEENV EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 9516 | DNNLVSG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 279 | AALGDSLY GAASLNDF GILA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 9520 | DNNQTSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 9516 | DNNLVSG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.03 | t | 38816 | LQDGQVKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.02 | t | 17640 | FRRLGAAL LQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 89783 | TVEVEMT ASTAVWD EWSP | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149079 | NLTQTQM | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121685 | NVVPLIVA SPYVDAF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 128069 | PFYPAYEG QFSLEEKSL SLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121685 | NVVPLIVA SPYVDAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123124 | EFKSRIEDL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99283 | GKLFEVKP DKKNPQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106881 | SVMTSNP DRTFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 100573 | TRAQKLFA MWRITY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78161 | GDDRLF | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 41320 | MEECASH LPYFEQG MQLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 12958 | ELAWGIAS DGGALKH GFKTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137737 | DTALTYAG LKLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107020 | YMTPSKHL YWLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99582 | QQFKREL RLPQQCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.006 | 0 | 0 | t | 100075 | GPGVDYK NNLDPLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.02 | t | 45420 | NPNDPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.02 | t | 45420 | NPNDPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.001 | 0 | t | 21469 | GNLLSCL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.01 | -0.011 | t | 122519 | PIECRYPR QGNVSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.023 | 0.03 | t | 134786 | RPVDQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.02 | t | 110303 | KHRRLLSSD QDQSQTP ETPAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 149512 | VLQESTYQ LV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.031 | 0.019 | 0.018 | t | 111445 | KEIEAYIFE MFNENQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.001 | 0.007 | 0.011 | t | 4923 | ATDKEGK DVLVCNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.009 | t | 51392 | QLKLNWF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.007 | 0.002 | t | 125118 | KVAAEQSL ITVEGDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.01 | -0.01 | t | 121065 | WLKVKILP EVKEKHEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.034 | 0.04 | t | 45279 | NNVDQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135587 | QESYSSKK L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | -0.001 | t | 119439 | DGDFAIVH MTKLLEDY TGKI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.015 | -0.009 | -0.01 | t | 147074 | KRKQNLV QAWQAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.001 | 0.002 | t | 52330 | QSGRQPT PISP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.038 | -0.037 | -0.038 | t | 6712 | CNNPHRIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.033 | 0.04 | t | 119502 | NNLGTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 115736 | EVIESPPEI N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 150998 | ILGNPECE SLSTASS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 111158 | CNASTSM QC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 139920 | TGSWFRP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106881 | SVMTSNP DRTFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131077 | SQTTAAPS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98683 | AGGAGE | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80899 | DANYLTGS LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149431 | QPFPPQQ PYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149431 | QPFPPQQ PYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112054 | AVYFCHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103255 | HGTCANQ CPIVDAGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.02 | 0.03 | 0.03 | t | 21715 | GPNNSEAI PALTAAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.02 | t | 47823 | PHGVVFLH VTYVPSQE R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.031 | 0.03 | t | 26506 | IIGRLHLND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.01 | 0.003 | t | 115677 | AHRET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.006 | -0.003 | -0.01 | t | 112725 | WHTSDPL PPAQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.009 | 0.011 | 0.009 | t | 32070 | KLPDDFM GCVLAWN TRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.03 | t | 49749 | PTPSDNPF SKLYKETIE TFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.017 | 0.018 | t | 96874 | SIAPDLSLD FEKLVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 15930 | FFVAPFPE VF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.02 | 0.02 | t | 56846 | SAKREMA QKLAIDQ LT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.009 | 0.01 | t | 12843 | EKPNLSSK RSE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.007 | -0.008 | t | 98794 | GERQH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.022 | -0.02 | t | 148679 | LQQQLVP QLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.037 | 0.041 | t | 115108 | SHGRTQD ENP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 25622 | IDLTKNA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 26293 | IGPEKAFR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.001 | t | 10868 | DYEDRYR E | Mus musculus |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|----------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.013 | t | 62347 | SVTEEIAEEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 111304 | GAVGENVPDDLVIKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.019 | 0.021 | 0.02 | t | 10340 | DTGCAIDITRKEMRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.09 | -0.09 | -0.09 | -0.091 | t | 98746 | EDWRRPSHQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.038 | 0.037 | 0.04 | t | 20455 | GITGETTTT EYSNARYV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.037 | 0.04 | t | 20455 | GITGETTTT EYSNARYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.027 | -0.031 | t | 74801 | YLLQKLRLN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.027 | -0.031 | t | 74801 | YLLQKLRLN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115877 | NVPGEIVSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123588 | PKFEQLKEG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 11576 | EEEEEEEGAGDGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 100201 | KKFIDIFKEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 93510 | NSLDKLISSV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 93058 | KATKDEKIEE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47184 | PDREVLYQEFDEMEECASQL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46833 | PAIVPDKE VLYQQYDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 46756 | PACYCYGL PDSVKIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46823 | PAIIPDREA LYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156871 | FQNIASM PHLYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156871 | FQNIASM PHLYV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156871 | FQNIASM PHLYV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 116037 | YIPIQYVLS R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 104747 | DCGDSFN PLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78400 | GLLNDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115205 | DELQDKIH PFAQTQSL VYPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 135804 | YTNIFLKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 117112 | WPMNDD STRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 69865 | VLYENQK QIANQFN KAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.063 | -0.05 | -0.05 | t | 12944 | ELAKLRAG KASDSQTP DT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.054 | 0.041 | 0.04 | t | 60589 | SQVYTTSE YPSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.02 | t | 68034 | VDPDDVN KNTLQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 141620 | DNPRPND KTGS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 141620 | DNPRPND KTGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 145423 | PPPGMR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.011 | -0.01 | t | 109870 | RTGPAGA A | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 131304 | PVVWKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.013 | -0.011 | t | 105490 | QSRATLGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.013 | 0 | 0.001 | t | 31920 | KLIPNASLI ENCTKAEL | Canis familiari s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.01 | t | 32825 | KPPKYHPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.03 | -0.031 | t | 138191 | HPTWSSL | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.004 | 0.007 | t | 114442 | LATAFQIP REDARRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.009 | t | 122721 | CSNSSSSQ FQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.019 | t | 114149 | YGSLPQKA QGHRPQD E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 153434 | NSPFMLH SALSGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 110625 | HKHAIVTV TYDSEEQR QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.013 | 0 | 0 | t | 140026 | FVFNLKD MFSRANR KRKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.013 | 0 | 0 | t | 140026 | FVFNLKD MFSRANR KRKA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.023 | -0.019 | t | 138884 | NKLLIAFGL VILLVTLP CAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 46025 | NSVGANA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.01 | t | 44684 | NLEDPASR DL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.019 | t | 122156 | NLHIDPTLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.031 | 0.03 | 0.03 | t | 140761 | TYRVDVD GYRND | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.031 | 0.03 | 0.03 | t | 140761 | TYRVDVD GYRND | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.031 | -0.032 | t | 136217 | FAYRTFYK YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 89784 | TVEVEMT ASTGVWN MWSP | Aotus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 158596 | KFGTALW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132091 | STLNSASN HGAWPVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 128476 | DVQLIKTG DKVGASE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 150971 | CDNTCME SVKNGTYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118341 | EVPTVSPIS RFTYHM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123712 | RLFLEYLGE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113139 | QSYKFIPAL E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114871 | KETVPMN CSS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51671 | QNAPQVE NAPQAE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14202 | ESLNTGW LAGLF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22080 | GRIILSGKP AVIPDRELL YR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 8836 | DKAFAVSK DLADKLAA K | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.017 | -0.02 | t | 32621 | KNTTPTW LTQNPQL G | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.009 | 0.003 | 0.002 | t | 33483 | KSQGERS WTWRKEA H | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 143959 | KFPHLAVG F | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 79358 | RCEQSM WTQRLPC L | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.046 | -0.043 | -0.04 | t | 102271 | YYNSLGFN IK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.023 | -0.02 | t | 72326 | WDQMW KCLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.018 | -0.03 | -0.032 | t | 47453 | PEVIRMQ DNNP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.033 | -0.03 | t | 106848 | SKIQTIFR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.02 | t | 51830 | QPFPSQQ PYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.001 | 0 | t | 51908 | QPQPFPS QQP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.027 | -0.03 | t | 144772 | SAHTSHLV GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.011 | -0.023 | -0.02 | t | 42965 | MVLLQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 20654 | GKPAIIPDR E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.01 | -0.01 | t | 123640 | PVRLLELYL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.02 | t | 122129 | KTVTVKED QVMQQN PPKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.01 | t | 149447 | QVPLVQE QQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.03 | t | 139630 | VDIDIKIRS CRGSCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.008 | t | 58403 | SHRGVIAD NQAKWA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.029 | 0.03 | t | 22894 | GTYETGNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.022 | -0.02 | -0.02 | t | 26294 | IGPEKAFR EL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.019 | 0.019 | 0.018 | t | 4528 | ASLKDALL KYIYDNRG TLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.001 | t | 67039 | TVIYSKYG GT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 11814 | EENVEENV EENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135443 | AGLGGV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 132430 | LGFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | 0.001 | -0.01 | -0.011 | t | 31525 | KKELSQKT | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.02 | t | 135895 | ALLRCIPAL DSLTPANE DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 142439 | LARLARLG EACG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149428 | QLQLQNP SQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111140 | CAEPNNLL C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115922 | QPIRCEKD ER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135747 | RAEAVFPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123858 | YDPKFEQL K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111141 | CAKVVQA DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79992 | QRPLRMFL GPKQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 70270 | VPDKEVLY QQYDEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79992 | QRPLRMFL GPKQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 41334 | MEECSASL PYMDETR AIAGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 49651 | PTHYISTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22074 | GRIILSGKP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158695 | ASKSADDV KKAFAKVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158695 | ASKSADDV KKAFAKVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156919 | MLHTSM | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 67931 | VDEKKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 67931 | VDEKKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 67931 | VDEKKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.023 | 0.02 | t | 70320 | VPGSQHY DS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.007 | 0.001 | t | 122655 | YKRGII DR GQYLQL Q ELECD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.062 | -0.05 | -0.05 | t | 79026 | MSDGAV Q PDGGQP A V | MD |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.062 | -0.05 | -0.05 | t | 79026 | MSDGAV Q PDGGQP A V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.028 | 0.033 | 0.03 | t | 10067 | DRYFTY EE PNDG | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 138627 | SQKEVLE G ARASVDR VC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 105510 | SDSKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.001 | 0.011 | 0.01 | t | 23797 | HFLCTFT F NSNNKEY T FPIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | 0.003 | -0.002 | t | 38628 | LPPTAP PLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.009 | -0.01 | t | 47823 | PHGVVFL H VTYVPSQ E R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.009 | -0.01 | t | 47823 | PHGVVFLH VTYVPSQER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.019 | t | 117568 | LKYLEAVE KVKRTKDE LEVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.055 | 0.044 | 0.044 | t | 115612 | GSLPQKA QRPQDEN G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.017 | -0.02 | t | 4849 | ASYKVM RSSHQSLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 76584 | YYQSGLSI VMPVGG QSSFYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 49421 | PSLIGLAM GDAGGYK AADMW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 43332 | NAVFNFPP NGTHSWE YWGAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 56895 | SAMILAAY HPQQFIYA GSLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 1545 | AGGYKAA DMWGPSS DPAWER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 2695 | ALLDPSQG MGPSLIGL AMGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.033 | -0.021 | -0.021 | t | 71851 | VVTHEMA HALG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.004 | 0 | t | 118566 | QDFSQYRS LKFRPKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 106522 | HVTPISKL MWFN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.009 | t | 49801 | PTVAEEH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.001 | -0.001 | t | 86999 | NQKNVRT LEEWE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.004 | -0.01 | t | 52749 | QVMSRSA NEGYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.009 | t | 107229 | RHEVTEM GQEV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 28075 | IPSTAFTDI AWVRLPN HY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.002 | -0.009 | -0.016 | t | 4498 | ASKAALIEE GQRMAE MLKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.015 | 0.013 | 0.01 | t | 141750 | SNLDHILE PSI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141566 | SSIVIPAAV GIKLNVT DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140862 | GTVSYGEE KPAVLGH DEAAY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134217 | RNVILFSVF DENRSWY LTEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112421 | YSSDHKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110597 | GIAGFKGD QGPKGET | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 77802 | TEYSASVK GRFI | Mus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 77802 | TEYSASVK GRFI | Mus |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 143677 | DRVNLRKL RGYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113782 | QQPGQLQ QPAQGQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110833 | EQFNWVS RLANLTQG EDQYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115904 | PTVMFPP QSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110833 | EQFNWVS RLANLTQG EDQYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107753 | ATNMKMS NMHTLIG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77841 | AYDFLYNY L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77841 | AYDFLYNY L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49651 | PTHYISTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133950 | WIFANF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 108030 | MAYVPPY EMIVRELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 77920 | IPPFYKNF WWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.011 | t | 122655 | YKRGIDR GQYLQLQ ELECD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.053 | 0.057 | 0.061 | t | 13834 | EQGSENEE IFVEEVSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 127771 | PRHGHSQ GPWKPWS A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.01 | 0.01 | t | 122730 | DPAQPPR D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.035 | 0.04 | 0.041 | t | 116468 | RPQDENP VVH | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142426 | KAAYGLLK TKNQYVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.01 | t | 53355 | RDGQLTIK AERTEQKD FDGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 34833 | LAKLAGGV AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 34833 | LAKLAGGV AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.024 | -0.017 | -0.018 | t | 30422 | KEGYLVDK NTGCKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.065 | -0.064 | -0.057 | -0.058 | t | 157951 | SKRYAKA MAKMGLK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | -0.01 | t | 70541 | VQDKYGR VCYGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.001 | 0.001 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.001 | 0.001 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135559 | GSDPQHY EG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 32570 | KNNNSTN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 26622 | IIPDREVL YREFDEMEE C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 114280 | CKWSVAH LC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 114280 | CKWSVAH LC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.009 | 0.01 | t | 35076 | LCLILFATS VLAQE | Ovis aries |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 42294 | MPNDPNR N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99759 | VKDGIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.018 | t | 44025 | NGLEYIVG RV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 78762 | PLLPHVIFC HPGQLGA FLTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 158597 | KWPIIDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 131814 | AFLSVDHL GGGGESM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 116681 | CFEGQEKA HNQDLGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115653 | SSYAGQFR VIGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 116681 | CFEGQEKA HNQDLGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115386 | NANEEYS IGSSSEESA EVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79474 | YDAVPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46835 | PAIVPDRE VLYQDFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 41340 | MEECSQA GPYIEQAQ VIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.003 | 0.011 | 0.012 | t | 138094 | YGYATLSY ADYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137551 | PEEVLANA FQISRED | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132087 | SSVNWPP EFRPGEP W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99273 | GFSEVI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 135677 | FTRVVGGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 131833 | AWINPFV KQFSNISF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 101925 | NISQHQC V K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 92667 | FEKVKHNL VI | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.02 | t | 137811 | AVSLGQN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 49321 | PSDKHIEQ YLKKIKNSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.01 | -0.012 | t | 75222 | YNSSRSYW T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | -0.002 | t | 72153 | VYRYDSRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.049 | -0.047 | -0.049 | t | 121527 | LCNEKLLK KARIHPFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | 0.003 | 0 | t | 5558 | AVTFASFD VPSKQPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | 0.003 | 0 | t | 5558 | AVTFASFD VPSKQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0.002 | t | 138198 | KPTSTLT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106457 | GIVDSKLP PIDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.013 | 0 | 0.002 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | 0 | 0.001 | 0 | t | 4021 | AQPGYPW P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.022 | -0.017 | -0.009 | t | 122430 | KGLRRDLD ASREAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.01 | t | 65948 | TQTFLGTT VGGVIW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.018 | -0.019 | -0.02 | t | 10109 | DSESGGHI TH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.003 | -0.013 | t | 30302 | KEALISLT RGKLYTQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | 0.003 | 0.002 | t | 105825 | GGFRIFGIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.022 | t | 95728 | QPPVSQF HIQGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 7013 | CSYGSTIA GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 39394 | LSGRPAIIP DREVLYQE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 39396 | LSGRPAIV PDRELLYQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 39396 | LSGRPAIV PDRELLYQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 26865 | IKPGSADK PKDQLDYE NDIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 72910 | WNSTTFH QTL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 107882 | HEHTFGR QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.04 | t | 68092 | VDVVTGA T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.012 | t | 23125 | GVRLLSGV FSDPAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.019 | t | 144597 | CFLTAAGY GGGLPDS VKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.025 | 0.02 | 0.022 | t | 40938 | LYRPSDSSL AGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.007 | 0 | t | 135470 | KAAQFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.02 | -0.018 | t | 28691 | ISQHQCVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61291 | SSPSSTKSS PSNVKSAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 61291 | SSPSSTKSS PSNVKSAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48999 | PQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23194 | GVTYEIDL TNKNAAKL R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.012 | t | 132641 | RVDKVIDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.033 | -0.032 | t | 30198 | KDLKGYG GVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79409 | TCCLCSGK LALACE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 124281 | HPLATGPH L | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|-------|---|--------|---------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131079 | SQTTANPA CPEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132932 | WGQNNW T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114761 | DCSEYKPK DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77872 | FGTSPTGL KLAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65637 | TPLGPPAA EYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 92463 | DKLISSVSA F | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77923 | ISPTQLYA QVRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63915 | TGPCKTCT IPAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97049 | VKPTAPTK PT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63923 | TGPCRTCT TLAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34243 | KVVQLPKI SKNALKAN G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34243 | KVVQLPKI SKNALKAN G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99833 | PPFSQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 149067 | LNFDPPS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115823 | KHKEMPF PKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.01 | t | 73421 | YAPSSLLP HSVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.02 | 0.017 | t | 131992 | NTVREVD HLDRNS G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.011 | 0.027 | 0.034 | t | 97244 | DLNILERF NYEEAQLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.009 | 0.01 | 0.01 | t | 61778 | STNDNIKD LLD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115068 | KEKVNELS KDIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.009 | 0.01 | t | 64698 | TKWCPPG QLVNLHDF RSDEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | -0.008 | t | 106831 | SFPEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.04 | 0.04 | 0.04 | t | 123591 | PKSQETPA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.03 | t | 117876 | GIMAPPP GMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.008 | t | 38142 | LMTPLDVS FVVITPF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0.003 | 0 | t | 60680 | SRGNHVS PTHYVPES DAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94449 | CCNPA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.01 | 0.01 | t | 94449 | CCNPA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.03 | t | 4453 | ASHLPYIE QGMQLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 158753 | FIEVEELKL FLQNFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 158753 | FIEVEELKL FLQNFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 114870 | KELAAVSV DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142483 | WRMAGQ KRTSGG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137967 | RLTLIANG YRDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 134757 | PEAPRRRS PSPTPTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98760 | ELKPTPEG DL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95689 | PTPTPDQP EPNKPVEP TYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 30476 | KEKMILNE EEITTKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156922 | NLHLGLA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119554 | CNVNHKP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127770 | PRAPPARA SYRRFRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 101252 | SNYWLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142429 | KAYAVEAH LAKTKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 135997 | SLEKKMSN YIQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149133 | YLPNVTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.002 | t | 72087 | VYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.01 | 0.02 | 0.019 | t | 74004 | YGGIPGGI STPITQQS EK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0.003 | -0.002 | t | 36413 | LHQPPPQI FLKILPQSG PIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.003 | -0.01 | -0.011 | t | 43470 | NDKLYRM EYWKTIKK DVW | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.055 | 0.061 | 0.062 | t | 19723 | GGESSEEL SESSFFNLI T | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.017 | 0.01 | t | 106131 | TAIPSCPE GTVPLYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.012 | -0.01 | -0.01 | t | 78811 | RKRNGVD VDPNKGK WKEHI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.009 | t | 46894 | PAPQAPY QGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.033 | 0.034 | t | 141604 | APPDDGP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.035 | 0.041 | 0.042 | t | 21699 | GPLTNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.014 | -0.01 | t | 23136 | GVSELLIST A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.041 | -0.038 | t | 51799 | QPDLIPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.029 | -0.023 | -0.02 | t | 73612 | YDYQHKE GRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 493 | AAVLNLTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 109427 | KPISGHNS LF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 55106 | RPADKTRH KFPTNINK Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.007 | 0 | 0 | t | 55106 | RPADKTRH KFPTNINK Q | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134411 | IPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134411 | IPP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.018 | t | 22280 | GSAMSRPI IHFGSDYE DRYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.029 | t | 122896 | RWNPADY GGIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 107773 | CSVMHEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 18994 | GDGRQTIT NPAYDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94467 | CNPA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 94467 | CNPA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.011 | t | 78436 | KTAISPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.011 | t | 78436 | KTAISPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.022 | t | 134492 | QIQRRPS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.013 | -0.02 | t | 108210 | WFTSWER DWW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.02 | 0.02 | t | 31116 | KHIDAYKT FPPTPKK DKKK | Macaca cyclopi s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.008 | 0.01 | 0.013 | t | 34537 | KYNDDDT FTVKVGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.002 | t | 22305 | GSDYEDRY YRENMHR YPNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149030 | DFRFESSLS INDHA | Rattus norvegic us |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.023 | 0.017 | t | 134020 | CPEPQLR MKNNEEA EDYDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37315 | LLGCIGSTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38312 | LNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38312 | LNPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135488 | PIFPGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106938 | TTVQLYST YPAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.007 | t | 106766 | RATKGISGI KNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.013 | 0.017 | t | 108607 | RGAQGPP GATGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 40019 | LTLNMDS GQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137576 | SRQEWQQ QDECQIDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121346 | GPGHPIRA LVGDEAEL PC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 100585 | TWQTSSN PSIFYTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 93679 | READFAKE VP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 119992 | KLGTWTY DGSVVAIN P | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 119992 | KLGTWTY DGSVVAIN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119992 | KLGTWTY DGSVVAIN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133951 | WIFNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103928 | GKLPIAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78746 | MDTWNP PLGSTSQP CLFQTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50105 | PYIEQGM QLAAEFKQ KALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11565 | EEDTEKDK PK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 86551 | MTAEPKTI VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 52594 | QTPPCPIE HCPSFYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115742 | FPKYPVEP FT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.045 | -0.05 | -0.052 | t | 97301 | FFWTILKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 24591 | HQLDPAF GANSTNP D | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.008 | -0.014 | -0.017 | t | 78266 | RYNPPD | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 113942 | TQDENPV VHF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 113942 | TQDENPV VHF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 116164 | RTPPPSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 116001 | TQDQDPV VHF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 114042 | YGSLPQKA QRPQDENG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 95042 | SPESDRPD LST | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70304 | VPGIDPNA CHYMKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 73554 | YDKPYMYML NLYDPNKY VDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135439 | ADAAAAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.024 | 0.019 | 0.02 | t | 94914 | RELADALL E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.056 | -0.076 | -0.07 | -0.071 | t | 60642 | SREAKKQV EKAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.017 | 0.013 | 0.01 | t | 24201 | HLFEAP | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.009 | t | 105228 | GLMVGGV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.012 | t | 95132 | PYVTYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 75848 | YSPEVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.021 | -0.021 | t | 32887 | KPSTLYKM TVEAVK | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 55781 | RRYPF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.003 | 0 | 0 | t | 125238 | RLPLPPNQ KR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.019 | 0.036 | 0.03 | 0.03 | t | 63215 | TDPTGIEP DDHLKE | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.004 | 0 | t | 118582 | RGYISPYFI NTSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 142427 | KAEKDAEA AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 56956 | SAQSGPSG TSAPSGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.021 | 0.02 | t | 138456 | KEQFEFAL TAVAEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106301 | CDIKTTLPP I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.007 | -0.011 | t | 70816 | VRRRGDS RGSLLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.04 | t | 42603 | MSLSLLDL YLGRGYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | 0 | 0 | t | 20046 | GGTEESVV TASRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.001 | 0.002 | t | 65678 | TPPAYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.05 | 0.043 | 0.05 | t | 131944 | LDEDGEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 69899 | VLYREFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45697 | NRLIAFAS RGNHDSP THYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.041 | t | 133701 | SRNKHKR | Mus musculu s |

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|---|------|---|---|------|-------|-------|-------|-------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.022 | t | 149316 | FMAYTDE TFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.03 | 0.033 | t | 62942 | TAPGPGEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.019 | 0.02 | t | 120679 | KIFADDID | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.009 | 0.007 | 0.01 | t | 139730 | EQLAGNLR ENIE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 102076 | SNPIELL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 157218 | EQHRRQQ QHQQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131038 | RKIAKDEG AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108259 | AAFSELPL G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103266 | IADIEAYP QWISEYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103255 | HGTCANQ CPIVDAGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103195 | GASVTVTG QGNSLKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108272 | ALARLMP GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78227 | PHAMVDH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46993 | PAVIPDRE VLYQQFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39400 | LSGRPAVI PDREVLYQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46834 | PAIVPDRE LLYQEFDE MEEC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11967 | EFDEMEEC ASHLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 20141 | GHIELEGK PALVPDKE VLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149425 | QGFFQPS QQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149099 | RVLTSMD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.021 | -0.01 | -0.008 | t | 29897 | KANADAK AAYEAAV AANNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0 | 0 | t | 47638 | PGEVWVT P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45699 | NRLIAFAS RGNHVAP THYVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 58405 | SHRLLQTY WSSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.012 | t | 52089 | QQPFPQS QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.023 | 0.022 | t | 118428 | IRYFILPDSL PLDTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.019 | -0.02 | t | 56061 | RTGLDFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.032 | t | 95545 | LDTDYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.029 | -0.033 | -0.04 | t | 138141 | ANKTSPFL MWRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0 | 0.013 | 0.01 | t | 9352 | DMANPM SPVNSFEI EVTCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 136068 | KATV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 108870 | DLLMGTL GIVCPICSQ KP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 30596 | KERSSLRY GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | 0.001 | -0.001 | t | 135741 | QGETEEAL IQKRSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.008 | t | 50236 | QAELDNKY AGKGYKLG SK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.002 | 0 | -0.002 | t | 52156 | QQTAPKA PTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131023 | QTTANPSC PE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 76616 | YYTKDTNN NL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 76616 | YYTKDTNN NL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47012 | PAYYTKDT NNNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.033 | -0.032 | t | 95501 | KKISQRYQ KF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 98945 | PSSQVSFQ QPLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 47546 | PFPQPQQ QLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 30477 | KEKMLLNE EEITTKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 30476 | KEKMILNE EEITTKG | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149435 | QPQYSQP QQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149435 | QPQYSQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127722 | LGRNSTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115436 | QEVLNENL LRFFVAPF PEVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98781 | FPSQQPYL QLQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78227 | PHAMVDH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97304 | FKIISDGTQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45696 | NRLIAFAF AGNHVSP THYVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47119 | PDKEILYEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56275 | RVEHAVVY YVYSPSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22082 | GRIILSGKP AVIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22104 | GRIVLSGK PAIIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135754 | RYVNWIKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 81550 | EIKVQMSA AY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.012 | t | 118441 | IWLWNKQ KYEAGTYP QT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.032 | t | 60535 | SQQPQQP FPQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.01 | 0.002 | 0.003 | t | 157429 | IQVYRSDV PVN | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.007 | t | 130737 | ASAVISAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.012 | 0.006 | 0.003 | t | 78266 | RYNPPD | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.027 | -0.021 | t | 122642 | VTVQHKKL RTPLNYI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.051 | -0.04 | -0.038 | t | 111924 | VSGLQYRV FRIHLPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 17365 | FPQPQFP PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.023 | -0.02 | t | 65837 | TQEIFSFLIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | -0.001 | 0 | t | 25512 | ICLTRTDR GWFC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.01 | t | 56864 | SALLEDPV G | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.015 | -0.017 | -0.02 | t | 78107 | ATYQSEYL AHRIPP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 48002 | PITNDQKK LMSNN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 48002 | PITNDQKK LMSNN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.066 | -0.06 | -0.06 | -0.06 | t | 123244 | GMIPPPGL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.01 | t | 39160 | LRPFHQILY GMS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.027 | 0.02 | t | 135933 | GVELRQLT PEQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 1385 | AFRELADA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 40578 | LVSFGVWI RTPPAYRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 17580 | FRELADAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.004 | t | 127852 | TCTIKVVG GYQVNIRV GDTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.021 | -0.02 | t | 41661 | MHGSRNN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | -0.003 | 0 | t | 96021 | YLQYLYQG PI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.049 | 0.055 | 0.048 | 0.048 | t | 52893 | QYECETAK ELES | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0.002 | t | 61818 | STPGIVI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138144 | APGAPAP GQAPAVE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 148854 | QQQFPEQ SQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 122998 | AAMDRLRI GF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 101921 | NGGCDAD AT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114937 | RFPNATDK EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 63916 | TGPCKTCT TPAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46970 | PATIPDRE ALYREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22086 | GRIILSGRP AIIPDREVL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22074 | GRIILSGKP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22074 | GRIILSGKP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22088 | GRIILSGRP AIVPDRELL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22089 | GRIILSGRP AVIPDREV LYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158583 | APPHLPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136392 | IPKSRKRRI PQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151067 | VDDGFLDI WTYNAEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136392 | IPKSRKRRI PQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149108 | SLPNLTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115453 | QQKEPMI GVNQELA YFYPEL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115853 | LSFMAIPP KK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 105164 | EFRHDSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 79219 | FWLAVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.007 | 0.009 | t | 10815 | DWIWNQ MHIDEEK NE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 70951 | VSGGSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.031 | t | 130871 | GSESGIFT NTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.029 | t | 119495 | MAENGD NEKMAAL EAKICHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.011 | t | 118430 | ISDAMKKV GRKGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.001 | 0 | t | 153249 | AFRANTA NPDWDFN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.001 | t | 41232 | MDIDPYKE FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 27421 | ILYEFDE M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 51146 | QIVGGVYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 6938 | CRQLGKQ RC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.01 | 0.01 | 0.01 | t | 123053 | AVQGPVP G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.011 | -0.012 | t | 38010 | LMDPVFG FDRRVPVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.042 | t | 136069 | KEADIS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.003 | -0.01 | t | 135956 | LRQLTPEQ LSTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 24749 | HSYHYHKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.009 | t | 108295 | CKRDSTW C | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.031 | t | 105748 | EFRHDSGY EVHHQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.002 | t | 96211 | EDKKRKEE EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 135501 | SQWNKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.011 | -0.01 | t | 26306 | IGQLVIEHY ADT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | 0 | t | 115611 | GSLPQKA QRPQDEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62858 | TAGLVGLL TPG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62858 | TAGLVGLL TPG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24870 | HSVRGFTS LFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.06 | 0.067 | 0.063 | t | 119908 | GNIGIDVE DEDSDEDE F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.06 | 0.067 | 0.063 | t | 119908 | GNIGIDVE DEDSDEDE F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.008 | 0.009 | t | 151076 | YPGDFIDY EELREQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.011 | t | 41609 | MGQHPAK S | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.006 | -0.01 | -0.011 | t | 134333 | CIPIPSSW AFARFLW | Homo sapiens |

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|---|------|---|---|------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.003 | 0.003 | 0.009 | t | 131016 | QESLDMN SARDF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 118752 | AVGADES VVKEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 127772 | PRHRHPQ DPRSPGPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 124986 | ANCLNTCK NK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.004 | 0 | 0 | t | 124986 | ANCLNTCK NK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138241 | SQPEILED ARASVDTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138241 | SQPEILED ARASVDTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132078 | SQGWGDP PKSNQSLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131079 | SQTTANPA CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101921 | NGGCDAD AT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79249 | HFQYRM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 92451 | DFAKEVPN YK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48685 | PNPLGFFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47179 | PDRELLYR EFDEMEEC PSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58768 | SIYPGTITG HRMAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21815 | GPVEDAIT AAIGRVA | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21815 | GPVEDAIT AAIGRVA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36425 | LHSTSPEG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4451 | ASHLPYIE QGMHLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103347 | LFSRVEDV LGLPQNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115730 | EPTSTPTTE A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.038 | 0.051 | 0.052 | t | 53702 | RFFRDEKE LQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.002 | 0 | t | 65050 | TLRVYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0.001 | t | 106057 | REFSPRGQ HGRRERA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.008 | 0.023 | 0.022 | t | 58938 | SKSIGGTP ALDRRVQ DVNDT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.027 | 0.03 | t | 22405 | GSLFESTCT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.033 | -0.03 | -0.03 | t | 10774 | DVVLMKV PTIPKFRDI TQHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.011 | 0.017 | t | 130816 | ESKAISDA QITASSYFT NM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 50445 | QDCNCSIY PGHASGH RMAWD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.023 | -0.02 | t | 89403 | TFNGAYTP AN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 65051 | TLRWFFNL FQLYRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.001 | 0 | t | 68054 | VDREGRD NVRSKGV | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 51806 | QPELAPED PED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 50180 | PYVEPTAP QVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 17128 | FNASDSVG QQIKVIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 17284 | FPFNASDS VGQQIKVI P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 31794 | KLDVVKLL YNEQFAV QGLLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.039 | -0.032 | t | 130800 | EGAKAFFK GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0 | t | 14905 | EVWREEA YHAADIKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 14905 | EVWREEA YHAADIKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.027 | 0.032 | t | 120610 | IFADDID | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0.001 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 68473 | VFGKEKVN ELSKDIGSE STE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 76384 | YVPLGTQY TDAPSFSD IPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 68322 | VEQKHIQK EDVPSEY LGYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 74689 | YLGYLEQL LRLKKYKV PQLE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.001 | t | 52082 | QQPFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 55186 | RPKHPIKH QGLPQEV LNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 38207 | LNENLLRF FVAPFPEV FGKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 57630 | SESTEDQA MEDIKQM EAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 26341 | IGVNQELA YFYPELFR QFYQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 8756 | DIPNPIGSE NSEKTTM PLW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 56714 | SAASANG PLWFFIF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.023 | -0.023 | t | 106492 | GWVDHFA DGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.017 | -0.02 | t | 14263 | ESSCTFMP EGTVCSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.02 | t | 11033 | EAESISSE EIVPNSVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.038 | -0.043 | -0.05 | t | 102833 | TARAWCQ VAQKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.042 | 0.037 | 0.03 | t | 106628 | LSSREPQA R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 132029 | QLGPTCLS SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.011 | -0.01 | t | 82608 | GENKFVAT AASV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 66240 | TSGTSGTS GPSGPSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 48598 | PNANPNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.008 | t | 98116 | IKYNGEEYL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.008 | 0.011 | 0.01 | t | 39011 | LQVPSPS MGRDIKV QFQSGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.028 | t | 35763 | LEYDPRLV YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.023 | 0.03 | t | 122167 | PPPITQGE CKQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.017 | -0.009 | -0.011 | t | 71216 | VSWFAST GGRDSKID VWSLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.023 | -0.02 | t | 158933 | KTFFHTIGF ASKSADDV K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 1258 | AFASRGN HDSPTHYV PESD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 1258 | AFASRGN HDSPTHYV PESD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.002 | t | 18879 | GCIGSYCV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.017 | 0.02 | t | 23422 | GYNVSSIV TMTSQGM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0.001 | t | 135835 | CWAFSGV AATESAY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.036 | 0.043 | 0.04 | t | 6926 | CRGGEPPS PKTCGSYT YTYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 100501 | SEEEKELLN R | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103476 | PGQGAYA AANSWVD V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79957 | PALELIRM VECS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123127 | EGAAMD LRI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133555 | EGPEYWD RET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113762 | QPAQGQQ GQQPGQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 63917 | TGPCKTCT TTAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 77905 | HLSPTMLR WEQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78297 | WHELYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 41338 | MEECSQA APYIEQAQ AIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 34353 | KYALADAS LKMADPN R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 34353 | KYALADAS LKMADPN R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11589 | EEEITTKGA SAQGSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 5683 | AWPACYC YGLPDSVK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 65516 | TPCAAEE S KLPINA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.002 | -0.01 | -0.01 | t | 49289 | PSACLSPQ AY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103694 | VGNVGLST IAGRLLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114786 | EDGKVMV LCN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 5333 | AVFVTLYM PQLSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.008 | t | 107856 | GGQGSRH QQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 79586 | KIPIALS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | -0.003 | 0 | t | 21722 | GPPAAEY WNSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.013 | 0.01 | t | 21664 | GPIRPTLP GILGPLAP NTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.012 | t | 144705 | KGTHSLYS QIAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.011 | 0.009 | t | 46973 | PATIPDRE VLYREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 51147 | QIVGGVYL L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.001 | t | 42487 | MRNVPEK QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.001 | t | 42487 | MRNVPEK QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.003 | -0.009 | t | 119608 | LGTWTYD GSVVAINP ES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 153359 | ALLPFKDH LPYPGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 110767 | AKEEISFVA TFS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.02 | t | 102130 | TKLYQNPT TYISVGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 43237 | NANPDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.02 | t | 131343 | AIAWHQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.02 | t | 131343 | AIAWHQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.023 | 0.03 | 0.028 | t | 104305 | THQDIDFLI EEIERLGQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.01 | -0.02 | -0.022 | t | 52600 | QTQQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.015 | 0.01 | 0.01 | t | 70249 | VPANIKSM ALSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.017 | 0.011 | t | 125453 | KDRLQGM APAAGAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.033 | 0.03 | t | 56479 | RWGSYAI GGSASPW LTQTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.001 | t | 58921 | SKPTTKQR QNKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.012 | 0.01 | 0.009 | t | 48131 | PKQRRPQ GLPNNTAS WFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 55675 | RRPKHLYV SMPTAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 133737 | VTPYFSYP VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.029 | t | 97479 | LTAWNPSL | Mus musculu s |

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|---|------|---|---|------|--------|-------|-------|------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.029 | 0.014 | 0.02 | 0.02 | t | 52749 | QVMSRSA NEGYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | 0 | t | 148567 | DKSKLQDV KDNKPSD VKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | 0 | t | 148576 | DVKDNKS TDVKLPVV KAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | 0 | t | 148575 | DVKDNKP SDVKLPVI KAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 144791 | STIDYFQP NNKR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0.001 | 0 | t | 148521 | CNTKCQTP MGAINSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0.001 | 0 | t | 148529 | KLRPFERDI SNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | 0 | t | 148569 | DKSKLRDV KDNKSTD VKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 116563 | TGKIPWILL PGR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 116505 | SGKVPWL KPGR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 110685 | PMDTFIVS TNPNTVTS STPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 110652 | LCLIGCKPP IGEHWGK GSPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 111088 | ACQKHTP PAPKEDDP LKKYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 111450 | KGSPCTNV AVNPGDC PPLEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 111583 | NKFGFPDT SFYNPDTQ RLVW | Homo sapiens |

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|---|------|---|---|---|--------|---|-------|---|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 108551 | NDSLNTGF LAFLFYTKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 108600 | QLINTNGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 60684 | SRGTSMD DEADR | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 66480 | TSVENAQ QDKGIAIP HDIDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0.001 | 0 | t | 97231 | CNTKCQTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 63611 | TFASRGTS MDDE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 94762 | AAPAKKA APAKKAA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 66312 | TSLNLQKD EPNGRAS DTAGQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 94763 | AAPAKKA APAKKAA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 91218 | DVLEATYA MVQHVAK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 73920 | YFTYEPPN DGEE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 70661 | VQVRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 70651 | VQTGGTS RTVTMRYL AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 63805 | TGDLRAY | Homo sapiens |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 69124 | VITGSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 66330 | TSMDEA DRYFT | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 82608 | GENKFVAT AASV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 70817 | VRRRVNA ANKKPEDL TLNDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 71568 | VTVVTTSG S | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 66509 | TSYVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 94762 | AAPAKKA APAKKAA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 94847 | IELPKKAAP AKKAAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 82078 | FHQNGQV TEVTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 71568 | VTVVTTSG S | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 73649 | YEEPNDGE ERQS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 60914 | SSATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 60710 | SRKAYDH NSPYIWPR NDYDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 70817 | VRRRVNA ANKKPEDL TLNDL | Homo sapiens |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 73744 | YEPYYHSD HAESSWV NRGES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 91222 | EAITDRIM LYQE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 39254 | LRILA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 50304 | QALGALK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | 0 | t | 53800 | RFVKTPSK KKTCSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 41866 | MKNNPIYS EGSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 50636 | QELDCWH YHQYCITS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0.001 | 0 | t | 38273 | LNLTTWN PTLLG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 54237 | RIRFKDDT SF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0.001 | 0 | t | 51474 | QLPNVGIT QGIV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 59640 | SMDDEAD RYFTY | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 46276 | NTTASDQL LVENAAG HRVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 41866 | MKNNPIYS EGSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 56534 | RYFTYEED NDGE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 48613 | PNDGEER QSYWF | Bos taurus |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 50636 | QELDCWH YHQYCITS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 48331 | PLGFFPDH QLDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 41219 | MDDEADR YFTYE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0.001 | 0 | t | 47077 | PDDVNKN TLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 46792 | PAFGANS NNPDWDF NP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 51233 | QKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 41866 | MKNNPIYS EGSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 46371 | NVESQPG GQPNT | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0.001 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 22835 | GTSMDDE ADRYF | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 31932 | KLKECPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 11013 | EADRYFTY EEPN | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 19251 | GEERQSY WFENR | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 34243 | KVVQLPKI SKNALKAN G | Homo sapiens |

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|---|------|---|---|---|--------|---|-------|---|---|-------|---------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | 0 | t | 20046 | GGTEESVV TASRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 19520 | GFFGAIAG FIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 34244 | KVVQLPKI SKNALRND G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 29067 | ITRHEQQLI V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 15281 | FASRGTS MDDEA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 20838 | GLFGAIAG FIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 22217 | GRTPFII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 25541 | IDAVNKRG RKQNKRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 20838 | GLFGAIAG FIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 32616 | KNTLQAR QQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 11819 | EENVEHD A | Homo sapiens |

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|---|------|---|---|---|--------|---|-------|---|---|-------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 32418 | KMVYATN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 22986 | GVGSSAVI LDDNFVT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 29126 | ITTYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 24730 | HSDHAESS WVNRGES SRKAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0.001 | 0 | t | 19096 | GDRADGQ PA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 10067 | DRYFTYEE PNDG | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 766 | ADRYFTYE EPND | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 7761 | DDEADRYF TYEE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 4856 | ASYVKKPK EDVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 2198 | AKGVEFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 6742 | CNYSKFW YLEHAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 7771 | DDFHTDE DKLDTNSV YEPYY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 7171 | CTKPTDGN NC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 7901 | DEADRYFT YEEP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 7171 | CTKPTDGN NC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 4749 | ASRGTSMD DEAD | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0.001 | 0 | t | 4885 | ATALDTSN KFADFLQI | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.023 | -0.033 | -0.043 | t | 113008 | GRILDWH VANTDKKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.007 | t | 46894 | PAPQAPY QGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.023 | -0.027 | -0.02 | t | 127759 | PDSLIYSTV LHY | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 94615 | NPA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.02 | 0.02 | 0.02 | t | 94615 | NPA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132667 | SNYRAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.031 | 0.031 | 0.029 | t | 9929 | DQYCADV AAEELMNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 79603 | LLTTDEL | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 153398 | IDRTPTNF HTQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 95163 | VLPGHQPS NGNMIYS YHTME | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 45878 | NSKNPVP VKKEAKLS EAEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135945 | KFGADAR ALMLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153353 | ACWALRD PLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135905 | CLFDRRLC SHLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114939 | RPICGTDG VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117384 | TPRLNTAT LWIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115420 | PLTQTPVV VPPFLQPE VMGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4452 | ASHLPYIE QGMLQAA EFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.013 | 0.012 | t | 98801 | GILLEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.003 | -0.008 | -0.01 | t | 130513 | IGYQPSMP LDMP | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.022 | 0.033 | 0.032 | t | 72466 | WGENDTD VFVLNNTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.021 | 0.02 | t | 60721 | SRKSYKKM LKEMGEV APEYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.012 | -0.01 | -0.01 | t | 116035 | YGSLPQKS GHRTQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.041 | 0.042 | t | 131058 | SATTANPS CPEGT | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156907 | KVGDPLW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.023 | 0.02 | 0.019 | t | 75443 | YPYDVDPY ASL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.019 | t | 75443 | YPYDVDPY ASL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.006 | 0.01 | t | 75561 | YQTELARV QKANADA KATY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.017 | 0.011 | t | 108126 | SIFFAVVLE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.018 | 0.01 | 0.008 | t | 64049 | THLKASSG YCAWPAC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.018 | 0.01 | 0.008 | t | 64049 | THLKASSG YCAWPAC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 61289 | SSPSNVKS ASPHGES | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 43233 | NANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.01 | -0.01 | -0.01 | t | 43233 | NANP | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | -0.001 | t | 135834 | CEFRDGA GSICG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | -0.001 | t | 135834 | CEFRDGA GSICG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.003 | 0 | t | 27716 | INPPNSDV VFPGGSPV AQYC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135477 | LGAGLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.033 | 0.032 | t | 76395 | YVRFDLEL TFVITST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 60642 | SREAKKQV EKAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 49271 | PRVRGLYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.002 | 0 | 0.002 | t | 49271 | PRVRGLYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.012 | t | 131656 | SGKLEEFV Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.044 | -0.049 | -0.049 | t | 69515 | VLGRLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115842 | LEELNVPG EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 142384 | AGVLRQE QANSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149113 | STPNVTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149054 | GSPNFTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138212 | PAAPPAAP GGPGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104732 | ASAYCST WDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116820 | RDEDSYGR DPYSPSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115799 | IRCEKDER FF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104889 | LPGERQI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110610 | GPKGAPG ERGPSGLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79358 | RCEQSM WTQRLPC L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 41329 | MEECASQ LPYIEQGM QLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 41332 | MEECGSH LPYIEQGM QLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47184 | PDREVLQ EFDEMEEC ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 14887 | EVTQHGSF SYVTGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 4259 | ARSLATLFS PGARQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132935 | WGSNAEH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115477 | SAEVATEE VKITVDDK HYQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79385 | SCRLSTFS MRMVCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 77842 | AYIDFEMK I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 77842 | AYIDFEMK I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41343 | MEECSQH LPYIEQGM MLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 21617 | GPFFLSPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 132000 | PGEPWKG YPNIDPET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.03 | t | 20722 | GKVTNGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 98729 | DIQKVAGT WY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.012 | -0.01 | -0.01 | t | 122897 | RYSDLLMA WGQYIDH DIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 140892 | QILDAHAA YLNATPAA KVLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.03 | -0.023 | -0.02 | t | 1740 | AHAAYLN ATPAAKVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 57885 | SFRRLGAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.003 | -0.007 | t | 122116 | IPDSRLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0.003 | t | 51252 | QKSKQNIG ALKQEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 132861 | LKRGIEKA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 139841 | PAGRQAR RPATVPEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.019 | t | 108050 | NRDNTYN RVSEDLRS RI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.049 | -0.05 | -0.048 | t | 94979 | YNKRFPGF VSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.028 | 0.039 | 0.041 | t | 68473 | VFGKEKVN ELSKDIGSE STE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 99761 | VKVGDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38823 | LQDPRVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 66462 | TSTGPCKT CTTPAQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 151842 | EHSGQAA WKQVV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99838 | QQRPF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70671 | VQWMNR LIAFASRG NHVSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.002 | -0.009 | -0.016 | t | 4499 | ASKATLIEE GQRIAEM LKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.029 | -0.02 | -0.019 | t | 66194 | TSFEDINGI RRPKH | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135703 | KNGRCEQ F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 158617 | TVQPQFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 92556 | EIIGQNGE RI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133954 | WIKENF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 131771 | YLSLTPE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 6501 | CKLSQGAP DSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 114293 | DDNGLEET ICTLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135896 | APHLTRAY AKDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139902 | SPFNPRV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104926 | PDGSRLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105069 | AEFDLDIL AGTEAA | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104926 | PDGSRLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 108856 | DGIPGAKG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115474 | RVYVEELK PTPEGDLEI LLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | 0 | 0.003 | 0 | t | 42683 | MSTNPKP QKKNKRN T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.012 | t | 49108 | PQQQPFPP QPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0.003 | t | 64534 | TKDASIDY HE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.01 | t | 21928 | GQPAVRN ERATGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.047 | -0.06 | -0.063 | t | 110332 | LYRWR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 140835 | DAVKGYLA GKGVDAG KLGTV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135484 | MSRPLIHF GN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.022 | t | 95547 | LEKFDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 66682 | TTKPTKKP TFKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.017 | -0.018 | t | 111450 | KGSPCTNV AVNPGDC PPLEL | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 64685 | TKTQYSKF NT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | -0.002 | t | 21704 | GPLYHTP | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 94620 | NPACGPK Y | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | -0.001 | t | 141671 | IAESKQLT VKQKTEQI K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94618 | NPACGP | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 64113 | TIAGAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 64113 | TIAGAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 122597 | SVDDARK AWIHDFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.021 | t | 34341 | KWYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.031 | -0.02 | -0.018 | t | 111929 | VTFCKCD STLRLCVQ STHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 120070 | LLDQRLAL QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 120070 | LLDQRLAL QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 120070 | LLDQRLAL QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 120070 | LLDQRLAL QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135572 | LLCEDGCL AL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149425 | QGFFQPS QQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 134773 | QKSTHLLIR KLPSFR | Homo sapiens |

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|---|------|---|---|------|------|------|------|------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 150999 | IPSIQSRGL FGAIAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132372 | IARGGFER ALDD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115571 | YQLDAYPS GAWYYVP LGTQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103532 | QSSFYSD WYSPACG K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114799 | ENPVVHFF ENIVTPRT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47183 | PDREVLQ EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47174 | PDREALYQ EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46972 | PATIPDRE VLYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39402 | LSGRPAVV PDREVLQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39398 | LSGRPAIV PDREVLQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46999 | PAVVPDRE VLYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 52151 | QQSPEQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39400 | LSGRPAVI PDREVLQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39394 | LSGRPAIP DREVLQ FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39373 | LSGKPAIP DREVLQ FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46991 | PAVIPDRE VLYQEFDE MEEC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151031 | LVKKGNSY PKLSKSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119528 | SRKKTFTG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103176 | FLGGFAGL PSLGFGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.02 | 0.01 | 0.009 | 0.01 | t | 22222 | GRTWAQP GYP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 16417 | FKNKDGFL YVYKGYP I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.007 | -0.009 | t | 95084 | GEFQRKLY KELLKNYN PLER | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.002 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.005 | 0 | -0.002 | t | 61589 | STEQNVP DPQVG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.008 | t | 40578 | LVSFGVWI RTPPAYRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 111193 | DGPAGQA EPDRAHY NI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.03 | t | 127961 | ELLADVQF ALGLPFYP AYEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.008 | t | 73787 | YEVNRVSG IYHVTNDC SNS | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.013 | t | 56185 | RTTADRQT A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.026 | 0.02 | t | 115750 | GFYTTGAV RQIFGDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | 0 | t | 148567 | DKSKLQDV KDNKPSD VKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 114281 | CNYKTHS WC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 114281 | CNYKTHS WC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.01 | 0.009 | t | 95030 | KRASKEKQ ENKIFADDI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.026 | -0.03 | -0.03 | t | 78628 | DQKPPSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156934 | PLHTSL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.03 | 0.04 | t | 115107 | SENSEKTT MPLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.024 | 0.03 | 0.034 | t | 92786 | GDGNDIIT DS | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.041 | -0.023 | -0.018 | t | 43747 | NESKYSNT FINNAYN MSIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.011 | -0.012 | t | 12315 | EGYPADSK GCKITCF | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.011 | -0.012 | t | 12315 | EGYPADSK GCKITCF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.012 | t | 12315 | EGYPADSK GCKITCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 108281 | APSSLAGN G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 78694 | KASAMYS GKGPLNDL RVKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.02 | t | 78694 | KASAMYS GKGPLNDL RVKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 145388 | NNLTQSKF LRLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123171 | FGRVCYNP K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 131437 | GASVKVT | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 131437 | GASVKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137579 | VFQQQQQ HQSRGRN L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123453 | LPKIKEYM K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111171 | CSSGPIAP C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99936 | DFSVEFLE QN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111551 | MKVSNHK DIPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111120 | ARMRLYD PNQAALQ A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 81130 | DLFHVNG RDTMNIIV DENKY | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 81130 | DLFHVNG RDTMNIIV DENKY | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69884 | VLYQEFDE MEECASH LPYFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39375 | LSGKPAIIP DREVLRYE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39375 | LSGKPAIIP DREVLRYE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6127 | CDPPIDLD C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4450 | ASHLPYFE QGMQLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132006 | PLSSSQPN LRAQVPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123512 | MPPPGMI P | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107531 | NKALPAP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 91854 | QQMSINV DNQFNYV P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 156423 | QNQLDQV PRRFYLAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 141534 | DRMNLQT LRGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.051 | t | 131968 | LSELQVEQ TSLEP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.01 | t | 96012 | YERGHITV NY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 57686 | SEYIENWN LQNRRQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.023 | 0.02 | 0.02 | t | 57686 | SEYIENWN LQNRRQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.021 | 0.03 | 0.03 | t | 21715 | GPNNSEAI PALTAAE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.026 | 0.022 | t | 106084 | RPRSPSSQ SSSSGSP RRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103965 | GYKYLPGP NSLDQGE PT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 99921 | DAEFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.014 | 0.021 | 0.02 | t | 63166 | TDHEEDN N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.037 | -0.031 | -0.03 | t | 71863 | VVTVRAER PGVDPDR EMLAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.046 | 0.036 | 0.04 | t | 48733 | PPAAEYPP AAEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 145803 | GPVGPSD PSIVS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.01 | t | 78695 | KDTNNNL YNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.049 | 0.04 | 0.04 | t | 55508 | RQWFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 54860 | RMAWDM M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.038 | 0.027 | 0.028 | t | 98821 | IDQIEKQA KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.061 | 0.06 | 0.063 | 0.062 | t | 78296 | WESETT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 70332 | VPHYTLNA NSIIYAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 3514 | APDTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 3514 | APDTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.019 | 0.02 | t | 122153 | NASGLSRP SPSAH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.012 | t | 21407 | GNDYEDR YYREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 137284 | RTNTTQG KVPSQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 137284 | RTNTTQG KVPSQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137741 | DTPLTHAA LTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140863 | GVDAGKL GTVSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123452 | LPKIKAYM E | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117633 | RGRGRGR GRGRGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 105030 | VPQQSIP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 60675 | SRGNHVA PTHYVTES DASQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22081 | GRIILSGKP AVIPDREV LYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 11820 | EENVEHD AEENVEEN V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22089 | GRIILSGRP AVIPDREV LYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 30479 | KEKMVLN EEEITTKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22091 | GRIILSGRP AVVPDRE VLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11970 | EFDEMEEC GSHLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140458 | EHNDFPM YTWRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79507 | AHIPWLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.031 | -0.03 | -0.03 | t | 94513 | FHPDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | -0.008 | 0 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.026 | 0.019 | t | 2009 | AILTPTPV NPSTAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.001 | 0.007 | 0.01 | t | 86822 | NKGKDKD VNAGTSG THT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.01 | 0.01 | t | 137827 | DVKSIAIEG | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.032 | t | 22687 | GTHNQW NKPSKPKT NLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.037 | 0.034 | 0.04 | t | 76634 | YYVPLGTQ YT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.009 | 0.01 | t | 34169 | KVPTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.01 | t | 134001 | AIQHESGIL GPLLYGEV GDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.031 | t | 133693 | SGRHSRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.003 | 0 | t | 6623 | CLSATCDC TLCGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.032 | t | 74937 | YLTETKIDK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.015 | 0.009 | 0.01 | t | 54629 | RLKSSR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 11353 | EDINGIRR PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.06 | 0.047 | 0.04 | t | 141777 | VVDSLDLP LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.032 | 0.037 | 0.04 | t | 2809 | ALPDYASQ PGKPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 158932 | KTALEARK AADTFNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 117750 | APGMRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117750 | APGMRPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.01 | t | 96367 | HSNLDHI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 117093 | TDSDYSTR PSRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 70387 | VPNLRGDL QV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29802 | KAFRELAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.042 | t | 28277 | IRECTGLA WEWWRT V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.042 | t | 28277 | IRECTGLA WEWWRT V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 67835 | VCEKMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.012 | -0.01 | -0.009 | t | 108323 | DTPPPCPR CP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.053 | 0.063 | 0.063 | t | 97023 | VATRSQTD TSEKDC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1259 | AFASRGN HVAPTHY VTESD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.032 | 0.027 | 0.022 | t | 134673 | FVAQNKID SLNLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135839 | DYMGNIQ DFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135839 | DYMGNIQ DFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135839 | DYMGNIQ DFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112054 | AVYFCHQ | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115719 | EDSPEVIES P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112115 | FSLTTYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 45624 | NQSFEEDT EE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151046 | RDQEGRM NYYWTLV E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135468 | GVGLAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121719 | PSGKKCIA AKKIKQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98780 | FPQPQLPY SQPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115312 | KHYQKAL NEINQFYQ KFPQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95847 | SGTSGTSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95847 | SGTSGTSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95847 | SGTSGTSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39377 | LSGKPATIP DREAVLYQ EFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6330 | CGPFFLSP TSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 102245 | YNMPALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 117384 | TPRLNTAT LWIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103700 | VHNVAAL PGAAYCE M | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 149099 | RVLTSMD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115973 | SLVYPFPG PI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.033 | 0.032 | t | 62993 | TASITSPLT TQNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 18952 | GDDPAKA AFDSLQAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99836 | QFPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99836 | QFPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.039 | -0.033 | t | 130810 | EPWWSM H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 22491 | GSRTLGA KHPALQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156846 | AKLITCSKT CSKWQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 48648 | PNGTYRAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.022 | -0.017 | -0.022 | t | 64876 | TLKKGSSG YCAWPAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.017 | -0.022 | t | 64876 | TLKKGSSG YCAWPAC | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.022 | -0.017 | -0.022 | t | 64876 | TLKKGSSG YCAWPAC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 45538 | NQELAYFY PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | -0.001 | t | 122721 | CSNSSSQ FQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.023 | t | 132063 | SKPTPSQG WGDPPKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.002 | t | 56712 | SAARIHDF RYSQLAKL GINP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.007 | -0.007 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 32477 | KNESKYSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.02 | 0.02 | 0.02 | t | 123184 | FLTNLPEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.036 | -0.037 | -0.042 | t | 52148 | QQSFPQQ PQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.001 | 0 | t | 12210 | EGLDIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 97020 | TVTRGTIS DP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | 0 | 0 | t | 7244 | CTWQQW ERELQGYD | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.001 | 0 | t | 6106 | CDICTNTM DVIKKML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.019 | -0.02 | t | 20084 | GGVYLLPR RGPRLGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.013 | t | 134702 | KEKKYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 129198 | LACKYNGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | -0.002 | t | 97231 | CNTKCQTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 115884 | PGEIVESLS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115459 | QTEDELQ DKIHPFAQ TQSLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153835 | HGDTPTLH EYMLDLQ P | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 145422 | PPPGIR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153835 | HGDTPTLH EYMLDLQ P | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132814 | FGENRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131976 | MEIDKHSL NIGDYNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99671 | SLNEHFRPI KQF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 88462 | SEDRETRP HGRNNEN FVYNR | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 58196 | SGPSGTPS GTSGPSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103469 | PFNVNLKL QLHDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79903 | LELIRMVE CSGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79903 | LELIRMVE CSGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78944 | DADGDGH GWKPGNA PGIAGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 99292 | GNQNGRI RVLQRFD Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.002 | -0.007 | -0.009 | t | 11776 | EELVEEVIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115543 | VLSRYPSY GLNYYQQ KPVAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 129022 | KAAGVNV EPFWPGLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141977 | PKDSQHG REYQEFSA NRH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141977 | PKDSQHG REYQEFS NRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.019 | 0.021 | t | 20838 | GLFGAIA G FIE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 130568 | NQYCIYA G RYC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132935 | WGSNAEH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.001 | -0.011 | -0.01 | t | 30691 | KFADFLQI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.024 | -0.02 | -0.019 | t | 21037 | GLMKAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 7673 | DAVTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 108023 | LVGPRGER GFP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 63831 | TGGAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.042 | t | 23605 | HDAAFRV VHSSEWSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.017 | 0.013 | 0.012 | t | 78101 | AKINAS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.017 | -0.02 | t | 144644 | FRQQHKG K TVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.043 | 0.04 | 0.039 | t | 58914 | SKPFATDS GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.023 | 0.02 | t | 159043 | NTFVVDG PETKECPT Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.013 | 0.003 | 0 | t | 105682 | ARSLFGVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.016 | -0.009 | -0.011 | t | 24454 | HPHDLDD ARRDGRA P | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142391 | DAANIAH QKWLKAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70728 | VRGLYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.018 | t | 49855 | PVEIRRGV ML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 114904 | NISKEHDG EC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 78301 | WHQQMS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140310 | PGSHFCG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156340 | KDDQIAAA IALRGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153351 | ACTYSPRD MCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151058 | STASSWSY IVETPSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103249 | HDHKLEGT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79358 | RCEQSM WTQRLPC L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79542 | EQTINQW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 11564 | EEDTEEDK PK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 4028 | AQPHEPG SYTNVFDH LDWIQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 124276 | HPLAPPH S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119451 | FRKTSISGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106647 | MHLTTNI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110581 | GAKGSAG APGIAGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106647 | MHLTTNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112186 | KNYLAWY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115568 | YPYYAKPA AVRSPAQI LQWQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9238 | DLPQLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.017 | -0.02 | t | 118377 | GKEAWDL GVCRDSV RRKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105651 | AEFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 115671 | AAMEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.009 | t | 158910 | KNLDIDPK LQEYLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.022 | t | 30260 | KDTRLRIAYL TEAKVEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.027 | -0.03 | t | 119580 | FMESGEW VIKESRGW KH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.043 | 0.043 | 0.04 | t | 115272 | GREAADA FSPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 107214 | MVGGVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.021 | -0.03 | -0.031 | t | 67192 | TVVAVGP GRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.04 | 0.042 | t | 22691 | GTHPSSSA GLKNDLLE N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 67266 | TWIGMN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 104756 | DTTFEYQD LC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0 | -0.001 | t | 29218 | IVCIDRASLST | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.008 | -0.01 | -0.012 | t | 56529 | RYETSNDNSLI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.01 | -0.012 | t | 56529 | RYETSNDNSLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 32587 | KNPHAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 132099 | TLNELPNRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.008 | -0.01 | -0.012 | t | 52156 | QQTAPKAPTE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45697 | NRLIAFASRGNHDSP THYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.019 | 0.029 | 0.03 | t | 5032 | ATLEPKTG PRDGGTV | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.012 | t | 144601 | CSGTHPSIS SC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 119584 | GQPENNY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135678 | GEDAKPG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131079 | SQTTANPA CPEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115795 | IPTINTIAS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114772 | DGVTYTN DCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108136 | SLNTADSK TTTFPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 51908 | QPQPFPSP QQP | Mus musculus |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 51908 | QPQFPFS QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 32686 | KPEASSSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11968 | EFDEMEEC ASHLPYIE QGVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22126 | GRLHLND QVVVTPD KEILYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11195 | EASSSDKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23463 | GYSLFQKE MKTDNEG TSGTA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 3654 | APMFITGR EMLASIDT LK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151070 | WTLVEPG DKITFEAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114981 | VVESNGTL TL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111572 | MSPRFPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 102722 | PNKPVEPT YEVIPTPPT DPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112129 | GIGVGWI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 62097 | SVEFTKDT QTGMSGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.01 | -0.01 | -0.01 | t | 769 | ADSGYCY WVHILCYC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 116954 | DPTDYSTR PHMW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 116954 | DPTDYSTR PHMW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 80178 | ADAPQGF YVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 98681 | AEKTKIPA VF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 102563 | KKRPKPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 118581 | RDRDRDR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 25140 | HWSYGLR PG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.046 | 0.05 | t | 135981 | QYVISQE MERIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45701 | NRLIAFAS RGNHVSP AHYVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.013 | 0.01 | t | 80335 | ALASSAPS TAVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111452 | KHARTSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 149961 | SWKHWYSY | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 7849 | DDPPATVY RYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130805 | ELNPEPDT EVFPMTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.03 | 0.033 | t | 75418 | YPTFGEHK QEKDLEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.029 | 0.03 | t | 149424 | QESTYQLV QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.01 | t | 159048 | PKARELTD AETKAFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.003 | 0 | -0.002 | t | 111120 | ARMRLYD PNQAALQ A | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 37311 | LLGACSFSS I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 37311 | LLGACSFSS I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.045 | -0.04 | -0.041 | t | 117380 | TKPAIRRL ARRGGVK RIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.059 | -0.051 | -0.05 | t | 59856 | SNKSASQ NVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.011 | t | 135441 | AGLGAGIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0.001 | 0 | t | 148565 | DKNKLQD VKDNKPS DVKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65860 | TQGSNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50480 | QDKGIAIP HDIDLGES RV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56201 | RTTTASGK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 2724 | ALLQSARR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.01 | t | 48839 | PPNKPNN DFHFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | -0.001 | t | 122876 | PSPDSKPT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 125870 | EEEEEEEEEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125870 | EEEEEEEEEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125870 | EEEEEEEEEE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 125870 | EEEEEEEEEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46275 | NTTASDQL LVENAAG HRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 9106 | DLGSIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 9106 | DLGSIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.019 | -0.02 | t | 66341 | TSNLGKAH TQKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.021 | t | 56587 | RYLSQLCS GGYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.05 | -0.037 | -0.03 | t | 141610 | CEEEKGPL DLMNEVL N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.002 | t | 102564 | KKRPPKPGG GWNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.012 | 0 | 0.002 | t | 30604 | KESHDQFL QHTILFKG FFTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 128601 | EYRKKMDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 128280 | ALREYRKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115939 | RELEELNV PG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137812 | AVSLGQN VLSAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105540 | TDNELA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103534 | QSVCPILA EPGGSFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115899 | PQNIPPLT QT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123123 | EFKSRIEAL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111156 | CMNKPAY AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106300 | CALEGWG GHW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115865 | MPFPKYP VEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41320 | MEECASH LPYFEQG MQLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41323 | MEECASH LPYIEQGM QLAAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 127782 | QAAELTLG PSAC | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135955 | LRLLLCLLL LSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.037 | -0.038 | t | 14636 | EVCVRQLK AIANK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.037 | -0.038 | t | 14636 | EVCVRQLK AIANK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.009 | t | 61791 | STNPKPQR KTKRNTNR RPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.04 | 0.04 | t | 102711 | PDETDLS KLSKDVVQ YEQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51123 | QIPYNLKIF AIMLDTHK MLV | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.023 | 0.03 | t | 104065 | LWDDFW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156942 | PWSKMHI | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.011 | 0.008 | t | 70946 | VSGDPRG RYEDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 156347 | KNLEFSDKI NTLLSET | Platyrrhi ni |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.031 | 0.03 | t | 135787 | VPLDGKTI TNNQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.028 | -0.021 | -0.02 | t | 675 | ADHPSYTA AKDEVLSH FSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 48520 | PLVESWKR PDYQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.029 | -0.03 | t | 58742 | SIVTAPFQ VK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.016 | 0.009 | 0.008 | t | 21059 | GLPDSVKI WTSETNK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 12258 | EGRFKSQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.038 | -0.029 | -0.03 | t | 34914 | LAPSTLRSL RKRRLLSSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.037 | 0.038 | t | 37300 | LLFSLGLS SSSSIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.011 | -0.009 | t | 33222 | KRTISIWG T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.008 | t | 140823 | AGKGVDA GKLGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 6204 | CETEFSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79839 | GKDLKRP GSSPM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 49802 | PTVAEEHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 50507 | QDPRVR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.013 | -0.02 | t | 118032 | NEKLLKKA RIHPFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.009 | 0 | 0.002 | t | 78627 | DPDPPDA NDPAPPN AN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.017 | -0.017 | t | 68299 | VENGLISR VLDGLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.003 | 0 | t | 72251 | WAPSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.029 | t | 8226 | DEYSNQN NFVHDC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 92845 | GNGKITQ DEL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.011 | -0.01 | t | 30821 | KFPTLDHV | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141667 | HEIGSLAG LAMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 156905 | KPGDPRQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127737 | MHETTKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123677 | QQFMSRIE A | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116957 | DSMNTDD STRPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 77793 | PKSKLSVK KC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 41332 | MEECGSH LPYIEQGM QLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149318 | FYYGKGLI NVQAAAQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115399 | NMAINPS KENLCSTF CKEVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103137 | EGWGKSP GFGTTVDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103472 | PGGTTTLV EHMVGIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 10781 | DVVS KLPL AVMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 97171 | ADVVISPN D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.021 | t | 48877 | PPPQCSKA WPCPPTH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 153364 | CDLEDRDR SELSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.029 | 0.032 | t | 22562 | GSVNSFFS R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.029 | -0.027 | -0.031 | t | 57736 | SFDADTIRI A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.013 | -0.01 | t | 125791 | CSFWSKYI QTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138194 | IIPKSSWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 47136 | PDLERYAG | Mus musculu s |

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|---|------|---|---|-------|-------|-------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.02 | t | 47136 | PDLERYAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 130808 | ENEPPVW TTESKLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 68094 | VDWLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 7673 | DAVTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | -0.003 | -0.002 | t | 72270 | WAVKDSK SR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 24243 | HLKYATYP PYPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 138063 | VDTVGTG YHSRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.023 | 0.02 | t | 34143 | KVNSRCEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67444 | TYRATYQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 56564 | RYKQKIIAP AKQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 56564 | RYKQKIIAP AKQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3516 | APDTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 60445 | SQHI | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 139631 | VIQNRQD GSVDFGRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.02 | -0.011 | -0.01 | t | 76076 | YTINDKILS Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.013 | 0.01 | t | 115488 | SKDNGWE KDDNVSKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.007 | 0.001 | t | 134221 | RQIFGDYK T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.004 | 0.01 | 0.013 | t | 57726 | SFANTNTN TNSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135747 | RAEAVFPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140861 | GTVSYGEE KPAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 130150 | TTAAPAAA AAPAKVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 7375 | CYGLPDSV KIWTSET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 7375 | CYGLPDSV KIWTSET | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 7375 | CYGLPDSV KIWTSET | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156877 | GLHSGIQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121675 | NVKKLLVA NPLVDSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121675 | NVKKLLVA NPLVDSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115998 | TLEDSPEVI E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115205 | DELQDKIH PFAQTQSL VYPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75875 | YSREQLNK LFGIEVM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77800 | RGCTFYGC WK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22082 | GRIILSGKP AVIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22075 | GRIILSGKP AIIPDREVL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22128 | GRLHLND RVVVAPD KEILYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.049 | 0.042 | t | 115750 | GFYTTGAV RQIFGDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.039 | 0.042 | t | 156601 | ADEPNNL NSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0.001 | -0.001 | t | 68142 | VEDIVRCS TAYTEYAR KKTV | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.057 | 0.043 | 0.048 | t | 156756 | SGPSYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.003 | 0.002 | t | 71636 | VVDLPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.029 | 0.03 | t | 100426 | QKLVFFAE DV | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.013 | -0.019 | t | 119297 | NTFCDSCI PKTFWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.033 | -0.031 | t | 106089 | RRHQSQR PPRRFQG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.027 | 0.03 | 0.03 | t | 133584 | GKCNTDYS D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 101983 | PVYQQQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133536 | CKPVENRA C | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.012 | -0.013 | t | 22932 | GVDAYVID TGANVKH VDFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.011 | -0.018 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 153249 | AFRANTA NPDWDFN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.009 | -0.003 | 0.001 | t | 132984 | AIQNIRLR HENKDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.011 | t | 38434 | LPDKFNAY LANKWV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.009 | 0.01 | t | 648 | ADDPLLRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.027 | -0.031 | -0.032 | t | 73515 | YCYWVHIL CYCYGLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.001 | t | 132687 | STQTAGP WHLGKLEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142428 | KAQKEATA AKLKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115787 | IASGEPTST P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78241 | PIQIGA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138231 | RDGQRLTS SKTMLPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 144679 | GYCNTECT GGGLPDS VKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114776 | DLRPICGT DG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78927 | ALLEETITA KGVRSPEA IRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47185 | PDREVLQYQ EFDEMEEC GSHL | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 50744 | QFDEMEE CSASLPYM DETRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39371 | LSGKPAIIP DREALYQ QFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47174 | PDREALYQ EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 10783 | DVVSTLPQ AVMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 148707 | PELQQPIP QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115207 | DISLLDAQ SAPLRVYV EELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97456 | LKRTDLNIL ERFNYEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 94037 | TIQNWFR EAD | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 114903 | NGTLTLSH FG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 99653 | RYTARLKE GDVFIMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 139090 | IKRSNSTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.012 | 0.01 | 0.012 | t | 95521 | KQTLPPSV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.012 | 0.01 | 0.012 | t | 95521 | KQTLPPSV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.004 | 0.011 | 0.01 | t | 42614 | MSNFKVR DPVIQERL DHDYA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107892 | HSASQDGGSS QDTIRGHP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107892 | HSASQDGGSS QDTIRGHP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 159294 | QPLWLL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.047 | -0.037 | -0.037 | t | 113570 | KKAVTKA QKKDGKS AAHRKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 122458 | LEPETGKDMSPYEAYK RGII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.037 | -0.03 | -0.03 | t | 6517 | CKRGPDS GFFSRLN WLY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.031 | -0.03 | t | 149371 | LPYPQPQP FL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.003 | -0.009 | t | 145144 | DPGQLRL WRLAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.006 | 0.01 | t | 117329 | MAVPETR PNHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | 0 | 0 | t | 138065 | VEVRFKEF GSRV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.006 | 0 | 0 | t | 18954 | GDDPLLGNQ | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.048 | 0.05 | t | 96210 | EDKEEDEE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.048 | 0.05 | t | 96213 | EEDEEDKE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.032 | 0.02 | 0.017 | 0.02 | t | 156961 | SLLASTT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.009 | t | 139202 | QIWYERTLPFTF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.009 | t | 139202 | QIWYERTLPFTF | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.033 | -0.032 | t | 75410 | YPSGAWY YVPLGTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.02 | t | 30473 | KEKLQKTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.022 | t | 119649 | SYCEIIVTH FPFDQQN CT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 72504 | WGQGGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.037 | 0.03 | t | 117508 | GKMTANS DVEPGNSE VSLVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.03 | t | 117508 | GKMTANS DVEPGNSE VSLVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 9794 | DPVAALFF F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.041 | -0.031 | -0.03 | t | 47491 | PFFRKYFG NDTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.02 | t | 97369 | GTVALTAG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110651 | LCLIGCKPP IGEHWGK GSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20851 | GLFGKGGI VTCAMFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 135710 | LAKEQKSK QNIGALKQ ELAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.016 | 0.011 | 0.01 | t | 23511 | GYYYPSDP NTFYAPPY S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.011 | 0.01 | t | 23511 | GYYYPSDP NTFYAPPY S | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.071 | 0.067 | 0.07 | t | 7778 | DDGDKGS DVESYSSM PPLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 140589 | PYHELEQV P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 140589 | PYHELEQV P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121368 | HDDPQLG AEAQAFTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 131847 | DPPKSNQS LGWGDSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132008 | PNNGGLN PLFGPQQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79644 | SHLSTMV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135841 | HVTDMM ELYTLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135841 | HVTDMM ELYTLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135841 | HVTDMM ELYTLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153348 | ACTALQQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119503 | NRKLKSN MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118325 | EKEKLNER LAKLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114870 | KELAAVSV DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47191 | PDREVLJR EFDEMEEC AAHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27998 | IPQQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115434 | QEKNMAI NPSKENLC STFCK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.023 | -0.022 | t | 44809 | NLNAHSAL YVTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.04 | 0.04 | t | 104132 | MSENVEQ HNPINAGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.053 | -0.049 | -0.05 | t | 28401 | IRSMLVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | 0.003 | 0 | t | 31071 | KGTHGGT GAGAGAG GAGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.023 | -0.02 | -0.02 | t | 15389 | FDGGKMOV Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.039 | t | 132848 | KKEDFDIY DEDENQS PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 78558 | VSIFPPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.013 | -0.013 | t | 56186 | RTTADRQT ACNCLKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.007 | -0.008 | t | 139202 | QIWYERTL PFTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.01 | t | 90911 | YPTVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.019 | 0.015 | t | 37638 | LLNYIDEN KLYLIGSAE YE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.011 | 0.01 | t | 149433 | QPLSQVSF QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.014 | 0.007 | 0.008 | t | 8803 | DITPQEFS KKYLQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 109252 | GSLPQKSQ RSQDENP V | Rattus norvegic us |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.011 | t | 94580 | LDNKYAGK GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.048 | 0.045 | 0.033 | 0.038 | t | 136322 | GLFTPKDS PAKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 99368 | KDLAFPGS GEQVEKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 80205 | AENQEAA GLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78235 | PHSNSYHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131858 | EKDGLRNS TGLGSQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103338 | LAPDTVPL AGVVLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79409 | TCCLCSGK LALACE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47185 | PDREVLQ EFDEMEEC GSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23462 | GYSLFQKE METLNEG TSGTA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156957 | SLHSHLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127680 | HFHRPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 109232 | GRGGAIW DRPEF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103525 | QNAGGTH PTTTYKAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103747 | YIGISFLDQ ASQRGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107532 | NSTYRVV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103344 | LEAAGDKK IGVIKVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79669 | VKFHTETR TVWQLSV AGVSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.01 | -0.01 | t | 94493 | ECCHPAC GKH | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149479 | STTIAPFGI F | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78503 | RFPYWFL PPIATVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.034 | 0.034 | 0.04 | t | 55765 | RRVNAAN KKPEDLTL NDLET | Aotus griseimembra |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.019 | t | 108212 | WPPSFWY HPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.02 | t | 148835 | QQLQQQ QQQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0 | t | 46489 | NVSVPSST STPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.009 | t | 106375 | EDHAGTY GLGDRK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.021 | 0.011 | 0.01 | t | 52439 | QSSWPKLE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127646 | EYNIMFGP DI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.027 | -0.028 | t | 118348 | FHSGKHY WEVDVTG KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.045 | -0.047 | -0.05 | t | 75885 | YRSWLM KAHGLELG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 119382 | VISCAKDAI EDEEGSC | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.02 | t | 105081 | AFNKFTDN VDQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 123822 | VPGMPP MT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.041 | 0.037 | t | 47126 | PDKEVLYQ QYDEMEE CSQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.041 | 0.037 | t | 47128 | PDKEVLYQ QYDEMEE CSQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.037 | -0.041 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.017 | -0.022 | t | 134029 | DEDENQS PRSFQKKT R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135559 | GSDPQHY EG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.061 | 0.07 | 0.073 | t | 133698 | SLLTEVETP IRNEWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156851 | AQMIIRLS SPGN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153281 | PLRNTHPQ AMQWNS T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.009 | 0.008 | t | 53636 | RESQAYYQ RGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78939 | CINHRGY WVC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78939 | CINHRGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78939 | CINHRGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 2380 | ALAELATR SFGSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 129909 | SHPTYS | Homo sapiens |

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|---|------|---|---|------|-------|-------|-------|-------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 49107 | PQQQFPQ TQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 47186 | PDREVLQYQ EFDEMEEC SQHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 49107 | PQQQFPQ TQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.036 | 0.031 | 0.029 | t | 13641 | EPEQVELQ PPPQGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142201 | KGLRRDLQ ASREAKKQ VEKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135716 | LRSTKFTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151063 | TFEATGNL VVPRIYAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114936 | RAFNPVC GTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99718 | TLNDFFHN PPHP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98078 | GSDVYYA GLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112538 | HLVMAPS VARGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98787 | GDALAGG AVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 98078 | GSDVYYA GLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 86944 | NNLPNDV FREAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63924 | TGPCRTCT TPAQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39377 | LSGKPATIP DREAVLYQ EFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38009 | LMDPVFG FDRRVPFV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47182 | PDREVLQYQ DFDEMEE CASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22121 | GRLGIYRY VSTGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 16961 | FLVNTWK SKKCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 79537 | EHPWPLL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.011 | -0.009 | t | 4225 | ARQPYGFF LETEEVYQ PG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.004 | -0.001 | -0.001 | t | 50636 | QEIDCWH YHQYCITS | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.011 | -0.012 | t | 48947 | PPWDFDA GEGIH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.041 | -0.042 | t | 28475 | ISEKYYVLK KGEKPYDP FDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.023 | 0.02 | t | 43693 | NEMVLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.029 | 0.03 | 0.03 | t | 98237 | LTAYQTEL AR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.026 | 0.023 | 0.022 | t | 21763 | GPRLQPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.023 | 0.03 | 0.03 | t | 48396 | PLLGNQSL | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.033 | -0.04 | t | 127962 | ENYKEFSE LLPNRQGL KKAD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.022 | t | 149507 | VFDSLQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.049 | 0.05 | 0.056 | t | 18594 | GAGICASY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.01 | -0.01 | t | 123653 | QCLEDFPK L | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.007 | -0.007 | t | 114962 | THYGSL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.011 | -0.01 | t | 1257 | AFASNRTF DITVSGLG TAPK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.021 | -0.017 | -0.021 | t | 99487 | NANEECR NAMRHLR P | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.01 | t | 33358 | KSIVAYTM SLGADSS A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.01 | t | 72684 | WKKPDYE P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.04 | 0.04 | 0.04 | t | 123752 | SQETPATK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.053 | 0.05 | 0.05 | t | 139732 | ERETQKAK G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.024 | 0.027 | 0.03 | t | 63856 | TGIEPDDH LKERSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 108607 | RGAQGPP GATGF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.012 | t | 131164 | YRLWHYP CT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.038 | -0.04 | t | 135940 | ISQEMERI PRLR | Homo sapiens |

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|---|------|---|---|------|--------|-------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135570 | LFDASDSS S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135570 | LFDASDSS S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 148127 | QEQQNLR QCQEYIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 148127 | QEQQNLR QCQEYIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 56181 | RTSP | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.008 | t | 51935 | QPQQSFP QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 128512 | EGPPPKDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.001 | 0 | t | 133786 | CMTSPWR C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | -0.003 | 0 | t | 96023 | YQKFPQYL QY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.03 | t | 4454 | ASHLPYIE QGMQLAE QLKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 93094 | KFKVQGE AVSNIQEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138189 | HILGSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135714 | LNGKVDA F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 118532 | NATRAAV EEGIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106646 | MHLTQSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113763 | QPAQQQQ PGQQQQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99545 | PSHQQPR KIRPEGRE | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78656 | FSDTQSTC LETVYKAT GAPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144666 | GREGYP DGGKGSS GYCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103830 | CHAVKVG NPSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115893 | PNSLPQNI PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79410 | TCKELQW LPLRLCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 94943 | TKVSNGAF VPNM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 6329 | CGPFFLAA SVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.028 | t | 135464 | GLAPGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.017 | 0.018 | t | 68358 | VESTVATL ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 118284 | DAYVLLSE KKISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 55157 | RPGLDELS FTLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.02 | 0.02 | 0.02 | t | 123043 | ASFGAGD AP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.032 | 0.031 | t | 67572 | VAESDGV DEDRAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.075 | -0.07 | -0.08 | -0.082 | t | 49273 | PRVRSKPV V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 78623 | DMDDFSR QLQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.024 | t | 60472 | SQKIQLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0 | t | 90911 | YPTVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.059 | -0.056 | -0.06 | t | 99823 | IPPNWHIP SIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 51574 | QLVNSNG SWHIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 51370 | QLINSNGS WHIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0.003 | t | 95109 | KNVRFPD GLIWKPD LLYNS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 66237 | TSGTSGPS GPSGTSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.01 | 0 | -0.002 | t | 52194 | QRDEDSY GRDPYSPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.01 | 0 | -0.002 | t | 52194 | QRDEDSY GRDPYSPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21606 | GPEKAFRE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7109 | CTARVAGL FSPGSQQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.04 | -0.031 | -0.03 | t | 41043 | MAGKRE MVII | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.005 | 0 | -0.003 | t | 6104 | CDGYCKT HLKASSGY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 117111 | WPMNDD STRPR | Homo sapiens |

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|---|------|---|---|------|-------|------|------|-------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 48595 | PNAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1263 | AFASRGN HVSPRHYV PESE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1259 | AFASRGN HVAPTHY VTESD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1263 | AFASRGN HVSPRHYV PESE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 111098 | AGTVGEN VPDDLVIK GSGST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.02 | 0.02 | t | 136647 | SNNADYK QSLLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.02 | 0.02 | 0.02 | t | 136647 | SNNADYK QSLLL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 136647 | SNNADYK QSLLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104520 | IAKEQENK ETIGTLKKI LDE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115192 | CKEVVRN ANESEYSI GSSSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 56718 | SAAYATSS FSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 56718 | SAAYATSS FSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148820 | QPYLQLQP FP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131989 | NRTLDPR VLSNSGW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132142 | AGPCILLA PDRCPG | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121741 | QCVLAIFN DVYWLPLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127712 | KNWSTPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98453 | SGFSGSVQ FV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100412 | QEVFAKAF AY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98453 | SGFSGSVQ FV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 87580 | QIHRLVSG YDND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 87580 | QIHRLVSG YDND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70609 | VQMAFM KLAALTGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40034 | LTLWTTTPA PSPNCRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46990 | PAVIPDRE VLYQAFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47000 | PAVVPDRE VLYREFDE MEAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123244 | GMIPPPGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123244 | GMIPPPGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 100634 | VTNSKKFI DI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115283 | HPLVRYP WHYH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.06 | -0.06 | -0.06 | t | 136058 | DKATV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 75923 | YSWKTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.025 | 0.03 | 0.03 | t | 70444 | VPQLEIVP NSAEERLH SMKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.011 | -0.012 | t | 25084 | HVRVRPYK EKPIQNQA KSVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.011 | 0.012 | t | 56796 | SAGGQLFY SRPVVSAN GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.03 | 0.03 | t | 52034 | QQGVTVD SIGM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.015 | -0.014 | t | 118464 | KLSDGVAV LKVGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | -0.002 | t | 124730 | SMDRIEKD RLQGMAP AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117172 | TSSEVATE VPFRLMH PQPED | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.006 | 0.003 | t | 116024 | VTLRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.028 | t | 48005 | PIVATNW QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 54566 | RLGVPDTL GGDPKFRS LTHE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.009 | -0.01 | -0.01 | t | 159024 | NKGAIIGL MVGGVVI A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 107774 | DAGPQGK VGPS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 107774 | DAGPQGK VGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.02 | t | 89851 | VAGTWYS LAMAASDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132860 | LKKLKPG L EKDF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 73521 | YDASVHG QIGAALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0.003 | 0 | t | 79570 | IHAHTTSD PWHPPGP LGLKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.002 | 0 | -0.002 | t | 52692 | QVETEDTK EPGVLMG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 67732 | VARDDKG RRYYLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 67732 | VARDDKG RRYYLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.051 | 0.053 | t | 131128 | VEMKKED FDIYDEDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.009 | 0.01 | t | 59499 | SLTDLGGE LC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 151715 | RIMNVIGE PIDERGPIK T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 35473 | LEGAAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.008 | t | 51935 | QPQQSFP QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130590 | RCKTFGKT TLCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.009 | -0.01 | t | 72551 | WHRPPW WPSSSL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 104153 | NMPQQN R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.05 | -0.037 | -0.027 | t | 44556 | NKNDNKN DNKND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.05 | -0.037 | -0.027 | t | 44556 | NKNDNKN DNKND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.026 | 0.023 | 0.03 | t | 14009 | ERKIKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115881 | PEINTVQV TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 109855 | RQTEVDS GRDLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112303 | SAGEKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 128685 | GAVAVSA APGSAAP A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78299 | WHLAYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97295 | FADAEVEL K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39400 | LSGRPAVI PDREVLYQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 26924 | IKVELTGN STLSSDYA QARA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 25496 | ICESAGTQ EDAASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 33746 | KTKRNTNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149442 | QQYPSGQ GFF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149442 | QQYPSGQ GFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132933 | WGQNSFP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114936 | RAFNPVC GTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110613 | GPPGPQG ATGPLGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112184 | KLLIYWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78207 | MLPLKS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.013 | 0.011 | t | 55073 | RNTNRRP QDVKFP GGQIVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115658 | VGWYRPP FSRVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 107585 | QVKFNWY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115492 | SLTLTDVE NLHLPLPL QSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115658 | VGWYRPP FSRVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0 | t | 65745 | TPRPTQY WLHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.063 | -0.06 | -0.06 | t | 98923 | PAVFKIDA LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 45698 | NRLIAFAS RGNHVAP THYVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 100153 | INDQIKFII N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | 0.003 | 0 | t | 58366 | SHIECRKPY KELRLEVG KQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.049 | 0.043 | 0.04 | t | 50354 | QASDDGD KGSDVES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.02 | -0.02 | -0.02 | t | 123638 | PVRLFLEYL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 63037 | TAVSPTTL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.01 | t | 97310 | FNVKAEIQ G | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.01 | t | 97310 | FNVKAEIQ G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.03 | t | 67272 | TWKSCK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.051 | -0.04 | -0.04 | t | 79743 | AALAARKA DLEKALEG AM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.013 | 0.008 | t | 40921 | LYREALESP EHC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.011 | -0.01 | t | 52371 | QSLNWPR DV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135442 | AGLGGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.031 | t | 139618 | TGQLVHRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 141104 | VVHVETH RCNISWEI S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10841 | DWYSPAC GKAGCQT YKWETF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 144672 | GREGYPA DGGYCYG LPDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.022 | t | 70729 | VRGLYFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.02 | -0.022 | t | 70729 | VRGLYFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.049 | 0.05 | 0.053 | t | 102208 | VQYEGDG SPCKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137834 | EDSRVTEN TNGL | Homo sapiens |

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|---|------|---|---|------|------|------|------|------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137834 | EDSRVTEN TNGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149076 | NATQAST | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104124 | MNKTFVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141684 | KKACCAIR GSFYDLED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147284 | SIFGLAPSK ALDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148575 | DVKDNKP SDVKLPVI KAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147225 | QLQPFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148575 | DVKDNKP SDVKLPVI KAE | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135734 | PGQFPWQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 157770 | QEYEQHR RQQQH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149296 | ELDKWAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119518 | RKTALGTR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131076 | SQTAANPS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115877 | NVPGEIVE SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98964 | QLQPQNP SQQQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97049 | VKPTAPTK PT | Homo sapiens(human) |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50103 | PYIEQGM MLAEQFK QKALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22094 | GRIILTGKP AVIPDREV LYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10753 | DVTRIESD SKVIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10753 | DVTRIESD SKVIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135953 | LLQYVVK S FDRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149434 | QPQPFLP QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135922 | FFRMVISN PAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132102 | TNTSLAHE LWKVPLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110585 | GAPGIAGA PGFPGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.02 | -0.02 | -0.019 | t | 9756 | DPRVRGLY FPAGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.032 | 0.03 | t | 66219 | TSGITGDN TTTSSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.007 | 0.012 | t | 134087 | IGTLCAD AR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.027 | 0.022 | t | 115626 | LKDAIGEG KVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.024 | -0.02 | t | 138807 | RLQGISP KI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.053 | -0.058 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.01 | t | 64759 | TLDTAH | Equus caballus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.041 | 0.04 | t | 48566 | PMKTDLEL DFSLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.01 | t | 6562 | CLGDINAR DLICAQKF N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.011 | 0.01 | t | 149438 | QQPQQQY PSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | t | 54848 | RMADAVS RKKMDTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.008 | t | 48911 | PPSDIKGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133623 | KPGEMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.01 | -0.008 | t | 28691 | ISQHQCVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 135478 | LGGLGVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149030 | DFRFESSLS INDHA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 16018 | FGNDYED RYYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 16018 | FGNDYED RYYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 78609 | ANPSPHQ VYN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.019 | 0.02 | 0.02 | t | 55751 | RRTQSMG IQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.008 | t | 144671 | GREGYPA DGGYCNT ECTL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | -0.001 | t | 9845 | DQGNSDT SWNFAAK YLLETI | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.007 | 0.01 | t | 17838 | FSRPGLPV EYLQVPSP SMGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.027 | -0.017 | -0.009 | t | 109940 | SQDENPV VHF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 121682 | NVSDLTVA GPLVDLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 121682 | NVSDLTVA GPLVDLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137740 | DTPLTAQA LKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140825 | AGKLGTVS YGEEKPAV LGHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119629 | QPENNYK T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 118471 | KNAGVEG SLIVEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121183 | CVRGEYST CSAFRVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 49085 | PQQPFPQ QPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46998 | PAVVPDRE ILYQQFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 49085 | PQQPFPQ QPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39392 | LSGRPAIIP DREALYQE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22089 | GRIILSGRP AVIPDREV LYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 13623 | EPDKMTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 17769 | FSLGAKQ | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22084 | GRIILSGRP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 4911 | ATCMQAD LEVMTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 4911 | ATCMQAD LEVMTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 146952 | GAQYVW NRTALLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 116981 | FSTDWSTR PRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113001 | GIRKFAAD AVKLERM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108031 | MGTVLLP NGEFSIEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95844 | SGTSGPSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95845 | SGTSGPSG TSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95844 | SGTSGPSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78367 | EAGVLND GPRFTDAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95847 | SGTSGTSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95845 | SGTSGPSG TSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95844 | SGTSGPSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95847 | SGTSGTSG PSGP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115882 | PFAQTQSL VY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 99266 | GDLIAVPT GVAFWLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.028 | t | 118585 | RNPLIAGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.038 | -0.04 | -0.04 | t | 120598 | IARFKMFP EVKEKGM A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.021 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.04 | t | 10510 | DTVIYSKY GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.049 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.012 | t | 41609 | MGQHPAK S | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.002 | t | 41421 | MEQFIRAF IEIDKDN ELID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.007 | 0 | 0.002 | t | 41421 | MEQFIRAF IEIDKDN ELID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.007 | 0 | 0.002 | t | 41421 | MEQFIRAF IEIDKDN ELID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.002 | t | 41421 | MEQFIRAF IEIDKDN ELID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.07 | 0.069 | 0.07 | t | 111515 | LQPETTDL YCYEQLND SSEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.07 | 0.069 | 0.07 | t | 111515 | LQPETTDL YCYEQLND SSEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 133624 | KPGEMRG AA | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.05 | -0.043 | -0.05 | t | 132058 | SEVSGTQK VSFSGQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 105127 | DAEFRHD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36958 | LKMADPN RFRGKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 61800 | STNS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131862 | ELPSSNTG AWRVSTM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.013 | 0.01 | 0.009 | t | 66203 | TSFPPSP GPSCPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | -0.001 | 0.001 | t | 79111 | VNKGYTG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.026 | -0.034 | -0.042 | t | 52403 | QSPRRRRS QSRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.017 | -0.021 | t | 31205 | KIDSWEEE GWPAASG TH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.03 | -0.03 | -0.03 | t | 123643 | PYMPPPG M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.001 | 0 | t | 647 | ADDPLLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 108134 | SLCINLRA AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0.002 | t | 74144 | YHTLTATII R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.048 | -0.041 | -0.04 | t | 89533 | TLAYRFGN VTPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 1790 | AHKWYSQ WLPHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.019 | 0.02 | 0.021 | t | 123838 | VWQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.008 | 0.001 | -0.001 | t | 39023 | LQYGSFCT QLNRALSG I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | -0.001 | 0.001 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |

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|---|------|---|---|------|--------|-------|------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.028 | t | 135465 | GSDYEDRY YREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 145934 | PDIIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | 0 | t | 71506 | VTSTLTSLF RPGASQKI QL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21408 | GNDYEDR YYREMY RYPNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 21408 | GNDYEDR YYREMY RYPNQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9538 | DNPSSVPK KAAELYDK IK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9538 | DNPSSVPK KAAELYDK IK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.02 | 0.022 | t | 46443 | NVPEKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.02 | 0.022 | t | 46443 | NVPEKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 110679 | PETTDLYC YEQLNDSS EEED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 111169 | CQLDSQKI C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121670 | NVFQLEVA MALVDGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 96788 | QQEQQFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79044 | PNPNPNP NPGTTTSL ESFEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 17197 | FNLVYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137448 | SHKLHKV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140612 | VPVCDWE LNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156945 | QLHTSI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119492 | LRKKGYDP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119581 | FSCSVMH E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98168 | KKHEDAG ADKAVHL R | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115789 | IHPFAQTQ SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115731 | EPVLGPVR GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110607 | GNRGFPG QDGLAGP K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | 0 | 0 | t | 64056 | THNQWN KPSKPKTN FK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39375 | LSGKPAIIP DREVLyre FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11967 | EFDEMEEC ASHLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15913 | FFTELDGV RLHRFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36769 | LIYDAAVE GDLLFKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4451 | ASHLPYIE QGMHLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.033 | -0.03 | t | 48869 | PPPPRVQP RKTKSV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.005 | 0 | 0 | t | 55877 | RSKYGFGA KEVRSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.036 | 0.04 | 0.04 | t | 137918 | LGEKVLSK QETE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.009 | 0.012 | t | 122399 | HPQPEDP DTAKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 95899 | TDYKKYLLF CME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.016 | 0.011 | t | 119892 | GGDRGAP KRGSGKDS HH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.016 | 0.011 | t | 119892 | GGDRGAP KRGSGKDS HH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.026 | 0.02 | 0.022 | t | 25816 | IEGGEILL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.002 | 0 | t | 5214 | ATWSRPIY FDIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.029 | -0.031 | t | 103365 | LMILIATNL LGQNTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.015 | -0.02 | -0.021 | t | 56622 | RYPNQVYY RPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.01 | -0.011 | t | 139952 | WYSFSAV | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 22031 | GRFKSQD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.039 | 0.041 | t | 72805 | WLTEKEGS YP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.051 | t | 69235 | VKIDNASP AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.008 | t | 2046 | AIPLEVIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.009 | -0.008 | t | 2046 | AIPLEVIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.012 | t | 56501 | RYAHPS | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|---------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69271 | VKMAETC PIFYDVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63655 | TFGAASNK AFAEALST EPKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62912 | TALKKAITA MSQAQKA AKPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31580 | KKIQDCYV ENGLIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 12408 | EICPAVKR DVDLFLTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13644 | EPERTAM KKIQDCY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 751 | ADPVTTEG DYVVKISEF YGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 5781 | AYFYPELF RQFYQLD AYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10040 | DRRCQSQ LER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.021 | 0.013 | 0.008 | t | 60396 | SQCKLGSV DLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.067 | -0.062 | t | 135484 | MSRPLIHF GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.024 | 0.02 | 0.033 | 0.032 | t | 15509 | FEDVKGTG GESRDLP S GQG | Papio |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.016 | 0.007 | 0.01 | t | 31069 | KGTFDPLQ EPRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.016 | 0.007 | 0.01 | t | 31069 | KGTFDPLQ EPRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53009 | QYNLAFSD RQSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 136067 | KATI | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.02 | 0.02 | t | 18037 | FTPGAKQ NIQLINT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.032 | t | 123635 | PTTMKM WSD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156874 | GHFPPTPI KTLA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 150964 | AIDEITNKV NSVIEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115877 | NVPGEIVE SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 102247 | YNNPGLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 72919 | WNYDNAY CDKLCKDK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 72919 | WNYDNAY CDKLCKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 72919 | WNYDNAY CDKLCKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.012 | t | 37656 | LLPHSNLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137746 | DTPLTVQG LKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121739 | QCSLAIRIP YQKLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46824 | PAIIPDREA LYQQFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11970 | EFDEMEEC GSHLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 7348 | CYCYGLPD SVKIWTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135716 | LRSTKFTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133601 | HPMYPTW YSWQP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 61557 | STDNNNT KTISTDNN NTKTI | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.02 | -0.01 | -0.01 | -0.01 | t | 61557 | STDNNNT KTISTDNN NTKTI | Aotus lemurinu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 28693 | ISQQPFPL QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 28693 | ISQQPFPL QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.02 | t | 99028 | TPEGDLLEIL L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.037 | 0.044 | 0.04 | t | 33223 | KRTITSKKS KKAPSGAS GVK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.02 | t | 152057 | QAARQRL EPGRN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 151630 | FSTNWM NQHRPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.02 | t | 52292 | QSARRGEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 45367 | NPIDATAR S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.009 | 0.01 | t | 45367 | NPIDATAR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | -0.001 | 0.001 | t | 3933 | AQAANGG ASGQVKV TKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.008 | t | 58417 | SHSQWNK PSKPKTN MK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.01 | -0.008 | t | 58417 | SHSQWNK PSKPKTN MK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 94962 | VPTIAHGD GRRPSKQR TFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.021 | t | 60592 | SQWGWC GSTDEYCS PDHNCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.007 | -0.008 | t | 51775 | QNTRNIVP VSIVSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.002 | -0.007 | -0.008 | t | 137391 | DTHKRDTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.026 | 0.03 | t | 48733 | PPAAEYPP AAEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.026 | 0.021 | 0.02 | t | 54601 | RLITVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.031 | -0.03 | t | 50304 | QALGALK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.013 | -0.019 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.013 | -0.019 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.029 | -0.03 | t | 74798 | YLLPRRGP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.006 | 0.013 | 0.012 | t | 105684 | ASFDKVKG DPVGILYA VFKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.017 | -0.02 | t | 51027 | QHRLCVPS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.012 | 0.01 | 0.013 | t | 74045 | YGLLAVDP LFKP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.012 | 0.01 | 0.013 | t | 74045 | YGLLAVDP LFKP | Gallus gallus |

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|---|------|---|---|------|-------|------|------|------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20267 | GIGAVLKV LTTGLPALI SW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115602 | EAAAMELK VEDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115602 | EAAAMELK VEDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 114987 | YANTTSED GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149423 | QEQVPLV QEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140905 | TPAAKVLV EGNTDER GTPEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149423 | QEQVPLV QEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140905 | TPAAKVLV EGNTDER GTPEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 108350 | EQEETNPE VLIKDLQD | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.02 | 0.02 | 0.02 | t | 108350 | EQEETNPE VLIKDLQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 108350 | EQEETNPE VLIKDLQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103910 | FWDDFW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115399 | NMAINPS KENLCSTF CKEVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135714 | LNGKVDA F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149647 | CPPLELKN KHIEDGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132925 | WGANSPL | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123209 | GATPVVG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98239 | LTLVPAVV GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 98239 | LTLVPAVV GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98239 | LTLVPAVV GK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103532 | QSSFYSD WYSPACG K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61395 | SSTKNLIYN LTLCELNV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47591 | PFVQWFM GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57705 | SEYPSQPL S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42656 | MSRTFLM KAHGIES W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4452 | ASHLPYIE QGMQLAA EFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115987 | SVLSLSQS KV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 100288 | LSKINQPY QK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115425 | PSGAWYY VPLGTQYT DAPSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.012 | t | 7771 | DDFHTDE DKLDTNSV YEPYY | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0 | 0 | t | 28076 | IPSTAFTDI AWVRLPN HYG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149481 | SVCLHEVA YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.028 | -0.03 | t | 144759 | RAALPSHV VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.002 | t | 59922 | SNTFINNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.002 | t | 59922 | SNTFINNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 132927 | WGANVPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.02 | 0.023 | t | 7765 | DDEHVEEP TVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 266 | AALANSLS LG PQQKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 159077 | RSKHNRRE GYKTQNG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.039 | -0.027 | -0.03 | t | 115351 | LKQKSSNS RKKRSTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.023 | -0.02 | t | 53173 | RANPNPYT SRRSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.053 | -0.059 | t | 118119 | RSLKMRG QAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | 0.001 | 0 | t | 49872 | PVGGQSSF YSDWYSP ACGKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.007 | 0.011 | t | 48751 | PPATVYRY DSRPPE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.023 | 0.03 | 0.03 | t | 8567 | DHSDLVAE KQRLEDLG QKFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132067 | SLVLTNLNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.045 | 0.04 | 0.04 | t | 146230 | FDIPEEIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.034 | -0.024 | -0.02 | t | 4266 | ARTEGIIGK EWYKMFV NDFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.023 | -0.02 | -0.02 | t | 97203 | ANQAFKLT S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.023 | -0.02 | -0.02 | t | 97203 | ANQAFKLT S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | -0.003 | t | 48085 | PKINRSAS EPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.001 | 0 | t | 153251 | AKAFSYW TPFDGKSL YSST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 142166 | GLRRDLDA SREAKKQL EAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.026 | -0.026 | t | 122626 | VDVPNGR GDSLAYGL RS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.033 | -0.03 | -0.03 | t | 7193 | CTPPALNC YWPLNDY GF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120155 | QPSPYNG WRMEI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108832 | CGDRGFYF NKPTG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.031 | 0.032 | t | 52120 | QQQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 116943 | DFRDYSTR PFAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 61589 | STEQNVP DPQVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.001 | t | 29852 | KALENKKK QLSAGGK NLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | -0.001 | t | 16101 | FHENWPS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 94472 | CNPACGP KY | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.01 | -0.01 | -0.01 | t | 94472 | CNPACGP KY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 94635 | PACGRHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.01 | -0.01 | t | 94472 | CNPACGP KY | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.04 | 0.03 | 0.028 | t | 76310 | YVKGGGA VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.024 | -0.03 | -0.032 | t | 60541 | SQRPQQP FPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.032 | t | 60541 | SQRPQQP FPL | Mus musculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149033 | EDFRFESSL SINDHA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103531 | QSG LGDN GYIPDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153836 | HGPKATL QDIVLHLE P | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142200 | KGLRRDL ASREAKKQ LEAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142200 | KGLRRDL ASREAKKQ LEAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142200 | KGLRRDL ASREAKKQ LEAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153836 | HGPKATL QDIVLHLE P | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121677 | NVLALCVH SYLVDGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 41329 | MEECASQ LPYIEQGM QLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 11969 | EFDEMEEC ASQLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 157811 | QRQCQQR CER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110581 | GAKGSAG APGIAGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 92684 | FIDGGKGN DL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 63915 | TGPCKTCT IPAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 57705 | SEYPSQPL S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 139892 | SKLPLAL | Ovis aries |

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|---|------|---|---|-------|-------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.023 | 0.03 | t | 135443 | AGLGGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133843 | GTKAVTKY TSSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0 | t | 56366 | RVNAANK KPEDLTN DLETD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.03 | t | 159131 | SRLEHQM WEAVKDE LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 8391 | DGGKMV QV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.013 | 0.01 | t | 1878 | AIDNLRAS LETTNQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.063 | -0.06 | -0.06 | t | 110390 | QWGRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.023 | -0.02 | t | 27703 | INNVLNLY VFSKIFGKS PVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.008 | 0.003 | 0.001 | t | 110957 | PAAVTLAE ADRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.028 | t | 118582 | RGYISPYFI NTSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.04 | t | 115035 | ASSDSSNT E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.01 | t | 111589 | NLIRHVGG GTPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 126918 | RDYIPRILG PEAFQQY VGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.023 | -0.02 | t | 4023 | AQPGYPW PLY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.041 | 0.037 | t | 47127 | PDKEVLYQ QYDEMEE CSQAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.01 | t | 97531 | NQTIQRDK V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.01 | t | 97531 | NQTIQRDK V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.046 | -0.048 | t | 107895 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.001 | 0 | t | 48511 | PLTNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.011 | t | 136740 | WDETLLD KF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.047 | 0.049 | t | 65343 | TNINSDSQ GRQQMT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 135415 | AAKAAA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.01 | -0.011 | t | 110766 | AIKSEVSLT GAL | Macaca |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.081 | 0.07 | 0.069 | t | 117235 | SS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.027 | 0.027 | t | 115379 | MAIPPKKN QDKTEIPTI NTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 145831 | IPLGTRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58922 | SKPTTKQR QNKPPSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79445 | VCAKGPP QLPRCP | Mus musculus |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79445 | VCAKGPP QLPRCP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 91100 | AFQTPVHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151731 | SAQSQRA PDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.001 | t | 31118 | KHIHKDIG HC | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.047 | 0.048 | t | 98919 | NSAEPEQS LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 45597 | NQNNFVH DCVNITIK QHTVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.011 | t | 45597 | NQNNFVH DCVNITIK QHTVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | t | 115732 | EQQQTED ELQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 122593 | SSSLWAVP SADPRFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132907 | TCYDDEM KIGFPEDL | Trichosu rus vulpecula |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123368 | KIKAYMES E | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115933 | QWQVLSN TVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 58228 | SGSGANN SSSSGSGSI YN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147546 | CFGSLPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141559 | SDEALPLG SPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141559 | SDEALPLG SPR | Mus musculus |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|--------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144666 | GREGYPADGGKGS GYCA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153343 | ACRDHLYGSCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132121 | WGDSSKPVSPDWN K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119476 | KKKKYAEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119628 | QGNVFSCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114759 | CRKELAAVSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69885 | VLYQEFDEMEECASH LPYIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46990 | PAVIPDREVLYQAFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49086 | PQQPFPQQPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49086 | PQQPFPQQPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47177 | PDREILYQQFDEMEE CSRHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50914 | QGMQLAEQFKQKAL GLLQTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 96240 | EKQMKDKQDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78315 | WQTFYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 97966 | DYQAKLTAYQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79960 | PFCFGKDLKRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.021 | 0.01 | 0.008 | t | 111437 | IYNALSSAGLQNIQIK | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.039 | t | 55185 | RPKHPIKH QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.057 | 0.06 | t | 78872 | VIPDREVL YQEFDEM EECAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.034 | -0.04 | t | 51841 | QPGLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.029 | -0.03 | t | 10518 | DTVTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.068 | -0.063 | -0.07 | t | 121267 | ERMERKR REK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.021 | 0.02 | t | 23349 | GYGTVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156852 | AYQLGYSP PPLPNPH | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.007 | 0.01 | 0.01 | t | 52910 | QYGLEKRD NGHQGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.007 | 0.01 | 0.01 | t | 52910 | QYGLEKRD NGHQGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 96771 | QFFRRMD Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156889 | HNRKCDY YIAECNVM P | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.021 | 0.019 | t | 19511 | GFDEMEE CASHLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 66241 | TSGTSGTS GTSGTSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 130924 | KLFPEEDE MRTETQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.009 | t | 96521 | KVTKEKPT PP | Homo sapiens(human) |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.013 | 0.019 | t | 122205 | VFTLPPPL PETH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135502 | SSSQHL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137375 | AHHFSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.069 | 0.06 | 0.059 | t | 79851 | GVINE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.009 | 0.009 | t | 58809 | SKEKATAA SLTIPRNSK KSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | -0.002 | 0 | 0 | t | 68019 | VDLPQPGL RR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | 0.001 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | 0.001 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.014 | 0.017 | 0.02 | t | 158746 | ETKAFLKA GDADGDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108860 | DGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108860 | DGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 52138 | QQQTAPK APT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.022 | t | 55783 | RRYQEERP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.059 | -0.05 | -0.052 | t | 78635 | EKIERNNK LKQPPPPP NPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.067 | -0.06 | -0.057 | t | 105696 | CAPLKPAK SA | Mus musculu s |

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|---|------|---|---|------|-------|------|------|------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123169 | FGGGDAP PA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115464 | QYTDAPSF SDIPNPIGS ENS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137935 | NFNTVRY DYYGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153499 | WSWQPPL FPTDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119733 | AAQGARV YAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 119733 | AAQGARV YAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119733 | AAQGARV YAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119733 | AAQGARV YAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 122597 | SVDDARK AWIHDFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 119733 | AAQGARV YAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98954 | QEQVPLV QQQQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98955 | QFEDFFPA SSRDQSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39371 | LSGKPAIIP DREALYQ QFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47186 | PDREVLYQ EFDEMEEC SQHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 48735 | PPAAGPP AAGPPAA GPPAAG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22101 | GRITLTGK PAVVPDRE ILYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 7003 | CSGLSSLFT PGPKQQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99067 | YLQLQFPF QPQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111559 | MPLVSQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 63922 | TGPCRTCT IPAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 73185 | WVDWV | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95817 | SAQSGTSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 53868 | RGFTSLFS AFSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.03 | -0.03 | -0.03 | t | 136364 | IDPLMFKY WYNM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.03 | -0.03 | t | 136364 | IDPLMFKY WYNM | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 118324 | EIKRTLKIP AMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111560 | MPMTPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.003 | -0.01 | -0.012 | t | 31916 | KLILAYTPP GARGPQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.002 | 0 | -0.001 | t | 56610 | RYPGQGS PGGNRYP PQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.018 | t | 134219 | RPYNIYPH GITDVRPL YSRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.017 | 0.02 | 0.022 | t | 66751 | TTPAQGTS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.011 | 0.02 | 0.022 | t | 139880 | RDEYDHVL SAKLAEQY DT | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 134710 | KNWKEES DRKIMQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0 | t | 25004 | HTYARFGI EIQVQINP TPFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.012 | t | 19637 | GFTTNEPR YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.012 | t | 19637 | GFTTNEPR YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.004 | 0.009 | t | 3274 | ANETIYNT TLKYGDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.02 | -0.009 | -0.008 | t | 31502 | KKDGKKAE PKNPRENK LDQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 134176 | NSSYFPGK L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.035 | -0.033 | -0.028 | t | 12115 | EGAARQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.033 | -0.028 | t | 12115 | EGAARQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.009 | 0.01 | t | 137928 | LSADFTPG TEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.029 | -0.033 | -0.032 | t | 74358 | YIQQGNGI FGMIFPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.002 | t | 58381 | SHLPYIEQ GMQLAEQ F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 122875 | PRGWNPG FLYNGFPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.008 | 0.019 | 0.02 | t | 71849 | VVTGATVS SQ | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0 | 0.007 | 0.01 | t | 42657 | MSRTKETA RAKRTITSK KSK | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 118431 | ISDAMKKV GRKGVITV KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 78392 | GDLRAYK MVYATNP QTQLSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 98365 | QGGLCKAL QEQCRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 117110 | WNTDFST RAAHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 5270 | AVARSAQ SLTSLFVSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.036 | 0.05 | 0.05 | 0.051 | t | 134148 | LQSDQEEI DY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.008 | 0.01 | t | 96352 | GVTKAAEK QM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.02 | 0.021 | t | 96220 | EENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 76396 | YVRGGGA VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70536 | VQDGSVT EQIIEELF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.087 | -0.1 | -0.09 | -0.091 | t | 111231 | EDLLMGTL GIVCPICSQ KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.023 | -0.031 | t | 140718 | NKWERAR YAER | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.002 | t | 118374 | GKALCWV CAQSRKH RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.002 | t | 117509 | GQIPPGA M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.002 | t | 118383 | GLKKMLRT CAVHITLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.002 | t | 118105 | RKGHFLLS SKSGFWTI WL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.002 | t | 117348 | PTRAPSGP RPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.008 | t | 51390 | QLKLDWF KKGSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.031 | -0.037 | -0.04 | t | 56841 | SAKIMPAL PGLPFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.01 | -0.012 | t | 136361 | HVRIPPTM PEAW | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.058 | -0.067 | -0.07 | t | 10090 | DSDFP IQN LP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153350 | ACTSPNQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137539 | KVKDDEL R VIRPSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 133954 | WIKENF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 118323 | EIGNIISDA MKKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156928 | PAPRFF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156937 | PMSKSHL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149080 | NMTQAA Q | Sus scrofa |

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|---|------|---|---|---|---|---|---|---|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131911 | HSLNIGDY NRTVGKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123167 | FGAGDAP PS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107674 | VSVLTVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108582 | PSFPALR L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105177 | FARANRGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 68018 | VDLPQLGL RR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79643 | SHLSTML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79971 | PLRMFLGP KQLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78396 | GLANDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79971 | PLRMFLGP KQLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63923 | TGPCRTCT TLAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60679 | SRGNHVS PTHYVPES DAAAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47191 | PDREVLRYR EFDEMEEC AAHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55645 | RRLHQWI NEDYPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47192 | PDREVLRYR EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4453 | ASHLPYIE QGMQLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6079 | CCRHKQKI VDPVKQTL PPS | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4450 | ASHLPYFE QGMQLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0 | t | 12143 | EGDEATG ANIVKVAL EA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.011 | t | 115122 | VPSEYLG YLEQLRLK K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.001 | -0.008 | t | 130808 | ENEPPVW TTESKLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.019 | -0.019 | t | 47726 | PGPSQKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.007 | 0.01 | t | 89 | AADKPTLD IRMMNIE A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.007 | 0.01 | t | 89 | AADKPTLD IRMMNIE A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 46859 | PALTAVET GATNPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.009 | t | 54975 | RNCKKLGP RENV A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.082 | 0.081 | 0.078 | 0.078 | t | 106878 | STSSSSSGS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 73081 | WSLFLNH AE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123373 | KITQNNA MKI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.001 | 0 | 0 | t | 9524 | DNPASTT NKDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.047 | 0.048 | t | 7782 | DDGKGDR SHKNEDES ALASK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 106342 | DIVMTQSP DSLAVSL | Mus musculus |

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|---|------|---|---|------|-------|-------|-------|------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.045 | 0.039 | 0.04 | t | 14849 | EVPTTKPT EEPTINT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 124588 | PQEETLQA FDSHYDYT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133775 | AETNRAPF DLAEAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122857 | MGCSSPP CECHQEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103499 | PSRTWSPP FESEDSQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99836 | QFPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99834 | QGGQGGY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99833 | PPFSQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106327 | DDDKLEQI RRDYTSGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99842 | RPQQPYP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104171 | PGSGFWS FGSEDGSG DPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 103309 | KKNGRILT LPRSNPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80049 | TGELTMY WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79891 | KSADVESD V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97348 | GLFGAIA G FIEGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75286 | YPFMWG GAYCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70472 | VPSDTVQT RHVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65974 | TQYERE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73430 | YAQYMSR AYAEFLGE DPGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95050 | YCEIIVTHF PFDQQNC T | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79624 | PEEQVPQL IPPIIPRA G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73636 | YEDRYYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69462 | VLELAA | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73328 | YAAQNRRLDLLFWEQGLC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95058 | AGLQND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74068 | YGPQVDY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71143 | VSSYHSPKCNPAQPV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73636 | YEDRYRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61944 | STTNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94979 | YNKRFPGFVSP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78937 | AYSDDFFVGRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94838 | GTSSCRLVP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64086 | THTPLPRGIGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48279 | PLATQPPVLAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47453 | PEVIRMQDNNP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53484 | REEEDDDDEDGEDA | Mus musculus |

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|---|------|---|---|---|---|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44409 | NIYFNIY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48084 | PKINRSAP EPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38422 | LPAYQDYT ARAQVSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57320 | SDYEDRYY REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40332 | LVFFAEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56614 | RYPHYSLIK PESSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48779 | PPFSLSPV PTLGSRSR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38918 | LQND | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|--------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41610 | MGQHPAK SMDVRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41103 | MAPEVIR MQDDNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38345 | LNTEPSQL PPTAPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47925 | PILQERPPL ENR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55996 | RSVYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39423 | LSHNPGAS ALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48906 | PPRRVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46786 | PAEVTQLK GLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10801 | DWEDRYR E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31414 | KIRPRGQR DSSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17470 | FQEPPWLE DG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14435 | ETIYNTTLK Y | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10529 | DTYRYI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30661 | KEVPALTA VETGAT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHDA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11813 | EENVEENV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11148 | EANNREG VEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6918 | CRFPNITN SHVPILQE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1807 | AHPLHPA NLVANTV NAMFH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1450 | AGAPSAE QREER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.034 | 0.02 | 0.02 | t | 149642 | AVFYTTN | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.003 | -0.01 | t | 49763 | PTRAETRE ERMERKR REKIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.011 | t | 6020 | CAQQWPE WYPC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132631 | RRSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.043 | 0.038 | t | 77923 | ISPTQLYA QVRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0.002 | t | 133672 | RGGMR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.017 | 0 | 0.004 | t | 145726 | CKQAGTC PPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.041 | t | 94570 | KPHFLLAT EDDVRHH FTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.012 | -0.012 | t | 146852 | DVAVFAR GPQ AHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.01 | 0.001 | 0 | t | 44018 | NGKQVES PAPSGHT HLKKPA | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | 0.001 | 0 | t | 44018 | NGKQVES PAPSGHT HLKKPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 107194 | LEQTELSV TRET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 110951 | NDGYFWE DGTNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 107194 | LEQTELSV TRET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 104124 | MNKTFVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79346 | QCETESDL LIPSCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 95830 | SGASAQS GTSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 95830 | SGASAQS GTSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 95830 | SGASAQS GTSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131130 | VIASLTCG RRFEYDDP RFLR | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113751 | QGGQQGQ QPGQGQ QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113475 | GQQGQQ VGQGQQA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113773 | QGGQQLG QGGQQG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 93073 | KDEKIEEI G | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47186 | PDREVLQ EFDEMEEC SQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 54799 | RLVDADD P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 42344 | MPVHWA PAPAQPP ADIYFPV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 6060 | CCDLAPEA RQAIKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 6060 | CCDLAPEA RQAIKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 139630 | VDIDIKIRS CRGSCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123486 | MDLRMGF VR | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 98294 | NNLTLVPA VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115718 | EAVESTVA TL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 98294 | NNLTLVPA VV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 55305 | RPQQPFPL QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 55305 | RPQQPFPL QP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 21737 | GPPVAPTS A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 92973 | IFKGSKFN DA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.001 | 0 | 0 | t | 6139 | CDSSDRPR VYTIT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 49950 | PVRVAWS SPVQNCEP WIPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 49950 | PVRVAWS SPVQNCEP WIPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149299 | ELDKWKSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 54008 | RGVGSTV VILDANFV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.033 | -0.03 | t | 88259 | RTLVMMA NTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 96455 | KGKNVLIN KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134704 | KFFNSNKK KRDDFEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.011 | -0.009 | t | 18036 | FTPFIYQS SRTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 60400 | SQDADYH R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.02 | t | 37716 | LLQSARRG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.023 | 0.022 | t | 130448 | AYAKDVKF GADA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.021 | t | 136731 | VRVFQATR GKLSSKCS VVLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99836 | QFPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.018 | 0.018 | t | 106520 | HTHEGGQ LHC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 24590 | HQLDPAF GAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 56175 | RTS | MD |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 6028 | CARSLVNL FTPGARQ N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.012 | t | 118528 | MSLLNKPK SEMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48597 | PNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 117227 | RGNNIRYF ILPDSLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.02 | -0.017 | t | 48996 | PQFKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.003 | 0 | t | 159063 | RKAADTFN FKTFFHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 141943 | LEKKETLG CDESECV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 27462 | IMDINKRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.009 | t | 108213 | WQQGNV F | Mus musculu s |

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|---|------|---|---|------|-------|-------|--------|-------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 123169 | FGGGDAP PA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.024 | 0.024 | 0.022 | t | 8218 | DEYDDAA DAAGDRA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 147563 | CYGTEPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 92841 | GNDGNDR LFG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.003 | 0 | t | 68023 | VDMIAGA HWG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149430 | QPFLPQQ PYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149430 | QPFLPQQ PYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137444 | SDEALPLG SPRCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140874 | KGYLAGKG VDAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117516 | GRGRGRG RGRGRGG P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119533 | TKLSNTPS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103338 | LAPDTVPL AGVVLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115932 | QVLSNTVP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113749 | QGQQGQ QLGQQGQ G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114406 | IGGRVHFF KDISPIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103928 | GKLPIAM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103327 | KTINLCAP DDPICTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79515 | ALSIIGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72561 | WHWTWL SDYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69884 | VLYQEFDE MEECASH LPYFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47182 | PDREVLQYQ DFDEMEE CASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55643 | RRLHAWIT EDCPVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50744 | QFDEMEE CSASLPYM DETRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10833 | DWVCSVL ADFKAWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10833 | DWVCSVL ADFKAWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.003 | 0.001 | 0 | t | 11974 | EFDEMEEC SQHLPYIE QGMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.024 | t | 145923 | NPPIPVGEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 120959 | SPLNVLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.015 | 0.013 | 0.01 | t | 46459 | NVQLINTN GSWHLNS TAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.011 | -0.01 | -0.01 | t | 60595 | SQWNKPS KPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.011 | -0.01 | -0.01 | t | 60595 | SQWNKPS KPKT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.031 | t | 6386 | CHGSEPCII HRGKPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.02 | -0.017 | -0.02 | t | 156860 | DRWNSM WKESLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.037 | -0.03 | t | 131316 | TLMVMVS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 116682 | CHGRGTC NYANAYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.036 | -0.032 | -0.032 | t | 24454 | HPHDLDD ARRDGRA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.017 | -0.017 | t | 105696 | CAPLKPAK SA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.042 | -0.04 | -0.042 | t | 6500 | CKLSCFIRP SGYCGR | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.042 | -0.04 | -0.042 | t | 6500 | CKLSCFIRP SGYCGR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 116951 | DLNTNRT QMV LH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.027 | -0.029 | -0.032 | t | 37316 | LLGCIGSTC A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 63792 | TGATVSSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151020 | LCKLRGVA PLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 108210 | WFTSWER DWW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 145776 | FDTGA FDP DWPY | Mus musculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 145776 | FDTGA FDP DWPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 145776 | FDTGA FDP DWPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.02 | 0.011 | 0.01 | t | 11362 | EDKAWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.064 | 0.053 | 0.059 | t | 144885 | EPGQLKLN WFKKGSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 97746 | VNLTLTGD V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 144659 | GREGYPA DGGAAGY CNTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 98944 | PSQQQPQ EQVPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 151064 | TPKGAIN T SLPFQNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153336 | ACNQVLS WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103534 | QSVCPILA EPGGSFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114784 | ECKETVP MNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 75847 | YSPELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 63344 | TEEIDEIES VTEEVVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 63344 | TEEIDEIES VTEEVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 63344 | TEEIDEIES VTEEVVE | Mus musculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 63344 | TEEIDEIES VTEEVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79466 | YCDAFLIE QANHWCW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 63344 | TEEIDEIES VTEEVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78759 | PGLRPQNL YTLWGGS VVCMY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46823 | PAIIPDREA LYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149299 | ELDKWKSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140586 | PWQLPLN FQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132077 | SPNGSSSV NWPPEFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 93496 | NLKDLTFE KV | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 52821 | QVYLHGD KTKPMILT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 55305 | RPQQPFPL QP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 55305 | RPQQPFPL QP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115460 | QTPVVVPP FLQPEVM GVSKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.012 | t | 61326 | SSSAKPES | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.013 | t | 130581 | QAFDSH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131295 | ECQEATL MVMVSK DLFGTGK | Callithrix pygmaea |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144820 | YLEDWIKY NNQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74036 | YGLFHKEK MLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74035 | YGLFHKEK MIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8133 | DEQFIPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9684 | DPMFTPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0 | t | 90911 | YPTVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0 | 0 | t | 146795 | CCELCCNP QCAGCY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.057 | -0.06 | -0.059 | t | 132835 | HFRWG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.042 | t | 135486 | PELEETLTH TITKLNAE NNA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 135477 | LGAGLG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45406 | NPNANPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1259 | AFASRGN HVAPTHY VTESD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.033 | 0.03 | t | 55641 | RRLGRQTY DNES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.013 | -0.022 | t | 120952 | SLGSRRTL MLLAQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.043 | 0.053 | 0.052 | t | 106343 | DIVMTQSP LSLPVTPG EPA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 115906 | PVEPFTES QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 108580 | PQSPGSSF P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.02 | 0.02 | t | 141617 | DLEDIIKG NDLVHDE Y | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141617 | DLEDIIKG NDLVHDE Y | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153348 | ACTALQQ WLCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.02 | 0.02 | t | 141617 | DLEDIIKG NDLVHDE Y | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106836 | SGMARAP ESLQV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147545 | CFGHKPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137450 | SHRLPLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149110 | SRAPRFP WLNPLDG W | Rattus norvegicus |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153342 | ACRDHFST HCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149062 | IPPNPSQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141576 | WKLRKWF FKDGG | Rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113479 | GQQPGQA QQGQQP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111808 | STHNYEEI PMDTFIVS T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 95446 | HKQKIIAP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95446 | HKQKIIAP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96021 | YLQYLYQG PI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1261 | AFASRGN HVAPTHY VVESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 131928 | KEPQSRLR KWTTVDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115923 | QPLPPTV MFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.046 | 0.063 | 0.07 | 0.07 | t | 113302 | CDDDDDN DGVPSDR DNCRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64541 | TKDTNNN L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 38918 | LQND | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.001 | t | 38304 | LNPKTNK WEDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 132124 | YLNRIHELL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.01 | 0.01 | t | 21625 | GPFYTSAP Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.01 | 0.01 | t | 21625 | GPFYTSAP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.007 | 0.003 | 0.013 | t | 117451 | DDGFFYIP KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79360 | RCPYYTRH PSMRCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51122 | QIPYNLKIF AIMLDTHK MLT | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.051 | 0.05 | 0.05 | t | 24013 | HHPVDLA DWELIESP ED | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.009 | -0.011 | t | 125401 | ELLTEHRM TWDPAQP PRDLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 27959 | IPNGTYRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.023 | 0.03 | t | 135980 | QSRRRGD MSTLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | -0.001 | t | 45327 | NPDREYDF RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 58143 | SGNCDVVI GIINNTVY D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0 | t | 45303 | NPASTTNK DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 19900 | GGKMVQ VV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.021 | -0.019 | t | 51775 | QNTRNIVP VSIVSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.019 | -0.02 | t | 98396 | QQQQFLG QQQPFPP QQPY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.03 | t | 139806 | LLSPVRRD QPLFTFRQ VG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.042 | t | 27494 | IMGGECPT AEDMVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 141935 | KKPGGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 124604 | QIERDTER DRFLSAPE AV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 70735 | VRGTLGDI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 62813 | TADEWDII | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 62813 | TADEWDII | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 62971 | TAQRCDH S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 62971 | TAQRCDH S | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 70735 | VRGTLGDI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 41449 | METMKL MMEKVD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 41449 | METMKL MMEKVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43215 | NALTQPV DQLLK | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 48733 | PPAAEYPP AAEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 48568 | PMLPSHP A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43215 | NALTQPV DQLLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 49510 | PSSLVDSL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 56918 | SANNDAEI GNLI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 43215 | NALTQPV DQLLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.04 | 0.041 | t | 140665 | DTAAQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.028 | -0.04 | -0.042 | t | 69183 | VKAVTTLL KA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149046 | FQINPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149094 | QPPNITQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 117065 | QFTGSTRQ HAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149026 | ANITQSS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142636 | EQIYRVDL RTLRYG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149725 | GSEKEAPS KDFYLKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123554 | NPKFEEVK E | Ovis aries |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113751 | QGGQGG QPGQGG QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 88462 | SEDRETRP HGRNNEN FVYNR | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46774 | PAEEEEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 48735 | PPAAGPP AAGPPAA GPPAAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 46774 | PAEEEEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 29402 | IVPNSAEE RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156938 | PPEKIHV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149059 | HLYNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115309 | KFPQYLQY LYQGPIVL NPWD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103385 | LRPASCRF VPTCSQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 93039 | ITSKQVDD LI | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79636 | QVARTSF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 51306 | QLDPAFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115201 | DDIMCVK KIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 110619 | GPVGPAG GPGFPGA P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 117671 | VCEHCD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0.007 | 0.001 | t | 115628 | LPCRISPGK NAT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.086 | -0.083 | -0.078 | t | 58206 | SGPWSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.046 | 0.05 | t | 118806 | GPGDGE DVPPGAIE QGPAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.013 | -0.011 | -0.011 | t | 43840 | NFGDQDLI RQGTDYK HWPQI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.039 | -0.038 | t | 134162 | MKHMAG A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.024 | 0.02 | 0.022 | t | 56587 | RYLSQLCS GGYT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.022 | t | 56587 | RYLSQLCS GGYT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.01 | -0.01 | t | 153837 | HGRLVTLK DIVLDLQP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.02 | t | 122730 | DPAQPP D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.04 | -0.04 | t | 131305 | RARAKW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.031 | t | 130802 | EHRMTW DPAQPP DLTEAFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.017 | 0.028 | 0.034 | t | 12931 | ELADALLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.01 | t | 97523 | NGRGEGT VL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.031 | -0.031 | -0.029 | t | 45531 | NQDPDKIL TYIAADH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.029 | t | 45531 | NQDPDKIL TYIAADH | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.031 | -0.031 | -0.029 | t | 45531 | NQDPDKIL TYIAADH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.029 | t | 45531 | NQDPDKIL TYIAADH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.029 | t | 45531 | NQDPDKIL TYIAADH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.009 | 0.01 | 0.01 | t | 149729 | GTVTGHPT FNALLDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.008 | -0.001 | -0.002 | t | 10277 | DSYGRDPY SPSQDPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.02 | t | 137896 | IANGYRDV VADV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.009 | t | 65982 | TQYQKES QAYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.004 | 0.011 | 0.012 | t | 55838 | RSFQNKKS LVAFKIMP LEDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.008 | -0.01 | t | 117010 | IRTDESTKR LPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.009 | t | 122173 | QSIQQSIE RLWCRLW PLPFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.032 | t | 133676 | RIYMRMK HVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.04 | 0.033 | 0.04 | t | 127964 | EQLIEKLIE DDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.009 | -0.008 | t | 44870 | NLSGKAV NHIRS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151020 | LCKLRGVA PLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94636 | PACGRHYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94636 | PACGRHYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52929 | QYIKANSK FIGITE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23191 | GVTYEIDL TNKNAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.007 | -0.008 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 42276 | MPHGFIN WHGAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149054 | GSPNFTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135790 | VVGGEDA K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149076 | NATQAST | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 113189 | TDKKSYPE LEDPGVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 57531 | SELPQWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 57531 | SELPQWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149535 | YPQPQPFL PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140256 | KYEQGGNI ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140256 | KYEQGGNI ID | Mus musculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148761 | QFPGQQQ QFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140256 | KYEQGGNI ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149535 | YPQPQPFL PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117514 | GRGRGRG RGRGGPR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123553 | NPKFEELK G | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119665 | VLHQDWL N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123173 | FIKWPLNG W | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114975 | VLCNRAFN PV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114406 | IGGRVHFF KDISPIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107815 | EIDGYNN QFKKSPLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113762 | QPAQGQQ GQQPGQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78227 | PHAMVDH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79933 | MLRAVFM QQRPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50099 | PYIEQAQV IAHQFKEKI LGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57708 | SEYPSQPS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144647 | GDNGKGF FELPMKD | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | 0.001 | t | 23973 | HGYEKPEE LWTAKSR VHPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.003 | 0 | t | 82532 | GADLAGA DLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.03 | 0.03 | t | 27421 | ILYEAFFE M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 112911 | ASDLEKIHL DEKSFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.013 | 0.012 | t | 106380 | EFFRHNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.013 | -0.019 | t | 120711 | KQLATKAA RKSAPAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.048 | -0.04 | -0.039 | t | 125454 | KDYKTMV KFCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.03 | t | 131697 | TGTSSDVG GYNYVSW Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.007 | -0.01 | t | 30102 | KCYTTGTII NQDPDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.026 | -0.03 | -0.032 | t | 44476 | NKDKLFTV WK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.032 | t | 44476 | NKDKLFTV WK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.007 | -0.01 | t | 52597 | QTPVNGN SPWAPTA PLPGDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.009 | 0.013 | 0.018 | t | 122210 | VRVIDPSL GDRKDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.048 | -0.05 | -0.05 | t | 127963 | EPKPKKAP AKKGKGV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 61026 | SSGIGPEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.025 | -0.017 | -0.019 | t | 117403 | YALKRQGR TLYG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.009 | 0.01 | 0.012 | t | 24841 | HSQWNKP SKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.013 | 0.01 | t | 79674 | VPVRLAGV GFESKIVD GGCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 29463 | IVTCAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.048 | t | 118372 | GIARVPLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 108152 | TCPPCPAP ELLGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 91860 | QSEGATNF GDIGVQQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111149 | CIPASGQT C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 148963 | TPQQQFP EQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132926 | WGANTNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127663 | GGYVKLFP NS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110582 | GANGDPG RPGEPLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115310 | KHIQKEDV PSERYLGY LEQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95828 | SGASAQs GTSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97311 | FPLPTDAG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95828 | SGASAQS GTSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95828 | SGASAQS GTSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95828 | SGASAQS GTSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95828 | SGASAQS GTSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97311 | FPLPTDAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39370 | LSGKPAIIP DREALYQE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149961 | SWKHWSY | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 104232 | SAMWDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78077 | YPYSMWK NLWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79655 | TASFHRN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 90912 | YPVLVNFN SN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 57706 | SEYPSQPP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 27598 | INCYTEGP CVPKPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.019 | -0.022 | t | 133695 | SHNQLLRI QALD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 135483 | MDRHDFG F | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 30553 | KENYIYGT CYYTASDR TAFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.008 | 0.001 | -0.002 | t | 47067 | PDCPGVG TGCTA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 73636 | YEDRYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.003 | 0 | t | 71431 | VTNNTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.037 | 0.05 | 0.05 | t | 110308 | KTCKQAGT CPPDIIPKV EG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | -0.002 | t | 134029 | DEDENQS PRSFQKKT R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.049 | 0.05 | 0.05 | t | 157171 | DQRSQEE RER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 134516 | RSGTVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 134516 | RSGTVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 107156 | GLAGAPGL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.008 | 0.001 | 0.001 | t | 50180 | PYVEPTAP QVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.01 | -0.007 | t | 30052 | KCEVFREL KDLKGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.013 | -0.017 | t | 120590 | HWYRATH QEAINCYA N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.021 | -0.02 | t | 22881 | GTVVAVG PGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.034 | -0.04 | t | 138232 | RLTSSLRY NP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.011 | -0.012 | t | 22871 | GTVAPQIP PNWHIPSI QD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.03 | t | 131035 | RHQREITR TTLQSDQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.018 | 0.016 | 0.02 | t | 43215 | NALTQPV DQLLK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 150977 | EEAKLNRE EIDGVKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.02 | t | 159085 | RYKYYPET PQGLAKII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.011 | t | 117069 | QRYYSTRP RAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156675 | GPRVVER HQSACKD S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.023 | 0.02 | t | 117888 | GQILDILVS RSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 926 | AEGEFKTR RNTNYQD PAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 926 | AEGEFKTR RNTNYQD PAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79445 | VCAKGPP QLPRCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.024 | 0.017 | 0.019 | t | 66833 | TTSTGPCK TCTTPAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 137735 | DTALTREA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 141687 | KLQKKETE CEEEKGPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.04 | 0.04 | t | 141687 | KLQKKETE CEEEKGPL | Rattus norvegic us |

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|---|------|---|---|------|------|------|------|------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117661 | TVTSAHPE DSSFYICS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111110 | ANKSEVPL DICTSIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115194 | CNISCDKF LD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78216 | NKLSAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137738 | DTELTQQA LKL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123455 | LPNLPYYID | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112940 | DQMAVEK LSDGIRKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103116 | DSIYYVDA NASIQEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101862 | LLNYKQEG D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70670 | VQWMNR LIAFASRG NHVAPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78169 | GKHGKEIKI T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50106 | PYIEQGM QLAEQFK QKALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39917 | LTGKPAVI PDREILYQ QFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47176 | PDREALYR EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46992 | PAVIPDRE VLYQGFE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44869 | NLSGKAIN HIRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41324 | MEECASH LPYIEQGM QLAEQ | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46998 | PAVVPDRE ILYQQFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32484 | KNESKYSN TFQMNAY NMSIR | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11968 | EFDEMEEC ASHLPYIE QGVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30636 | KETNNAIS FMSNAGS LEKK | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7000 | CSGFVGLF SPGPSQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119515 | RKKKPPGL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 131896 | GQKPPLST WDNSPLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110954 | NNKYTVTL KATP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115850 | LPVPQKAV PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115396 | NLLRFFVA PFPEVFGK EKNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 92780 | GDDFIDG GKG | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.014 | -0.021 | t | 115109 | SKIFKLGGR DSRSGSP MARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.002 | -0.001 | t | 56200 | RTTSGLT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.003 | -0.013 | -0.012 | t | 136394 | IPYTHAHA DHTL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0.001 | t | 19266 | GEFPRHVK LKNEIENLL DQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132525 | PGPSPLPH RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117122 | YTYTDYST RPHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117122 | YTYTDYST RPHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 7488 | DADYHRV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.009 | 0.01 | t | 2052 | AIPTDPRN VGGDLDP SSIPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.007 | t | 110785 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.007 | t | 110784 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.007 | t | 110783 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.019 | -0.021 | t | 17553 | FQWSWYT PPRPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 122228 | YLGRGDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 50429 | QDADYHR V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.04 | 0.042 | t | 135472 | KDRHDF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 108105 | RRLPFGSS L | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.046 | -0.037 | -0.037 | t | 31388 | KIPKTITVS T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 145947 | PPDIIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 94476 | CNPACGR HY | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.01 | -0.01 | t | 94476 | CNPACGR HY | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.01 | -0.01 | -0.01 | t | 94476 | CNPACGR HY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.021 | t | 123837 | VVGAVQG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.027 | -0.013 | -0.018 | t | 136634 | SINASPGV VVDIAHSP PAKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 118394 | GVPAGVPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135931 | GDVEEAIE RAVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 151071 | YAADLKST QNAIDEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127680 | HFHRPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121816 | RRSHRSER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115496 | SSEEIVPNS VEQKHIQK EDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112935 | DFLTISPKL LGELLQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115437 | QKALNEIN QFYQKFP QYLQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97166 | AAIVVGSA A | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97290 | EVELKLNLA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78228 | PHANMTHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97188 | AGVATATG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95846 | SGTSGTSAQSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95846 | SGTSGTSAQSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 88461 | SEDRETRPHGRNNENFPYNR | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 10812 | DWICEVLSDFKTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 10812 | DWICEVLSDFKTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151672 | KLYTLVLTPDAPSRK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149132 | YLENATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119516 | RKLAHPGTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 100586 | TYGAAPARISVPYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115931 | QTPVVVPPFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.009 | -0.01 | t | 89623 | TNNPENPITE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.002 | t | 51390 | QLKLDWFKKGSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.033 | t | 117695 | YITTIAGVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.01 | t | 153464 | SMHTFQRSPGLT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 139324 | TRLIDERA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 64534 | TKDASIDY HE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.001 | 0 | t | 32691 | KPEENK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 20179 | GHRMAW DMM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.019 | -0.01 | -0.016 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 105137 | DLQN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.017 | -0.02 | t | 158738 | EIVDLDPKL KQINLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.038 | 0.031 | 0.03 | t | 87178 | NYTYDSNY TP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104461 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.059 | -0.057 | -0.051 | t | 112352 | TGNKYPGY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 21469 | GNLLLSCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 21469 | GNLLLSCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 3656 | APMSTPS ATSVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 3656 | APMSTPS ATSVR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.021 | 0.022 | t | 7778 | DDGDKGS DVESYSSM PPLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.001 | 0 | t | 48377 | PLKDNRI SYGVLSV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 51896 | QPQLPFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0 | t | 69124 | VITGSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 32108 | KLQKTYSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.001 | 0.001 | 0 | t | 98736 | DNRAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 66658 | TTIPPSSP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.012 | t | 43176 | NAINPRLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.01 | -0.003 | 0.002 | t | 23398 | GYLEQLLR LKQYKVPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.019 | -0.017 | -0.018 | t | 41810 | MKDTLRIT YL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.004 | -0.01 | t | 159002 | MACAHL KEADIKTA LEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115206 | DIGSESTE DQAMED KQMEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110581 | GAKGSAG APGIAGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115920 | QNQEPI RCE | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135060 | KKDVVNS QNKTDKT E | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138240 | SQPEFLEQ KRAELDTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138240 | SQPEFLEQ KRAELDTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149077 | NATQERY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123832 | VSHVDFM LY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131083 | SQTTANPS CPEAT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111084 | AAPDDVLP NPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78107 | ATYQSEYL AHRRIPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 90912 | YPVLVNFN SN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66976 | TVDNPAST TNKDKLFA VWK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39372 | LSGKPAIIP DREVLYQA FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44474 | NKDKLFAV WK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52878 | QYDEMEE CSQAAPYI EQAQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47185 | PDREVLYQ EFDEMEEC GSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47191 | PDREVLRY EFDEMEEC AAHI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39372 | LSGKPAIIP DREVLVQA FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44474 | NKDKLFAV WK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45699 | NRLIAFAS RGNHVAP THYVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11967 | EFDEMEEC ASHLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7396 | CYKKVWR DHAGTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7394 | CYKKVWA DHRGTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1261 | AFASRGN HVAPTHY VVESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1261 | AFASRGN HVAPTHY VVESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7396 | CYKKVWR DHAGTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 147225 | QLQPFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115329 | KTVYQHQ KAMKPWI QPKTKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79305 | MCEYSHW SGFAFCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.027 | -0.03 | t | 134198 | PVGPAPG MRPPMG G | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.021 | -0.007 | -0.008 | t | 20519 | GKATVLLG MVLSLMA LVVVW | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.029 | -0.02 | -0.019 | t | 124998 | CLQMNNK DMVAIKH LLSE | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.009 | -0.009 | t | 29938 | KARRSEGR SWAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.045 | 0.043 | 0.041 | t | 105164 | EFRHDSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.043 | -0.04 | t | 143962 | KIWKAPH VAKYFDD Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 119464 | HPMLPNY KNFKGTIQ ELGQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.011 | -0.01 | t | 7771 | DDFHTDE DKLDTNSV YEPYY | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.077 | -0.071 | -0.07 | t | 1165 | AESPKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.011 | 0.017 | 0.011 | t | 125524 | PSTQTLKLI ETHLRTIPS HA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.009 | t | 32070 | KLPDDFM GCVLAWN TRN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.013 | 0.011 | 0.01 | t | 65474 | TNVDQDL VGWPAPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.02 | t | 43159 | NAGVLTCS LSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 129293 | LPPARGTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 119596 | IHIPSEKIW RPDLVLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 119596 | IHIPSEKIW RPDLVLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 107501 | LDGKEYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156980 | YTLGHFHG QPQL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156980 | YTLGHFHG QPQL | Gallus gallus |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132939 | WGSNPPS ATAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121673 | NVKKLCVA KPLVDSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114903 | NGTLTSLH FG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115700 | CEKDERFF SD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 52157 | QQTFPQP QQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39378 | LSGKPATIP DREVLYQE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47188 | PDREVLYQ QFDEEMEE CSKHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 52157 | QQTFPQP QQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158592 | GPVNMNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 128051 | LLSYEASVP SVPISTHG RLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 128099 | SEGWPAI DGSFLAAV GNLIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115728 | EPFTESQS LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114280 | CKWSVAH LC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105896 | KFTQFAGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79592 | KSFNSPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47190 | PDREVLYR EFDEMEA CAPHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 141608 | CCAIRGSF YDLEDIIK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.03 | t | 141608 | CCAIRGSF YDLEDIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115979 | SPAQILQ WQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115402 | NNQFLPYP YYAKPAAV RSPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 106991 | WASDLM HRLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 114790 | EGKDVLC NK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.022 | 0.02 | 0.02 | t | 120168 | RGWKHSV TYSGGPDT PY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.001 | t | 115127 | WTQSLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.003 | 0 | t | 147559 | CTVRGLG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.006 | -0.003 | t | 55787 | RRYTARLK EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.027 | -0.028 | t | 71637 | VVDLPQLG PR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79361 | RCQALSRL FREKCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 130452 | CGVKSLLT SMYCAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.04 | t | 132848 | KKEDFDIY DEDENQS PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.001 | -0.001 | t | 144125 | WPSVNSA LLRSPIQRK NA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 51906 | QPQPFPP QLP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 51906 | QPQPFPP QLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.007 | 0.001 | t | 108131 | SKDWSFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.041 | 0.041 | 0.04 | t | 58294 | SGVLTTSM GNTITC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.003 | 0.009 | t | 130864 | GPKGQAG EPGIAGFK GDQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 123486 | MDLRMGF VR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.033 | 0.041 | 0.04 | t | 54747 | RLRSSVPG VRLQDSV DFSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.008 | t | 58859 | SKIYQDAA GAAGGMP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.008 | t | 140620 | YSLYQALT A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.056 | 0.058 | t | 107892 | HSASQDG QDTIRGHP GSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.013 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.013 | t | 111050 | VGPLDIVP EVADPGG PTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102309 | ANQTEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149514 | VPQLQLQ NPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.03 | 0.021 | 0.02 | t | 65853 | TQGLASL | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.029 | 0.03 | t | 56123 | RTLTKYEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7001 | CSGFVSL APGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 116685 | CPAGWISL WKGFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.023 | t | 133371 | SPSPTPT GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.012 | t | 151672 | KLYTLVLT DAPSRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.067 | 0.07 | 0.07 | t | 53933 | RGPEQTQ GNFGDQD LIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.013 | -0.001 | 0.001 | t | 31920 | KLIPNASLI ENCTKAEL | Canis familiari s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 151022 | LCKLRGVA PLHLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 103751 | YNANGSG AGVTQFL N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78054 | VAETTNV QGWWCLF QITHGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 40195 | LTTDHSTT VING | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140589 | PYHELEQV P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144099 | TLQQNMPL LALVW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140589 | PYHELEQV P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 158584 | APPHQMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121679 | NVQVLCV ASPLVDVF | Mus musculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121679 | NVQVLCV ASPLVDVF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118432 | ISIGYHYPP ICLGRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109713 | PPSRDEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111851 | TSHPIEEIP LDTFVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115807 | KEMPFPKY PV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 111088 | ACQKHTP PAPKEDDP LKKYT | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 82528 | GAATPYSG EDSPFDM TLGEE | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78858 | TNEAFYAD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42284 | MPIRRKRK NIRTIIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59619 | SLYPGHLS GHRMAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47182 | PDREVLYQ DFDEMEE CASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55266 | RPPRFQLS S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30477 | KEKMLLNE EEITTKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 16958 | FLVNAWK SKKNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4498 | ASKAALIEE GQRMAE MLKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 139565 | PEWKALT DMPQMR ME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 98975 | QVEKLIKN QKESHFV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 157762 | PQNFAVV KRARD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 158590 | FHLPWM Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 106568 | KLPPIDVN MDCK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 96808 | QVKSQTIF DN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0.001 | t | 119465 | HRKSTVAG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.026 | -0.016 | -0.01 | t | 142288 | SEASRKGL RRDLASR EAKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.02 | 0.018 | t | 49000 | PQGGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.019 | 0.03 | 0.03 | 0.03 | t | 125610 | YYVFEEQ EDEIIGFG QELK | Cricetulu s migrator ius |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.011 | -0.02 | -0.019 | t | 7214 | CTTAVPW N | Macaca |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.02 | 0.011 | 0.01 | t | 21919 | GQNCGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.007 | 0.009 | t | 151679 | LAALTRTP VVSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.022 | 0.02 | 0.021 | t | 120346 | YQVLNKW TLGQVTC DL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.022 | 0.02 | 0.021 | t | 120346 | YQVLNKW TLGQVTC DL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.021 | t | 120346 | YQVLNKW TLGQVTC DL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 79123 | YEVNRVSG VYHTND CS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 110468 | YYVLHLCL AATKYPLL KLLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.01 | -0.011 | t | 110949 | NAEKVLEK LGYA | Macaca |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 19912 | GGLLGEKT RN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.05 | 0.037 | 0.03 | t | 141673 | IDEYCVQQ LK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 14099 | ERYLGYLE QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.017 | 0.013 | t | 103477 | PGSGFWS FGSEDGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.033 | 0.037 | 0.029 | t | 124703 | SDDNYDK TEDVDIEE MALKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.018 | 0 | 0.004 | t | 59972 | SPAFTKGE KVDLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.007 | 0.001 | t | 122295 | DDVWLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.041 | 0.037 | 0.037 | t | 114961 | TDGVTYD NEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.032 | 0.045 | 0.04 | 0.041 | t | 125063 | GDRAYVE NELVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 63525 | TESGLIIGK RVQGEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 39395 | LSGRPAIIP DREVLRYE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 39395 | LSGRPAIIP DREVLRYE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.001 | 0 | t | 135732 | PCLNGGSC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.011 | -0.01 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.023 | 0.02 | t | 95472 | IPTPPTDP VYQDLPTP PSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 105340 | MPRCRHG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.016 | 0 | -0.003 | t | 66894 | TTVNAHQI LPKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43247 | NANPNAN PNANPNA NPNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 136474 | LLDTSNLEL PEAVVFQ DSVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 122108 | GVGVELE NSMGGLN F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156872 | FSKSSSWE SWLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29937 | KARRPEGR TWAQPGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.02 | -0.02 | -0.022 | t | 136727 | VNWNSW HKTNLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103141 | EKVAKEAA DEAKAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79603 | LLTTDEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 13902 | EQPYIEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149102 | SGPNATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137738 | DTELTQQA LKLK | Mus musculu s |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107019 | YLTDESHL HWFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94480 | CSICSNNP TCWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47187 | PDREVLYQ GFDEMEE CASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153410 | LIPFHKHP HHRG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 153410 | LIPFHKHP HHRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132925 | WGANSPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99392 | KPDKKNP QLQLDLM M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 102721 | PNKPTPPT YETEKPLEP APV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103038 | ALMSGNF SNGILWR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 77781 | GLVGRPKS KL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 55390 | RQAEVIAP A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156950 | RGPMFF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115133 | YRLRGKLR AEIENLHR TFDP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79511 | AIWSTRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 116002 | TQSLVYPF PG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 107566 | PQVKFNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 135566 | KCSRLYTA CVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 157443 | KAKDAEKK KAKTD | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.011 | -0.011 | -0.01 | t | 9472 | DNIDSPNA PWVFAC | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.02 | 0.023 | 0.02 | t | 46500 | NVTSIHSL DEGKQSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | 0 | t | 106513 | HKARLERP QI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | -0.003 | 0 | t | 74056 | YGMEIRPL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | -0.007 | 0 | -0.001 | t | 123880 | YRVNLKFL PNETTSN | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 108302 | CNFASRN DYSYWLST PEPMP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.028 | -0.031 | -0.032 | t | 28337 | IRMARPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 151041 | PFQNIHPIT IGKCPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.001 | 0.013 | 0.02 | t | 104581 | NKISEASR KGLRRDL ASRE | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.049 | t | 117520 | GSFSDADL AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.02 | -0.031 | -0.031 | t | 41290 | MDWNM HAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.009 | t | 153267 | IWENAGR MV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.012 | 0 | 0.001 | t | 78362 | DNEEPIAP YHFDLSGH AFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156851 | AQMIIRLS SPGN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.065 | -0.066 | -0.063 | t | 115910 | PYPYYAKP AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 44570 | NKPNWD GYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 44570 | NKPNWD GYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 153358 | AHPPWPL QYVFRGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.019 | -0.021 | t | 135736 | PRIGGQRE LKKITE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.004 | 0.001 | t | 135660 | ECPEGYIL DDGFICTD IDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.001 | 0.002 | t | 9951 | DRASLST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.011 | 0.009 | 0.009 | t | 50627 | QEKISFGK SSQCREAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 44232 | NIGGEGN HNESPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94442 | CCHPACG | Capra hircus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94442 | CCHPACG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.051 | 0.051 | t | 23986 | HHFSSDPR PDLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 76584 | YYQSGLSI VMPVGG QSSFYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56895 | SAMILAAY HPQQFIYA GSLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.032 | -0.019 | -0.018 | t | 6246 | CFNPAHTL TLSQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.021 | 0.022 | t | 52389 | QSNQRSA PRITFGGP TDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 127715 | KQDPPSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 103262 | HVIAGQAS PSRIDGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141879 | EKSKKEIED QKNTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 98977 | RCLQSCQ QEPDDLK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111150 | CKEGKKSP C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79031 | NSNGCVYS ESFGLGGI GVLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148557 | DDSKLPIV KVEDKSKL QD | Canis lupus |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148559 | DDSKLPVI KVEDKSKL QD | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107537 | PAPIEKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117363 | RPDAEYW NSQKDLLE QKRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70670 | VQWMNR LIAFASRG NHVAPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79447 | VCEHPENK APPCCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46990 | PAVIPDRE VLYQAFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47183 | PDREVLQ EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47123 | PDKEVLYE AFDEMEE CASRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47179 | PDRELLYR EFDEMEEC PSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39378 | LSGKPATIP DREVLQ FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 58314 | SGYCAWP ACYCYGLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50100 | PYIEQAQV IAHQFKEK VLGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47126 | PDKEVLQ QYDEMEE CSQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47192 | PDREVLQ EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11967 | EFDEMEEC ASHLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3507 | APDKEILYE AFDEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6374 | CHARKAV AHINS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3507 | APDKEILYE AFDEM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 138083 | VYPSKTQP LQHNNLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115601 | DPFYWVS PGVLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 102247 | YNNPGLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115601 | DPFYWVS PGVLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78314 | WQIDYAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.012 | t | 51922 | QPQQPFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | -0.008 | 0 | 0 | t | 110957 | PAAVTLAE ADRT | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58041 | SGFVGLFS PGPSQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 149519 | VRVPVPQL QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.03 | -0.03 | t | 108300 | CKYWWSK C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.019 | 0.02 | t | 141566 | SSIVIPAAV GIKLNVT DA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 41057 | MAKNEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.033 | -0.033 | -0.039 | t | 132143 | AGPCILLA RDRCPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 114132 | KSHGRTQ DENPVVH F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | -0.001 | t | 116111 | KGQGQKA KMRCIPEK GH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.007 | -0.008 | t | 8930 | DKLKQQR DTLSTQKE T | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.03 | t | 64085 | THTMIFDN AFNCTFEYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.035 | 0.039 | 0.041 | t | 116468 | RPQDENP VVH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.03 | t | 20906 | GLIAGAVG GSLLAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.039 | 0.04 | t | 134166 | MPKFYCD YCDTYLTH DS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.027 | -0.039 | -0.043 | t | 4427 | ASGLVSMF SV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 55396 | RQAIKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | 0 | t | 49764 | PTRTIGGS QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.019 | -0.022 | t | 103371 | LPADTAA QLTSAGRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.017 | -0.02 | -0.02 | t | 141070 | PSLRDIFA W | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 119573 | EWEDTYGI VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.021 | 0.019 | t | 151948 | KLGKAEVD GNLV | Sus crofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.008 | t | 17690 | FSDIPNPIG SENSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.03 | t | 128073 | PKKSAKKT PKKAKKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.03 | t | 128073 | PKKSAKKT PKKAKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.01 | t | 10040 | DRRCQSQ LER | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.051 | 0.05 | t | 149474 | SQVLQEST YQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94617 | NPACG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.031 | 0.03 | t | 118139 | SIPWKS LTLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 138892 | REQAPNL VY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0.001 | 0 | 0 | t | 111856 | TTHYGSLP QK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 111856 | TTHYGSLP QK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149298 | ELDKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 51391 | QLKLNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.014 | -0.007 | -0.01 | t | 12440 | EIEMLRN KIYFMQ | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 48617 | PNDPNRN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 19210 | GEASGLCC RWSLRVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.032 | 0.03 | 0.03 | t | 107307 | DAEFGHD SGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.003 | 0.009 | t | 119655 | TTEAVVAD KPEKEKA | Rattus norvegic us |

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|---|------|---|---|------|-------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.011 | 0.012 | t | 66107 | TRTIGGSQ AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 71284 | VTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 73327 | YAAQNRR GLDLLFWE QGGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 66933 | TVAEEHVE EPTVAEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 66933 | TVAEEHVE EPTVAEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 38345 | LNTEPSQL PPTAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 38482 | LPFNWTH CFDPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.021 | t | 105835 | GLKGEQG EPGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140872 | KGVDAGK LGTVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 136363 | IDPLMFKY WSNM | Gallus gallus |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142282 | RRDLASR EAKKQLEA EQQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142282 | RRDLASR EAKKQLEA EQQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.01 | 0.01 | 0.01 | t | 136363 | IDPLMFKY WSNM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149061 | INPTQTT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121672 | NVKHLSVA YPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121672 | NVKHLSVA YPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 39380 | LSGKPATV PDREVLYQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144667 | GREGYP A DGGKIWT SETN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156938 | PPEKIHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 118763 | CYGSFARP MN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 118763 | CYGSFARP MN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 118763 | CYGSFARP MN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115437 | QKALNEIN QFYQKFP QYLQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115313 | KIIAEKTKIP AVFKIDAL NE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111170 | CSPLTHAIC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 71323 | VTGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78164 | GERLIV | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47544 | PFPQPQQ PFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47544 | PFPQPQQ PFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 36425 | LHSTSPEG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.003 | 0.007 | 0.01 | t | 105942 | LSADQIST VQASFDK VKGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 54401 | RKPARL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.014 | -0.01 | -0.01 | t | 93874 | SFDADTIRI AQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | -0.003 | 0.002 | t | 30198 | KDLKGYG GVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.01 | t | 139761 | GLGGTAQ | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.015 | 0.02 | 0.02 | t | 24596 | HQNITNIN SDSQGRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.05 | t | 139632 | VKPLPSPD TD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 52000 | QQACKGKI QALCENP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.065 | 0.07 | 0.057 | 0.06 | t | 10990 | EAAKQGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1186 | AETHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.013 | 0.01 | 0.01 | t | 141046 | KEVTVVTT S | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.051 | -0.06 | t | 119522 | RSLKTKLPS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.001 | 0.001 | t | 48554 | PMGTQTH TMIFDNAF NC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.012 | 0.011 | 0.01 | t | 24362 | HNASGKE AKVCTISPI MGYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 42694 | MSTNPKP QRKTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4021 | AQPGYPW P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 20420 | GIREVWP AG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115382 | MHIRLSFN PTQLEEQC HI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.002 | 0 | 0 | t | 65205 | TMGIYFAT PEWVALN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0.007 | 0.004 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | -0.003 | t | 119573 | EWEDTYGI VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136088 | VPPTPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69175 | VKAETRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47013 | PAYYTKDT NNNLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47013 | PAYYTKDT NNNLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.013 | -0.012 | t | 21683 | GPLDRAFS WRLNPRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.007 | 0.012 | t | 47450 | PEVFGKEK VN | Homo sapiens |

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|---|------|---|---|------|-------|-------|-------|------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 150996 | HPSTSADQ QSLYQNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99036 | VEELKPTP EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115173 | AEKTKIPA VFKIDALN ENKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99136 | DDDTFT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.063 | 0.063 | 0.063 | 0.06 | t | 53859 | RGETPGQL LPEIMQ | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140857 | GKLGTVSY GEEK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134051 | FPFSGETV FMSMENP GLWIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104472 | ELLEKTVK DKIAKEQE NKET | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 90527 | VWDEWS PVSTAVA MGTRSRK | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71533 | VTTSTPGS GGSVASG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39396 | LSGRPAIV PDRELLYQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46972 | PATIPDRE VLYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50099 | PYIEQAQV IAHQFKEKI LGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39381 | LSGKPAVI PDRELLYR EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39398 | LSGRPAIV PDREVLVYQ EFDE | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39917 | LTGKPAVI PDREILYQ QFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46833 | PAIVPDKE VLYQQYDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47120 | PDKEILYEA FDEMEEC ASKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39399 | LSGRPAIV PDREVLRY EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39401 | LSGRPAVI PDREVLRY EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22077 | GRIILSGKP ATIPDREA VLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22087 | GRIILSGRP AIIPDREVL YR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22086 | GRIILSGRP AIIPDREVL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22088 | GRIILSGRP AIVPDRELL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22081 | GRIILSGKP AVIPDREV LYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22089 | GRIILSGRP AVIPDREV LYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22080 | GRIILSGKP AVIPDRELL YR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22090 | GRIILSGRP AVIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32370 | KMNMHLE NVPWIMN KQNLFK | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25308 | IAHQFKEKI LGLLQRAT QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149427 | QLPQFEEI RN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149427 | QLPQFEEI RN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149390 | NIYPHGIT DVRPLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 148886 | QQSFPLQP QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79360 | RCPYYTRH PSMRCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 96235 | EKDKGLQT SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 95835 | SGPSNIPP EI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 18442 | FYPELFRQ FY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.007 | -0.008 | t | 67191 | TVVAPDKE VLYEAFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.043 | 0.039 | 0.04 | t | 68092 | VDVVTGA T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.03 | 0.03 | t | 98237 | LTAYQTEL AR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.019 | 0.022 | t | 40938 | LYRPSDSSL AGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.023 | -0.022 | t | 50752 | QFEEQQR FRNCQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 47679 | PGIKADSL DIDIERNV VTVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 127984 | FTNLKFKV RKITSSHR GN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 34243 | KVVQLPKI SKNALKAN G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.03 | 0.03 | 0.03 | t | 123240 | GLDLPNLP Y | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | -0.003 | 0.003 | t | 69942 | VMENFVA F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.046 | -0.043 | -0.04 | t | 102271 | YYNSLGFN IK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.001 | t | 23068 | GVNLEDP ASRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.02 | -0.019 | t | 122896 | RWNPADY GGIK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.049 | -0.043 | -0.042 | t | 106118 | SPRGQHG RRERAGQ E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 129293 | LPPARGTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.009 | t | 41012 | MACMSA DLEVVTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.013 | 0.01 | t | 10080 | DSAVAEFF QSFPSGEP SNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 118374 | GKALCWV CAQSRKH RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 68873 | VHNLQKR MQQLEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 54078 | RHPHPHLS FM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 38982 | LQSARRGE | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | -0.003 | -0.001 | t | 30243 | KDSKSRGA T | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.02 | t | 159166 | TRLEHQM WESVRDE LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.037 | -0.01 | -0.01 | -0.01 | t | 113592 | KWGS LGV FFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.03 | t | 22837 | GTSNGSN PST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.047 | -0.06 | -0.065 | t | 137941 | PFRSYTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.048 | -0.04 | -0.039 | t | 125454 | KDYKTMV KFCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 113095 | MSSSPVKR QRMESAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0.001 | t | 107434 | GVQVHNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 117909 | HKGFKGV D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115466 | RELEELNV PGEIVESLS SSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123167 | FGAGDAP PS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 99250 | FNAEFNEI RRVLEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111149 | CIPASGQT C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 73659 | YEGFSTGV TQKAKGIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95545 | LDTDYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79313 | NCGSRTQ YCKSRCT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 22079 | GRIILSGKP ATVPDREV LYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 6075 | CCRHKQK DVGPVKQ TLPPS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 7920 | DECHAQD ATSILGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132062 | SKDERRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131818 | AKEERRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132042 | RFEQPRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103532 | QSSFYSD WYSPACG K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110591 | GDPGRPG EPGLPGAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 75875 | YSREQLNK LFGIEVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79360 | RCPYYTRH PSMRCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39914 | LTGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79475 | YDWLMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.029 | 0.03 | t | 31320 | KILGCDWY FVPTDEG WTND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132937 | WGSNNQ N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.049 | -0.053 | -0.052 | t | 44083 | NGTLTSLH FGKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.029 | 0.03 | t | 149516 | VPVPQLQL QN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.002 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.003 | -0.002 | t | 53859 | RGETPGQL LPEIMQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.002 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.002 | t | 19737 | GGGAGAG GAGAGGG GR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.002 | t | 1477 | AGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.055 | -0.076 | -0.069 | -0.07 | t | 60642 | SREAKKQV EKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.037 | -0.031 | -0.03 | t | 3900 | APVTVTRF VNAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.025 | -0.031 | -0.03 | t | 58041 | SGFVGLFS PGPSQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.053 | -0.05 | -0.05 | t | 97616 | RPFTGLLV N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.053 | -0.05 | -0.05 | t | 97616 | RPFTGLLV N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.049 | 0.039 | 0.039 | t | 28733 | ISSTNEI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 66238 | TSGTSGPS GTSPSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94453 | CCNPACG R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94453 | CCNPACG R | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 94453 | CCNPACGR | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 106710 | PKHCGIVDSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.014 | 0.01 | 0.011 | t | 68811 | VGVAPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137418 | HHILPPKALLFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 47620 | PGATARA PAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136075 | PGSSYP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24917 | HTHADGE VH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | 0.003 | 0.003 | t | 106398 | EQLAEVAVSAKR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.011 | 0.012 | t | 39918 | LTGKPAVIPDREVLYQEFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.04 | -0.04 | -0.038 | t | 105 | AAEFTINKPK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 117110 | WNTDFSTRAAHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 108269 | AKYSNQR AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115955 | SGEPTSTPTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141021 | GHKEVTVT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151034 | NERTLDYHDSNVKNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117386 | TRPINTAQCGDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115395 | NLCSTFCKEVVRNANEEEYS | Homo sapiens |

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|---|------|---|---|------|------|------|------|------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115184 | APLRVYVE ELKPTPEG DLEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 77910 | HTSPTGLR FQVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140583 | PWDKFBVH EQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149786 | KVTAQTTD DRKQTGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140583 | PWDKFBVH EQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117629 | RGRGMGR GNIFQKRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131080 | SQTTANPS APEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98798 | GGFGPGG FGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115251 | FLLYQEPV LGPVRGPF PIIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99241 | FEDFFPAS SRDQSSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111140 | CAEPNNLL C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60677 | SRGNHVS PAHYVPES DAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70672 | VQWMNR LIAFASRG NHVSPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63384 | TEGRTAN AFASLLSP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46970 | PATIPDRE ALYREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45701 | NRLIAFAS RGNHVSP AHYVP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42683 | MSTNPKP QKKNKRNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48736 | PPAAGPP AAGPPAA GPRILA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1262 | AFASRGN HVSPAHYV PESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1262 | AFASRGN HVSPAHYV PESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103180 | FPSFAGLR PTFDTRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.04 | -0.04 | t | 100586 | TYGAAPAR ISVPYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 100331 | NGRFVFTD IT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.005 | -0.01 | -0.012 | t | 35060 | LCKDKKAD SGYCYWV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.046 | -0.043 | -0.039 | t | 27553 | IMSALAM VYLGAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.04 | 0.04 | t | 136407 | KAASGSTG DQKVQISY YGPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | -0.003 | 0 | t | 5990 | CAISGGYP VC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.031 | t | 123838 | VWQDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.018 | t | 140935 | YGEEKPAV LGHDEAAY SKNR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.023 | t | 62830 | TAEGRAIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.028 | -0.03 | t | 54065 | RHLLCLLL LTVGG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | 0 | t | 18051 | FTPSPVVV GTTDRSGV PTYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | 0 | t | 18051 | FTPSPVVV GTTDRSGV PTYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.011 | -0.01 | t | 125462 | KLPLSLSFL HLTRADLS YPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.03 | t | 102860 | TPYTSLYT W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.018 | 0.01 | 0.01 | t | 41048 | MAHFPGF GQSLLYGY PVYVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | -0.001 | t | 118434 | ISKGANPV EIRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.043 | 0.05 | t | 135990 | SASVPALT AVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.037 | -0.04 | t | 135650 | DKVSFFCK NKEKCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.013 | t | 105700 | CPSTYEPP AQQGRRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.036 | -0.031 | -0.027 | t | 2040 | AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | -0.002 | t | 139227 | RGDLQVLT PK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 48927 | PPSSPTHDP PPSDP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.011 | t | 7210 | CTSSLTSIF TQGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 132794 | DRLYAQYP VPTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153357 | ACWYSTR DHCGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.029 | -0.03 | t | 149414 | PQLPYQP QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.045 | 0.036 | 0.029 | 0.03 | t | 63215 | TDPTGIEP DDHLKE | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.01 | 0.01 | t | 60592 | SQWGWC GSTDEYCS PDHNCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 136066 | IETDKTSV QV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.021 | t | 133664 | PPPPPPPP PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 10801 | DWEDRY RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 70317 | VPGSQHID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.015 | -0.019 | -0.02 | t | 75059 | YMIDSVL M | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 114900 | NAVVESN GTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79555 | GHQVSRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149046 | FQINPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115374 | LTDDIMCV KK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99119 | ATHAKSSP YQKKTEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 89403 | TFNGAYTP AN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 56956 | SAQSGPSG TSAPSGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 12136 | EGCKFSCFI RPAGFC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 24676 | HRGRAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.025 | 0.02 | 0.02 | t | 138456 | KEQFEFAL TAVAEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103550 | RIFYKDAF AKHQELF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112371 | TYYCARM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.011 | -0.01 | t | 10510 | DTVIYSKY GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.008 | -0.011 | t | 70816 | VRRRGDS RGSLLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.043 | -0.04 | t | 75409 | YPSGAWY YVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 69899 | VLYREFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156857 | DKSKKCEK NCAPMV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153282 | PLRNTHPQ AMQWNS TTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.029 | t | 22280 | GSAMSRPI IHFGSDYE DRYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.008 | -0.007 | -0.008 | t | 99675 | SNKGAIIGL MVGGVVI A | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.055 | 0.044 | 0.044 | t | 115612 | GSLPQKA QRPQDEN G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 11814 | EENVEENV EENV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.043 | 0.04 | 0.04 | t | 97428 | KPTGSAAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.027 | 0.03 | t | 51837 | QPGHLA | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.017 | -0.02 | -0.02 | t | 97157 | AAANYTTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.017 | -0.02 | -0.02 | t | 97157 | AAANYTTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 20051 | GGTHSQW NKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58405 | SHRLLQTY WSSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.013 | -0.02 | t | 138225 | QH NKSPN LYWRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.011 | t | 51286 | QLAKDKV NE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.019 | t | 99008 | SMPVNTP GQFEDFFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 56061 | RTGLDFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.011 | -0.01 | t | 135739 | QFCKNSA D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 118284 | DAYVLLSE KKISS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | -0.002 | t | 120519 | FAGRLIELS QEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.069 | -0.058 | -0.06 | t | 36319 | LGSINQA MVTRCEP VVCYLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.03 | 0.03 | t | 98927 | PEKESPEK ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.008 | 0.011 | 0.011 | t | 40165 | LTSELPQW LSANRAVK PTGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 148885 | QQSEQIIP QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 148854 | QQQFPEQ SQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 124280 | HPLASSVS A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132934 | WGQNTS M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147217 | QGFFQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118490 | LKDKYKNI GAKLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118490 | LKDKYKNI GAKLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131078 | SQTTANAS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108557 | NLFTQTGT P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113750 | QGQQGQ QPGQGQP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57704 | SEYPPQPS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50476 | QDIQPAIQ SSWPKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50913 | QGMQLAE QFKQKAL GLLQQA | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49297 | PSAPPLPH VVDLPQLG PRR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39381 | LSGKPAVI PDRELLYR EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46833 | PAIVPDKE VLYQQYDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39383 | LSGKPAVI PDREVLQY GFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32371 | KMNMHM ENVAWIM KNQNLFK | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34752 | LAEQFKQK ALGLLQTA TRQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32370 | KMNMHLE NVPWIMN KQNLFK | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 120691 | KLATNLIKS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103007 | AAQAVQT AAQNGVR A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 66213 | TSGFASLF KFGPSQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79888 | KPYEVTPT RMLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79888 | KPYEVTPT RMLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 79888 | KPYEVTPT RMLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 9979 | DRGWGN GC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | -0.001 | t | 131114 | TQLDELLT EHRMTW DPAQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7000 | CSGFVGLF SPGPSQRI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.012 | t | 118131 | SEESDDD MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.039 | 0.041 | 0.04 | t | 32273 | KLYTSVEN AQQDKGI AIPHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.039 | 0.041 | 0.04 | t | 32273 | KLYTSVEN AQQDKGI AIPHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 135647 | DAKPGQF P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.049 | -0.043 | -0.04 | t | 105700 | CPSTYEPP AQQGRRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.063 | 0.07 | 0.07 | t | 119432 | AREETDKE EPASKQQK TENG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | 0 | -0.007 | -0.01 | t | 42656 | MSRTFLM KAHGIES W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.035 | 0.033 | 0.03 | t | 122145 | LTLFPSRDT PLSSQTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.026 | 0.023 | t | 115832 | KTGQFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.02 | 0.019 | t | 118285 | DAYVLLSE KKISSIQSIV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 9935 | DRAAGQP AGDRAAG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 9935 | DRAAGQP AGDRAAG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.001 | 0 | t | 58273 | SGTVQSA HLIIRFDE | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.045 | -0.047 | -0.05 | t | 652 | ADDVILHT PGCVPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151021 | LCKLRGVA PLHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.034 | 0.038 | t | 50011 | PVVVHITD DNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107428 | GRGDSVV YGLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59024 | SLAYGLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 53073 | RAAVCTR GVAKAVD FIPVEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.033 | -0.027 | -0.03 | t | 44571 | NKPPNKP NNDFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.012 | t | 137824 | DQAVSLG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135914 | EEIAQVATI SAN | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135681 | GKNCELDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135633 | ADNKVVCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 12537 | EINTLQNNQ | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141575 | WKAQKRFMKKSG | Rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137748 | DTQLTLEALKLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123280 | GYWKIRGLQ | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115992 | TEDELQDKIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108215 | WVAMHPQGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103716 | VRERMTTQDVEAITP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 89783 | TVEVEMTASTAVWDEWSP | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 41331 | MEECASRAALLEEGQRIEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158596 | KFGTALW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 152777 | LLNIDKDIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99975 | EEKELLKRIQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99975 | EEKELLKRIQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 93679 | READFAKEVP | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79566 | HGLHLPV | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 91002 | YTPANYAN VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 92810 | GGKGNDL LHG | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 57704 | SEYPPQPS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 30478 | KEKMVLK DGANTQV V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 118449 | KFGADAR ALMLQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.014 | -0.01 | -0.008 | t | 13438 | ENANANN AV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.031 | 0.031 | 0.031 | t | 20069 | GGVFTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 119382 | VISCAKDAI EDEEGSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.011 | 0.007 | 0.01 | t | 99484 | NALRRPFY SNAPQEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.011 | 0.01 | t | 8218 | DEYDDAA DAAGDRA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.03 | -0.026 | -0.03 | t | 72515 | WGRRLMI GTAAAVVL PGLVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.031 | t | 131652 | SFDSSNPE YFDGYWG YS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 101554 | DPLAQQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.016 | 0.02 | t | 75152 | YNGEEYLIL SARDVL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.009 | 0.01 | t | 147995 | NFGDIGV QQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22220 | GRTWAQP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.012 | t | 118281 | CPLNIGSQ GSTDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 50931 | QGP GAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.043 | 0.04 | t | 55174 | RPIDDFDQ GWGPITY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.043 | 0.04 | t | 55174 | RPIDDFDQ GWGPITY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 55255 | RPPKWVS AQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.013 | -0.01 | t | 102265 | YSCGENSF MD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.001 | 0.001 | t | 40167 | LTSGHLKC RVKMEKL QLKGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 60116 | SPLLGCIGS TCAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.02 | t | 78500 | RASLSTW HVLSPNV SVPSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.02 | t | 6355 | CGSVFLVG QLFTFSPR RHWT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.009 | 0.01 | 0.01 | t | 45667 | NRDQGRK PTPPTPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144677 | GTHPTLVV HSREL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144677 | GTHPTLVV HSREL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144677 | GTHPTLVV HSREL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0.001 | 0 | t | 65635 | TPLFKIIGD EVGLRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.005 | -0.001 | 0 | t | 67297 | TWSGKFP T | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.033 | -0.04 | t | 134783 | RKLQKSTH LLIRKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 20656 | GKPALVPD K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.02 | t | 83234 | HSKEIPALT AVETGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 27698 | INNLNKLN EEKAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.011 | -0.01 | t | 3562 | APGEKDG KIVPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | -0.026 | -0.02 | -0.022 | t | 19266 | GEFPRHVK LKNEIENLL DQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.02 | t | 52121 | QQQPFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | 0.001 | t | 66766 | TTPGPWF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.01 | t | 32826 | KPPKYHPD VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 99945 | DIRDSLSEE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 157158 | DDQCQRQ LQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105836 | GLRPGEG AY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123182 | FLGDRQYL I | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123076 | DFMLYETL D | Ovis aries |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121684 | NVTCLMV ALPLVDSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121684 | NVTCLMV ALPLVDSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 119857 | FAQRLMR YWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110583 | GAPGERG PSGLAGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70397 | VPNLRGD RQVLAQK VARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51939 | QPQQTFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51939 | QPQQTFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53336 | RDEVDFCV GLNSFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55306 | RPQQPFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55271 | RPPRYLSQ L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4451 | ASHLPYIE QGMHLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149315 | FLPQQPYP QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132936 | WGSNHA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115856 | LSQSKVLP VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78267 | RYPSYGLN YYQQKPV ALINN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 93947 | SRNVLVAP TS | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 10781 | DVVSKLPL AVMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.03 | 0.02 | 0.019 | 0.02 | t | 37831 | LLSTTQW QVLPC | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.038 | t | 118546 | PAGGAVA VSAAPGSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.021 | t | 67697 | VANNTRL WVYCGNG TPNELG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 99209 | ELFTNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 62997 | TASNKNR GIIKTFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149300 | ELDKWNS L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.04 | 0.04 | t | 66751 | TTPAQGTS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.038 | 0.037 | 0.04 | t | 62448 | SWGGDPC AQPHEPG SYTNV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.067 | 0.063 | t | 119908 | GNIGIDVE DEDSDEDE F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.026 | -0.021 | -0.02 | t | 26227 | IGFTLPIILK ALYM | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.053 | 0.05 | t | 58196 | SGPSGTSP GTSGPSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 135833 | CDGWML GECILV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 135833 | CDGWML GECILV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 149317 | FQPQQLP QFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 48001 | PITNDQKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 141073 | REGVRWR VMAIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.013 | t | 130585 | QKKIRGILE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.008 | t | 48351 | PLGVTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | 0.001 | -0.001 | t | 58366 | SHIECRKPY KELRLEVG KQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.011 | 0.01 | t | 16060 | FGSLGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 92761 | FTSSNDSR NV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149416 | PQQPISQ QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149101 | SFTRVVTD VYRPRLS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138210 | PAAPAPN DPNAAPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107687 | WYVDGV Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 101932 | NNGGCDA DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78228 | PHANMTH I | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 49106 | PQQQFPQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.01 | t | 9477 | DNIHVKM FKVIENND KSELI | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.01 | -0.01 | t | 141779 | WKQYNPT GKGIDDA NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149440 | QQQQQPL SQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149440 | QQQQQPL SQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123861 | YEEHLYGR N | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 124276 | HPLAPPHP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106883 | SWTPYPDL LSPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115281 | HPHLSFM AIPPKKNQ DKTEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79361 | RCQALSRL FREKCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 133538 | CNKPGERT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.008 | t | 102563 | KKRPPKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.017 | -0.02 | t | 61792 | STNPKPQR KTKRNTNR RPQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.021 | t | 104461 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118535 | NGNLQLR NKEVT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.037 | -0.037 | t | 115529 | TYNFAVLK LMGRGTK F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.01 | t | 63038 | TAVSPTTL RTEVVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 135842 | NTYGDFM VKSPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 135842 | NTYGDFM VKSPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 70683 | VQYRGEEK TFTPEEISS MVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 110974 | QDIVLHLE PQNEIPVD LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | 0.001 | t | 42487 | MRNVPEK QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.031 | 0.031 | t | 135799 | YGKDVKDL FDYAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.032 | t | 79239 | GRNAYCN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46054 | NTANPDW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.047 | 0.063 | 0.063 | t | 110388 | QSQTPEP ATPLSCCT ETQW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.008 | -0.019 | -0.021 | t | 24872 | HSVRGLTS LFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98765 | EPDDLKQK ACESRCT | Homo sapiens |

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|---|------|---|---|------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.034 | 0.039 | 0.04 | t | 68987 | VIIEQSWG SP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132979 | AFHYESQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 72889 | WNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24693 | HRMAWD MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25622 | IDLTNKNA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.02 | 0.033 | 0.042 | t | 128133 | TSEPLNSES EVTDGMIE VQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111559 | MPLVSQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115916 | QEQPIRCE KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141610 | CEEEKGPL DLMNEVL N | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 137165 | GDTRPRFL WQPKREC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134494 | QLYKTCKQ AGTCPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141948 | LKPREEYQ PS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 153827 | EQQYNKPL CDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 143362 | ETPLMKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 136685 | TLFTPKDS PAKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134988 | GPPGARG LTGRPGDA GPP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 150032 | VSDYYKNL INNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149729 | GTVTGHPT FNALLDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134987 | GPPGARG LTGRPGDA GPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135834 | CEFRDGA GSICG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 137165 | GDTRPRFL WQPKREC | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141681 | KAKEELLET LQIVAER | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136686 | TLHDMGIF SITSSDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136686 | TLHDMGIF SITSSDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141617 | DLEDIIKG NDLVHDE Y | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 145272 | KDLLPSRD RQHLPLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149782 | KQTGLDA KQQQILL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136612 | RRQKRF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 137298 | TELGRPDA EYWNSQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142050 | VDMRGDC WSIEY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 136635 | SIPTYTPDK VTY | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 146338 | IP EEIKQLQ QFQKEDA A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 145136 | DLLPSRDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139732 | ERETQKAK G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 156907 | KVGDPLW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 137298 | TELGRPDA EYWNSQK | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 139806 | LLSPVRRD QLFTFRQ VG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140761 | TYRVDVD GYRND | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 139730 | EQLAGNLR ENIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134058 | GDKVSFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 150108 | AGGTGTE DSHPYKQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135002 | HWDPFSL SAYFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 156900 | KLGDPRIA TTLF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141618 | DLMNEVL NKMDKKY SA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140080 | YEKEPTPP TRTPDQ | Rattus norvegic us |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 140845 | ELHEKVSS HPIFKQ | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 138083 | VYPSKTQP LQHNNLL | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135836 | DLFGNVLL GQRLDQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 144664 | GREGYP DGGGLPD SVKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142447 | NKYRGTA GNALMDG ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141928 | IRHQRSQT ECG | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135837 | DMYGD IRLTGLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141687 | KLQKKETE CEEKGPL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 136612 | RRQKRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142023 | SRKKKAAA AIEEEDI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 143214 | WDGQWD TLNW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 137869 | GGVSTGLI QDDWTFQ | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141779 | WKQYNPT GKGIDDA NK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 146421 | LKDRMNF DIPEEIKQL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140258 | KYEQGGNI VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 153815 | CYEQLNDS SEEDEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140258 | KYEQGGNI VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 138041 | SPLTVEWR ARSESAQS KM | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136303 | GARGLTG RPGDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138791 | MKGLRGH GGLQGMP GPNGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138791 | MKGLRGH GGLQGMP GPNGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 144364 | ITDAVITVP AYFND | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142545 | AVILNDNF VTKATAL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135839 | DYMGNIQ DFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138792 | MKGLRGH PGLQGMP GPNGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 144364 | ITDAVITVP AYFND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142022 | SRIFRGDN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 136162 | DAWKMR L SQMYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 137185 | HNYGVVE SFTVQRRV | Pan troglody tes |

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|---|------|---|---|---|--------|---|---|---|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 137185 | HNYGVVE SFTVQRRV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137768 | SHQESTKG KSKGKSGK SGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141971 | NKPVTDN PVTDL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135546 | DWEYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136303 | GARGLTG RPGDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134123 | KVSFFCKN KEKKCSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141663 | GRSLEGVY VPPRRQQ L | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147353 | VALRVVSR NPRGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135833 | CDGWML GECILV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141613 | DANKKAC CAIRGSFY D | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 136612 | RRQKRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141625 | DTKRARTD WWENETI T | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 153410 | LIPFHKHP HHRG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149764 | IQLPDPNQ FALPDRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 137185 | HNYGVVE SFTVQRRV | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141676 | IKKLENGR SLEGVYVP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 136648 | SPLNNFYK TQLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135845 | WTEIHDW EAAME | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151101 | AAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136315 | GGGTGPA DGTNATTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136315 | GGGTGPA DGTNATTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 143959 | KFPHLAVG F | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 136364 | IDPLMFKY WYNM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134987 | GPPGARG LTGRPGDA GPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 137165 | GDTRPRFL WQPKREC | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140479 | KHGLLSM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140479 | KHGLLSM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 134141 | LLMPPKYH PKEPYVTR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 139684 | AMRVMEP KPSPFAEA VCP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135847 | YPAIVETGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 137893 | HHNLLVGS VSGFYPG | Pan troglodytes |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141978 | PKGQTRTL GSNRERER I | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141896 | FRKRKNST SLQSHIPS DEQL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148557 | DDSKLPIV KVEDKSKL QD | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 139398 | YGCDVGP DGRLLRGH DQYAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 136647 | SNNADYK QSLLL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141660 | GMEKAKE ELLETLQIV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 136647 | SNNADYK QSLLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 136066 | IETDKTSV QV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 145150 | DSSTYQYIY NLT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 139203 | QIYKAQA QTDRESLR NLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 139305 | TAAQITQR KWEAARE AEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 136364 | IDPLMFKY WYNM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 138059 | TSQVEHPS VTSPLTV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 136364 | IDPLMFKY WYNM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135569 | KTNMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135569 | KTNMK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136749 | WMLRAAE EYSMNLG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136749 | WMLRAAE EYSMNLG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134867 | APVCVWE RLSPYRER CV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142576 | DGASYSW MYEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 150616 | TEDSHPPY KQTQPGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 144449 | QRDFDLA DALDDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136420 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 148058 | PDGGQPA VR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136420 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 136727 | VNWNSW HKTNLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142576 | DGASYSW MYEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 137829 | DWTFQTL VMLETVP R | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 156905 | KPGDPRQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148880 | QQQQQQ QQLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 141748 | SLLTEVETP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 137256 | PKRECHFF NGTERVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 135799 | YGKDVKDL FDYAQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 144538 | VVDAEVV DDDRESK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136419 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141704 | LQIVAERE AYYLWKQ Y | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 156977 | YGAPEITK DGYKVIKSI K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 141105 | WEISQASH YFERHLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 137108 | ARAAVDT YCRHNYG V | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141771 | VAEREAYY LWKQYNP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 137759 | NQEDAEAI THLF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153379 | EQEIFTNIT DRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142447 | NKYRGTA GNALMDG ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149980 | TLKIPSVHF GSPSGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134770 | QIFNLFSTK DSSAA | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 136087 | VETDKATV GF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 136647 | SNNADYK QSLLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141699 | LETQIVAE REAYYLW | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141689 | KMDKKYS AHKMKCT EV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 134702 | KEKKYS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141924 | IKKQIPRCK DAFNKIES | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141763 | TGKGIDDA NKKACCAI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134200 | PVVNSLDP PLLTRY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 144195 | AGGGSGS ADDVVDA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141789 | YNPTGKGI DDANKKAC | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 153818 | DSTLRLCV QSTHVDIR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122375 | GLINRAKA VKQFEESQ G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122293 | CTYVLDPE NLTLKAPY EA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|-----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 120108 | NFMESGE WVIKESRG W | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122375 | GLINRAKA VKQFEESQ G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123562 | NSSSSQFQ IHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119930 | HRWSSYM VHW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120849 | NSQPEILE RTRAELD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120197 | SEHETRLV ANLLENYN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119930 | HRWSSYM VHW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119856 | FAIVHMTK LLDYGTK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 123221 | GENHAKS KAVPYSE MYAN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 118550 | PEPAKSAP APKKGSKK AV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 117773 | CNSRQTD REDELI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 119845 | ESDQPDLS NFMESGE W | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119856 | FAIVHMTK LLLDYTGK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119856 | FAIVHMTK LLLDYTGK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125403 | ETTKLQRF QAML | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 131128 | VEMKKED FDIYDEDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120067 | LKWNPD YGGVKKIH I | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 123058 | CEDFTKKIE AFYRASPH AAR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130475 | EDSDARIL AAAVWYY SL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119962 | ISPESDRP DLSTFMES G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120247 | TPEDPTDP TDPQDPSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122377 | GLPRLETP ADLSTAIA SRS | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125492 | LSYPSHCC AFKNQKKI RGIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119930 | HRWSSYM VHW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 131576 | NSRQTDR EDELI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 132293 | FGFPEHLL VDFLQSLs | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 130438 | AFRGHIAR EEAKK | Papio |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119745 | AKLFKDYS SVVRPVED | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 117544 | KFRFLALKL YFSFTRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 117750 | APGMRPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 128766 | GPLTLELQI | Papio |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119856 | FAIVHMTK LLLDYTGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131087 | SSPPCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131087 | SSPPCE | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119857 | FAQRLMR YWA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119745 | AKLFKDYS SVVRPVED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117602 | PKVKSKKR EAVAGRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119979 | KAEFHRW SSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 127986 | FVGVGAD YRHASCPI DYIIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 118970 | PPPGRRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125386 | DVSQTSVT ALPSKGLE HLKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 130482 | EIYPWYP MAERS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 123221 | GENHAKS KAVPYSE MYAN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119992 | KLGTWTY DGSVVAIN P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 127919 | AFSLPDRS LSAIPFDV SFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 129776 | RLDRCLKA VRKERSKE SDDN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120849 | NSQPEILE RTRAELD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120184 | RRRATQLA HL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120249 | TPVLVWIY GG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120108 | NFMESGE WVIKESRG W | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125377 | DKDAFGG VYSGPSLL DVSQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125377 | DKDAFGG VYSGPSLL DVSQT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119411 | YKYFPEVK TKGMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125377 | DKDAFGG VYSGPSLL DVSQT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133590 | GMVDGW YG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125602 | WMSYPDR TLRTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119861 | FHRWSSY MVH | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119673 | WNPDDYG GVK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119979 | KAEFHRW SSY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119955 | IRLPSTDDV WLPDLVLY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131073 | SQATANPS CPEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119998 | KQQWVDY NLKWNPD DY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125375 | DHTLFAAS HNHR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 120067 | LKWNPD YGGVKKIH I | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 130485 | EVVTGSPR GDSQSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 131500 | KAKAQTD REDLRTLL R | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132350 | GPNICTTR GVSSC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | 0 | 0 | t | 125540 | QSLRQRKS VNALNSPL HQEY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119827 | EFHRWSSY MV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 117948 | KFVETPGQ KYKETDL | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 127944 | DLVNCNL NTNCVAV AFSLPD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119861 | FHRWSSY MVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 121010 | TPLIKNPD VK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119758 | ARVYAYVF EH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134015 | CDKNTGD YYEDSYED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 124008 | DGVVLVD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125605 | YKEKSKFQ DTHNNAH YYVFF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 125605 | YKEKSKFQ DTHNNAH YYVFF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118060 | PPPGMRP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120849 | NSQPEILE RTRAELD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119741 | AIFKSYGEII VTHFPFD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120270 | VFRFSFVP VV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119955 | IRLPSTDDV WLPDLVLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 122452 | KTTKQSF LSVKAQYK KNKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119955 | IRLPSTDDV WLPDLVLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119828 | EHHTHFV DITVGLQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 125327 | YRYDSRPP EDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125327 | YRYDSRPP EDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 125327 | YRYDSRPP EDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 117736 | AEMKSLEE KIGCLLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119926 | HFPDQ NCTMKLGI WT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119926 | HFPDQ NCTMKLGI WT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119939 | IFAQRLMR YW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119562 | DYTGKIM WTPPAIFK S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120229 | SVFRFSFV PV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 130437 | AFRGHIAR EE | Papio |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125871 | EEEEEEEE E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119562 | DYTGKIM WTPPAIFK S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119926 | HFPFDQQ NCTMKLGI WT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119048 | VSDYEMKL MDLDVEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119827 | EFHRWSSY MV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120156 | QRLMRYW ANF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122950 | YGHGSLEL LADVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120189 | RVYAYVFE HR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120180 | RQWKAEF HRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119980 | KAPQWPP YTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119926 | HFPFDQQ NCTMKLGI WT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122471 | LLTEHRMT WDPAQPP RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123377 | KLGYWKIR G | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119998 | KQQWVDY NLKWNPD DY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120180 | RQWKAEF HRW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119926 | HFPFDQQ NCTMKLGI WT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119867 | FMESGEW VMKDYRG WKH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125498 | MGCSSPP CECHQEE DFRVTC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120022 | LENYNKVI RPVEHHT H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 125246 | RRQPHVM S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 125246 | RRQPHVM S | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 119998 | KQQWVDY NLKWNP DY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125498 | MGCSSPP CECHQEE DFRVTC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130524 | KFHPKDIP YQVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130524 | KFHPKDIP YQVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 118060 | PPPGMRP P | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119753 | AQGARVY AYV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119926 | HFPFDQQ NCTMKLGI WT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119926 | HFPFDQQ NCTMKLGI WT | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119926 | HFPFDQQ NCTMKLGI WT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119867 | FMESGEW VMKDYRG WKH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117683 | VKSKKREA VAGRGRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120316 | WNPADYG GIKKIRLPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120316 | WNPADYG GIKKIRLPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120180 | RQWKAEF HRW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117676 | VEPKVKSK KREAVAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120123 | PDTPYLDIT YHFIMQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120022 | LENYNKVI RPVEHHT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119962 | ISPESDRP DLSTFMES G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120123 | PDTPYLDIT YHFIMQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125498 | MGCSSPP CECHQEE DFRVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120123 | PDTPYLDIT YHFIMQRI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 128004 | GMIEVQS NYGFVWD VSLKKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 130536 | LCENIAGH LK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 130537 | LCENIANH LK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122915 | THKANPSP EPNMHEC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125498 | MGCSSPP CECHQEE DFRVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125209 | QFQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 119745 | AKLFKDYS SVVRPVED | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 130470 | DWPALIFD QDML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120022 | LENYNKVI RPVEHHT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119733 | AAQGARY YAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119981 | KDEGSYFL VY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120197 | SEHETRLV ANLLENYN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117431 | AARGRGR GMGRGNI F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 134002 | AKLVTILQ AHPLQQS YD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119888 | GARVYAY VFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120022 | LENYNKVI RPVEHHT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120197 | SEHETRLV ANLLENYN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119988 | KIFAQRLM RY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 133909 | PEPAKKVP APK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 123282 | HACQKKLL KFEALQQE EGEE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 130872 | GSFLTKEP SKLNDRA | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119914 | GSVVAINP ESDQPDLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 130872 | GSFLTKEP SKLNDRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119488 | LGIWYTDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 121437 | IVQQFGAP GGLGETLQ QKLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118549 | PEPAKSAP APKKGSKK AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 118549 | PEPAKSAP APKKGSKK AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120343 | YNLKWNP DDYGGVK KIHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 119914 | GSVVAINP ESDQPDLS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119914 | GSVVAINP ESDQPDLS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 123282 | HACQKKLL KFEALQQE EGEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125498 | MGCSSPP CECHQEE DFRVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 118058 | PPPGIRGP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118549 | PEPAKSAP APKKGSKK AV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120197 | SEHETRLV ANLLENYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120022 | LENYNKVI RPVEHHT H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119331 | RTVLVSM NYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 118963 | PNYKVVV YAVTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119378 | VDYNLKW NPDDYGG VK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 130470 | DWPALIFD QDML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 121219 | DVEPKVKS KKREAVAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122721 | CSNSSSSQ FQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119828 | EHHTHFV DITVGLQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118549 | PEPAKSAP APKKGSKK AV | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119845 | ESDQPDLS NFMESGE W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119410 | YKMFPEVK EKGMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 127958 | EHP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119828 | EHHTHFV DITVGLQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120197 | SEHETRLV ANLLENYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119514 | RGWKHW VYYTCCPD TPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119828 | EHHTHFV DITVGLQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 122293 | CTYVLDPE NLTLKAPY EA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120197 | SEHETRLV ANLLENYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120197 | SEHETRLV ANLLENYN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 121542 | LFKPPKYH PDVPYVKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120129 | PKAPQWP PYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119803 | DLVLYNNA DGDFAI VH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 124998 | CLQMNNKK DMVAIKH LLSE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 119895 | GGVKKIHI PSEKIWRP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120067 | LKWNPDD YGGVKKIHI I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120070 | LLDQRLAL QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 120503 | ENKIFADDI DIS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123511 | MPPMTQ AP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 119597 | INEPVQVD IPNNPVRE GRNV | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122885 | QVAALTW VQTHIRGF GGDPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121845 | SGRALLEF SCFKGSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119187 | GNAEVHA SFFDIGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120084 | LRQQWID VRLRWNP AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118480 | KWNPDDY GGVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119828 | EHHTHFV DITVGLQLI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118336 | ERADLIAYL KKATNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120197 | SEHETRLV ANLLENYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119828 | EHHTHFV DITVGLQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119962 | ISPESDRP DLSTFMES G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119187 | GNAEVHA SFFDIGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118428 | IRYFILPDSL PLDTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119828 | EHHTHFV DITVGLQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119987 | KIDIDTEAY TENGEW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119962 | ISPESDRP DLSTFMES G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119962 | ISPESDRP DLSTFMES G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 122293 | CTYVLDPE NLTLKAPY EA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120173 | RLMRYWA NFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 119553 | ASVSEGDA VVNAVSQ ETPA | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 122780 | GQELKNP QEETLQAF DSHYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 130643 | YSLLEPYT FDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117513 | GRGRGRG RGRGGPR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120516 | EWGWS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 130636 | WPQIWFD DEEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122293 | CTYVLDPE NLTLKAPY EA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121845 | SGRALLEF SCFKGSC | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119735 | AEFHRWS SYM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119904 | GLQLIQLIS VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119904 | GLQLIQLIS VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119904 | GLQLIQLIS VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123193 | FQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119904 | GLQLIQLIS VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119904 | GLQLIQLIS VDEVNQI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 133802 | DSPAPIIKL GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 130635 | WGPRVIFE DVTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119855 | FAESRIRRE TIAAED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119378 | VDYNLKW NPDDYGG VK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 130634 | WEWDWP RIELNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119904 | GLQLIQLIS VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133908 | PDTGISSK AM | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125472 | LDVYLNK NKYLTVID KDAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119663 | VIVELIPST SSAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119910 | GQYFAKPR NQGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119904 | GLQLIQLIS VDEVNQI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119962 | ISPESDRP DLSTFMES G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120403 | AMGSKGN RTDSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119735 | AEFHRWS SYM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119904 | GLQLIQLIS VDEVNQI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130632 | VWYYSLEH STDDYAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131344 | AIGDRSKT DRENSVSI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125870 | EEEEEEEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119551 | AIFKSYCEII VTHFPFD | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119735 | AEFHRWS SYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119551 | AIFKSYCEII VTHFPFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119962 | ISPESDRP DLSTFMES G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 124603 | QHWSYPL RPG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 130621 | TFYTK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 125551 | RNLTYIDP DALKEPL KFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119551 | AIFKSYCEII VTHFPFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119845 | ESDQPDLS NFMESGE W | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 130620 | TFYLK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119551 | AIFKSYCEII VTHFPFD | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125870 | EEEEEEEEEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 124029 | DQSIGDLI AEAMDKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 121054 | VTGEVIFQ TPL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 123064 | CPTMTRVL QGVLPALP QVVC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 119962 | ISPESDRP DLSTFMES G | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123567 | PAKLGYW KI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122857 | MGCSSPP CECHQEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121348 | GQFRVIGP GHPIRALV GD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 120181 | RRATQLA HLV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98183 | KSAYTPAY YT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113534 | IDVDVSKP DLTAALRD VRQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105127 | DAEFRHD | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106482 | GSRSRTPS LPTPTRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111515 | LQPETTDL YCYEQLND SSEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100070 | GLMVGGV VIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100070 | GLMVGGV VIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106322 | DAEFRHDS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108796 | ARGLTGRP GDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 114149 | YGSLPQKA QGHRPQD E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110847 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98453 | SGFSGSVQ FV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107345 | EQRRAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 113879 | SQRSQDE N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 113879 | SQRSQDE N | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105127 | DAEFRHD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 117344 | PPGMRPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110993 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 100101 | HFYDGF VPLKTD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98647 | YTKDTNN NLT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113570 | KKAVTKA QKKDGKS AAHRKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98648 | YTKNTNN NLT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98649 | YTPAYYTK DT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 110980 | QPLGVGIS GHPLLNL DDTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 112673 | TGGQKGR GSRGQHQ AHSLER | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 100992 | KSLSRHDH IHHD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 100992 | KSLSRHDH IHHD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108019 | LSQPKIVK WDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110993 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110993 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106227 | AEIVYKSP VVSQDTSP RHL | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113518 | HNKIQAE LEDLLRYSK LYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111062 | YEQLNDSS EEEDEIDG PAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 108019 | LSQPKIVK WDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100549 | TEEKEFLKK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115056 | GLSLSRFS WGAEGQR PGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110770 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108019 | LSQPKIVK WDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104780 | FRHDSGY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111845 | TPTLHEYM LDLQPETT DLYC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 112655 | SADLDQFP LGRKFLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 108019 | LSQPKIVK WDR | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 108019 | LSQPKIVK WDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 104780 | FRHDSGY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98434 | RYMDQPS RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111486 | LIEESAIINA GAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104780 | FRHDSGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98455 | SGSVQFVP IQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110866 | GNVSPGT RREYHTEK LVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111845 | TPTLHEYM LDLQPETT DLYC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117301 | GSGKGKV QFQGKKT KFASDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110866 | GNVSPGT RREYHTEK LVT | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106481 | GSRSRTPS LPTPTRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98093 | HGFTEQN SG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 114142 | PQKSQRS QDEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110867 | GNVSPGT RREYHTEK LVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111845 | TPTLHEYM LDLQPETT DLYC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106322 | DAEFRHDS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 108382 | GGVVIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110994 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 108074 | PQVYTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110770 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98061 | GFSGSVQF VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115053 | GGSYFMIS R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110770 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110847 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105148 | DVAGL | Oryctola gus cuniculu s |

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|---|------|---|---|---|-------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115609 | GSLPQKA QGHRPQD E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 115609 | GSLPQKA QGHRPQD E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105148 | DVAGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105148 | DVAGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 113495 | GSLPQKSQ RSQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 116035 | YGSLPQKS GHRTQD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 115594 | AQRPQDE N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106634 | LVGPRGER GFP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110994 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113564 | KGNQYWR FEDGVLDP DYPRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110991 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113564 | KGNQYWR FEDGVLDP DYPRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105148 | DVAGL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116080 | ATGGTLQ QLFYSTITV GQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98378 | QNSKSAYT PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 108353 | ETNPEVLIK DLQDVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98461 | SKSAYTPA YY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 115610 | GSLPQKA QGHRPQD EN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 115610 | GSLPQKA QGHRPQD EN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115610 | GSLPQKA QGHRPQD EN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 107784 | DGSFFLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 108075 | PREPQVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110848 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107455 | KAKGQPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 115610 | GSLPQKA QGHRPQD EN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98122 | IQNSKSAY TP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 115610 | GSLPQKA QGHRPQD EN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105148 | DVAGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 115610 | GSLPQKA QGHRPQD EN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 112486 | DTYRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106480 | GSRSRTPS LTPPTRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111440 | KCDSTLRL CVQSTHV DIRTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112472 | DEGGYTCTF FRDHSYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98653 | YYTKNTNN NL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110852 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 115829 | KRGSGKDS HHPARTAHY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110770 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 100482 | RPPRAVPY YGPQVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 108634 | SKVEQEET NPEVLIKDL | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110771 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113601 | LEQLYME HNNVYTV PDSYFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110991 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 115593 | AQGHRPQ DEN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 115831 | KSGHRTQ DENP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110771 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 116677 | ASATQLYK TCKQAGT CPPD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110771 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 115611 | GSLPQKA QRPQDEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110772 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113564 | KGNQYWR FEDGVLPD DYPRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 108349 | EQEETNPE VLIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 105232 | GSNKGAI GLM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111819 | TDLYCYEQ LNDSEEE DEID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 115593 | AQGHRPQ DEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98321 | PAYYTKNT NN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111819 | TDLYCYEQ LNDSEEE DEID | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110772 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 99886 | AHSKEVPA LTAVET | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111819 | TDLYCYEQ LNDSEEE DEID | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105650 | AEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110772 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110887 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110887 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110772 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110887 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110888 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110888 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110888 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110773 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 113942 | TQDENPV VHF | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110889 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108860 | DGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110889 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113302 | CDDDDDN DGVPSDR DNCRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110890 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110890 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108623 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110892 | HSTKRGH AKSRPVRG | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106564 | KKVAVVRT PPKSPSSA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112453 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110899 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112453 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110899 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110899 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112453 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 106322 | DAEFRHDS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113463 | GQGQQG QQPGQG QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102384 | EFRH | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110991 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110847 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110900 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110901 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98626 | YEAALKQY EA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 105561 | VAVVRTPP KSPSSAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104785 | GAEIVYKS PVVSGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98320 | PAYYTKDT NN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105650 | AEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104785 | GAEIVYKS PVVSGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98319 | PAVVGKP GSD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105650 | AEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110820 | DVRQQYE SVAAKNL QEAEW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111091 | AEPDRAH YNIVTFCC KCDST | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109940 | SQDENPV VHF | Rattus norvegic us |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 114011 | VTTVTTHN NPTFTDPS VLQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108624 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 117300 | GSGKGKV QFQGKKT KF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105505 | SAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 108131 | SKDWSFY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 108131 | SKDWSFY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108131 | SKDWSFY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106480 | GSRSRTPS LTPPTRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99975 | EEKELLKRI Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113564 | KGNQYWR FEDGVLDP DYPRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100224 | KQISSQLTE EWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 111380 | GTGSGTG GRTGYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98439 | SAYTPAYY TK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115612 | GSLPQKA QRPQDEN G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 111856 | TTHYGSLP QK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 117300 | GSGKGKV QFQGKKT KF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110849 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 107479 | KFNWYVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 107479 | KFNWYVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110850 | FFSARGHR PLDKKREE AP | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110424 | SGTGGRT GYIPLGTR PPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110855 | FNRAGTV GENVPDD LYIKGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110424 | SGTGGRT GYIPLGTR PPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110850 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110773 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115135 | YSYDVNST EKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113625 | LQVVRLD GNEIKRSA MPADA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107951 | KTTICGKG LSATVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98334 | PIQNSKSA YT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98240 | LVPAVVGK PG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110773 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107242 | SQTTANPS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108626 | SHQESTRG RSRGRSGR SGS | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 113438 | GGTLEDTY RFVTQAIA CQKH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111359 | GPAGQAE PDRAHYNI VTFCC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107242 | SQTTANPS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108626 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113540 | IIPRHLQLA IRNDEELN KLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111359 | GPAGQAE PDRAHYNI VTFCC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107110 | EKERRPSPI GTATLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111359 | GPAGQAE PDRAHYNI VTFCC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111359 | GPAGQAE PDRAHYNI VTFCC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111216 | DSSEEEDEI DGPAGQA EPDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98307 | NTNNNLTL VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106481 | GSRSRTPS LTPPTRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111216 | DSSEEEDEI DGPAGQA EPDR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104785 | GAEIVYKS PVVSGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 110855 | FNRAAGTV GENVPDD LYIKGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106321 | DAEFRH | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98607 | VVGKPGS DVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 113628 | LRLIHYSYD VN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 113628 | LRLIHYSYD VN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98048 | FVPIQNSK SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 106374 | EDHAGTY GLGDRK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111216 | DSSEEEDEI DGPAGQA EPDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115268 | GLQYTPS WLVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111216 | DSSEEEDEI DGPAGQA EPDR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.009 | 0 | 0 | 0 | t | 116164 | RTPPPSG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 105021 | VHHQKLV FFAEDVGS NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 113993 | VHTGFGA MDF TTLQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105228 | GLMVGGV V | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110990 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 116164 | RTPPPSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98264 | NAANEAD YQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108627 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108156 | TDIPPCPH GWISLWK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 103839 | DAEFRHDS GYEVH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98599 | VQFVPIQN SK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98529 | TLVPAVVG KP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 103309 | KKNGRILT LPRSNPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 115593 | AQGHRPQ DEN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 117220 | LYKTCKQA GTCPPD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109599 | MPGERGA AGIAGPK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 102510 | HHQKLVFF AEDVGSN K | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110849 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98081 | GSVQFVPI QN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104356 | YGSHSNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110773 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110851 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 107662 | VLTVLHQN WL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105201 | FVNQHLCY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 111811 | STILEDWN FGLQPPPG GTLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110990 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 100504 | SEVAQGAL TSLPK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104816 | GREKFTIR PHYGKEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 105201 | FVNQHLCY | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 114042 | YGSLPQKA QRPQDEN G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110848 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114042 | YGSLPQKA QRPQDEN G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111091 | AEPDRAH YNIVTFCC KCDST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110774 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110774 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110775 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 107949 | KSLSLSP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 114042 | YGSLPQKA QRPQDEN G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110775 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110775 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110775 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114042 | YGSLPQKA QRPQDEN G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111027 | SRALAREV DLKDYED QQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113957 | TSSKAKEL KDRHRDF PDVIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110941 | MHGDTPT LHEYMLDL QPE | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98804 | GLVWTS GPAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98593 | VPIQNSK SAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110776 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111026 | SRALAREV DLKDYED QQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117288 | FGDFNLPR DKFLKEQI KLDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111026 | SRALAREV DLKDYED QQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 104327 | VEQHNPIN AGTELSAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111231 | EDLLMGTL GIVCPICSQ KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98176 | KNTNNNL TLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98589 | VPAVVGK PGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98489 | SVQFVPIQ NS | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 116001 | TQDQDPV VHF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108628 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107149 | GIAGFKGE QGPKGET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98532 | TNNNLTLV PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110851 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110946 | MSTRSVSS SSYRRMFG GPGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110946 | MSTRSVSS SSYRRMFG GPGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98534 | TPAYYTKD TN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111856 | TTHYGSLP QK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105898 | KGEQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 107814 | EGLHNHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113014 | GSLPQKSQ RSQDENG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108629 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98534 | TPAYYTKD TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 112603 | MIAATYNF AVLKLMG RGTKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113551 | IRDVWGIE GPIDAAFT RINC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113738 | PVEVSRKN PKFMETV AEKAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102439 | FQLKTADL PAGRDETT SFVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110776 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 98534 | TPAYYTKD TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 105202 | FVNQHLYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98364 | QFVPIQNS KS | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 107018 | YKTTICGK GLSATV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 116001 | TQDQDPV VHF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111020 | SGIGTLDG FRHRHPDE AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116001 | TQDQDPV VHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 116001 | TQDQDPV VHF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100635 | VTNYLVDG NG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111264 | EYMLDLQ PETTDLYC YEQLN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111264 | EYMLDLQ PETTDLYC YEQLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98534 | TPAYYTKD TN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98177 | KPGSDVYY AG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108652 | TGPSTRGR QGSRHEQ AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98295 | NNNLTLP AV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108630 | SHQESTRG RSRGRSGR SGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113667 | NNPDWG TFEEVSGN VSPGTR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 104327 | VEQHNPIN AGTELSAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102335 | CKMWAD AFTSSRGK VVEC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99922 | DAEFRHDS GY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 102335 | CKMWAD AFTSSRGK VVEC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99922 | DAEFRHDS GY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99922 | DAEFRHDS GY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99922 | DAEFRHDS GY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102335 | CKMWAD AFTSSRGK VVEC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99922 | DAEFRHDS GY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 102335 | CKMWAD AFTSSRGK VVEC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102335 | CKMWAD AFTSSRGK VVEC | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114740 | AQGHRPQ DE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 102335 | CKMWAD AFTSSRGK VVEC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113350 | EAE EWYKS KFADLSEA ANRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110783 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 114740 | AQGHRPQ DE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 114740 | AQGHRPQ DE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110783 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106322 | DAEFRHDS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110782 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113349 | EAE EWYKS KFADLSEA ANRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110848 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113349 | EAE EWYKS KFADLSEA ANRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110782 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110781 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110781 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 104327 | VEQHNPIN AGTELSAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113349 | EAE EWYKS KFADLSEA ANRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113349 | EAE EWYKS KFADLSEA ANRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110780 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98078 | GSDVYYA GLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110780 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110376 | QAEPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110376 | QAEPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110376 | QAEPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110376 | QAEPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113159 | SDEGGYTC FFRDHSYQ EE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110198 | CPPDIIPKV EGKTIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113159 | SDEGGYTC FFRDHSYQ EE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110853 | FFSARGHR PLDKKREE AP | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 110198 | CPPDIIPKV EGKTIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110376 | QAEPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110776 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110780 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 113670 | NPVVHFFK NIVTP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117140 | DWEYSVW LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110851 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110900 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110779 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110778 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98290 | NLTLVPAV VG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110778 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105505 | SAE | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | 0 | 0 | t | 115640 | QKSQRSQ DEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 103104 | DFLIEEIERL GQDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110778 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110778 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 114226 | QKSHGRT QDENPVV HF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 113742 | QDENPVV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110777 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 113742 | QDENPVV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110777 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110777 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110777 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110990 | RARPAKA AATQKKVE RKA | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65615 | TPISPPLRD SHP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 73744 | YEPYYHSD HAESSWV NRGES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64057 | THNQWN KPSKPKTN LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94441 | CCHPAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64057 | THNQWN KPSKPKTN LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63832 | TGGAGYFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94447 | CCHPACG KNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71523 | VTTLNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 71523 | VTTLNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 70735 | VRGTLGDI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 71523 | VTTLNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 76275 | YVFYSGNG PKASGGD YCIQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63037 | TAVSPTTL R | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 63037 | TAVSP TTL R | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94451 | CCNPACG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94452 | CCNPACG PKY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94453 | CCNPACG R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64049 | THLKASSG YCAWPAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94454 | CCNPACG RHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 65664 | TPNATQPE LAPEDPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 76239 | YVATRSET DYYAGNSP PQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 88388 | SAWNSDS EKPFDDHL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 73649 | YEEPNDGE ERQS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72571 | WIARFDT DKDGKVSL EEFCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72571 | WIARFDT DKDGKVSL EEFCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 89533 | TLAYRFGN VTPR | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|--------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72571 | WIARFDT DKDGKVSLEEFGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73640 | YEDVNGIR RP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESNH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESNH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESNH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESNH | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 76208 | YTVSKSKT NIFW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 60978 | SSEVAVLY QDVNCTD V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 76195 | YTTSTRGD LAHVTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65698 | TPPRPAGD NATVAAG HAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71422 | VTMTDLV PGILEKQR | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71421 | VTMRPTSL AQRNEMF F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 97960 | DTNNNLTL VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 89768 | TTTLNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73636 | YEDRRYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97205 | ANYTTAV D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71568 | VTVVTTSG S | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 71568 | VTVVTTSG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71568 | VTVVTTSG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94467 | CNPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64032 | THGQWN KPSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94468 | CNPAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61574 | STEELFKEY KLTRPYMA RC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 87595 | QKASIAGT DSGW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 61574 | STEELFKEY KLTRPYMA RC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63022 | TATRLLSST NSRLC | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94469 | CNPACG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 67187 | TVTTTTKG ENFTETDI KI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 87580 | QIHRLVSG YDND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 67187 | TVTTTTKG ENFTETDI KI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 66884 | TTTTTKTT TT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94470 | CNPACGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 63038 | TAVSP TTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 61574 | STEELFKEY KLTRPYMA RC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 68858 | VHILCYCY GLPDSEP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94471 | CNPACGP K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94472 | CNPACGP KY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 89329 | TAIFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 66347 | TSNTHACR TCSNPCR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73607 | YDWRAD WVKGFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 95524 | KRQIYTDIE MNRLGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94473 | CNPACGP KYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94474 | CNPACGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 87232 | PEFAGLSG SVQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94475 | CNPACGR H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64010 | TGYRYDSR TGFFATN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64010 | TGYRYDSR TGFFATN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94477 | CNPACGR HYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64010 | TGYRYDSR TGFFATN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 74374 | YISPYFINT S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 62788 | TAAGYCNT ECLKKG | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 66347 | TSNTHACR TCSNPCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62779 | TAADTPTA TESISPSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 70682 | VQYNLSHS YAGDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 96103 | APPLLPHS NLDHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66841 | TTTCFRDT DTGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 66841 | TTTCFRDT DTGK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74416 | YIWPRND YDGFLENA HEHHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73563 | YDNAYCD KLCKDKKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73563 | YDNAYCD KLCKDKKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94494 | ECCNPAC GRH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 73563 | YDNAYCD KLCKDKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73563 | YDNAYCD KLCKDKKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73563 | YDNAYCD KLCKDKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 97484 | LVEETSFID AGAP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 71368 | VTIPGEGC NGDG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97484 | LVEETSFID AGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 90069 | VKASAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 97484 | LVEETSFID AGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71693 | VVIANNV DKFVSWG TDFEM | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62912 | TALKKAITA MSQAQKA AKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 85636 | LNPTIAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 85615 | LNIEKYQIH RLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67253 | TWEVLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67253 | TWEVLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 97484 | LVEETSFID AGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 68370 | VETEDTKE PGVLMGG Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95521 | KQTLPPSV | Cavia porcellu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78417 | HVWSSPQ ALQRFLHD PTLTW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78419 | IGHGLLPW NNLVTHP VLGKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 70656 | VQTRHVV QHRSRSES SIESF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 70656 | VQTRHVV QHRSRSES SIESF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 70656 | VQTRHVV QHRSRSES SIESF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75954 | YTASTRGD LAHLTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60840 | SRYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 74436 | YKDGTLP LSTKDLTTY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 74436 | YKDGTLP LSTKDLTTY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62912 | TALKKAITA MSQAQKA AKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73554 | YDKPYMML NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73554 | YDKPYMML NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 73554 | YDKPYMML NLYDPNKY VDV | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62912 | TALKKAITA MSQAQKA AKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61394 | SSTKNLIY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61394 | SSTKNLIY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61946 | STTNTPLV SHLEHRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.037 | 0 | 0 | 0 | t | 61977 | STVKEQLIE KLIEDDEN SQC | Papio cynocep halus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60818 | SRTLGCWS EFIPVDDG WGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78437 | KVTNGSKS YTLRYLAS YVK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69862 | VLYEAFDE MEECASR AALIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75287 | YPFRLPIKG VPIELQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63282 | TEAAILTQ QAAQFDQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70851 | VRVRSRV NAANKKP ED | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64628 | TKNTNNN LTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 84184 | KASAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 71346 | VTGSVVCT TAAGNVNI AIGG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63065 | TCFLTAAG YCNECT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71346 | VTGSVVCT TAAGNVNI AIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95518 | KQKIVAPV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97686 | TGSAAAN Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79524 | CHTTATIPS SAVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79524 | CHTTATIPS SAVTC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75222 | YNSSRSYW T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 83781 | INPWDSKS DYLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62912 | TALKKAITA MSQAQKA AKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63979 | TGTIINQD PDKILTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63979 | TGTIINQD PDKILTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63979 | TGTIINQD PDKILTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 69183 | VKAVTTLL KA | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95517 | KQKIIAPA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79524 | CHTTATIPS SAVTC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 63065 | TCFLTAAG YCNECT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 61291 | SSPSSTKSS PSNVKSAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63065 | TCFLTAAG YCNECT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78468 | NAKATYEA AL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 96067 | AETIFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 96067 | AETIFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96067 | AETIFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 64428 | TIPTKKSQI FSTYADNQ PGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65000 | TLPERVRP PDDWAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62909 | TALGNLKQ IYYNEKA KTEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 65863 | TQGVVKE RRWTLVN ENRPIW | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 60684 | SRGTSMD DEADR | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96268 | ETIFDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79524 | CHTTATIPS SAVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 61720 | STLGNDL RTYNDKDL L | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 96268 | ETIFDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 68833 | VHASFFDI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 82909 | GTDSGWG NRQSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 68401 | VEVPGSQ HIDSQKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78478 | PDSDPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75923 | YSWKTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 71844 | VVSWKNK EL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 82850 | GRHNSESY HAGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75920 | YSVLYNST FFSTFKCY G | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 62813 | TADEWDII | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73513 | YCYGLPN WVKVWD RA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 68200 | VEGMQFD RGYLSPYF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 82816 | GNVTPRVS YAHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 60801 | SRSGLGS IAARVATQ LP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60671 | SRGKGPG KKNK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 73503 | YCNTCTL KKGSSGY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 73503 | YCNTCTL KKGSSGY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 73503 | YCNTCTL KKGSSGY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64628 | TKNTNNN LTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75913 | YSVDDGET W | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 65910 | TQPELVPE DPED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63967 | TGSQDFFV RSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63715 | TFNFDNEP ENISIENLS SD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63967 | TGSQDFFV RSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 69178 | VKAETRLN PDLQPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 73485 | YCAWPAC YCYGLPDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 82573 | GAYKRHH QVQEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 69178 | VKAETRLN PDLQPTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 69178 | VKAETRLN PDLQPTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63344 | TEEIDEIES VTEEVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97539 | NYTTAVDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69178 | VKAETRLN PDLQPTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69178 | VKAETRLN PDLQPTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 79444 | VARGDLA ARGDLAA RGDLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63967 | TGSQDFFV RSIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 79444 | VARGDLA ARGDLAA RGDLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 69178 | VKAETRLN PDLQPTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78547 | TYEAALKQ YEADLAA | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63967 | TGSQDFFV RSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63967 | TGSQDFFV RSIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63967 | TGSQDFFV RSIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 96286 | FDVTTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66743 | TTNRFAKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73483 | YCADVAA EELMNAL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64985 | TLNPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96286 | FDVTTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65205 | TMGIYFAT PEWVALN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 63967 | TGSQDFFV RSIG | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75863 | YSPSRFSY FYPFRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63967 | TGSQDFFV RSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64985 | TLNPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 65205 | TMGIYFAT PEWVALN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96849 | SAETIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 65205 | TMGIYFAT PEWVALN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 65535 | TPDNNQT SPARR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 96849 | SAETIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 65535 | TPDNNQT SPARR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 96849 | SAETIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 65535 | TPDNNQT SPARR | Rattus norvegic us |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73466 | YAVRNSNS LIYY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70038 | VMYASSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97363 | GSAAANY T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78568 | YATNPQT QLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64985 | TLNPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94616 | NPAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 82078 | FHQNGQV TEVTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95695 | PVKQTLPP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78624 | DMNEKQK PYFEFEYD DFKP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71312 | VTGATVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 78624 | DMNEKQK PYFEFEYD DFKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78624 | DMNEKQK PYFEFEYD DFKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 82034 | FFVQYGG AYKRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 68182 | VEFPLDITA G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73433 | YARFMDT DPDRYGIL PSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78630 | DYGEILTEK VEDLYKGV LL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 91165 | CCELCCNP ACAGCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 91165 | CCELCCNP ACAGCY | Sus scrofa |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79528 | CPSKKPYE EVTC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97311 | FPLPTDAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 66330 | TSMDDEA DRYFT | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79528 | CPSKKPYE EVTC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 74497 | YKQKIIAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 69129 | VITPGTNA SSEVAVLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94623 | NPACGRH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78657 | FVHAKKKE EGEDDTA RQEI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 61589 | STEQNVP DPQVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62359 | SVTFKFGE EFDEKTSD GRSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62359 | SVTFKFGE EFDEKTSD GRSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62359 | SVTFKFGE EFDEKTSD GRSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94624 | NPACGRH Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79535 | EDDDDDF GMGALF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 61589 | STEQNVP DPQVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 60544 | SQRTRDIYI SR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95712 | QKIIAPAK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95713 | QKIVAPVK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 61589 | STEQNVP DPQVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95849 | SGTSGTSG TSAQ | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|--------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78701 | KKFNSSAG DKQGNISIEKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78702 | KKKEEGED DTARQEIRKAW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73385 | YALADASL KMADPNRFRGKD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78708 | KLVEYCDF LTTFVHAKKKE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95715 | QKVARTPC | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60596 | SQWNKPS KPKTN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97776 | YKGVAFPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64411 | TIPAQGTS M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 61589 | STEQNVP DPQVG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78735 | LRVKIERD DLSRETIQII | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 76471 | YWPPPQG RRRF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 72113 | VYNKTISG SGP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 72113 | VYNKTISG SGP | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66707 | TTLPKGIFY AEGSRGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 61833 | STPPVPPP SVSRRKP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66025 | TRFVNASP TGYD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78752 | NKGKWKE HIKEVTEKL KKA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75791 | YSLFQKEK MVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75791 | YSLFQKEK MVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64113 | TIAGAG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80508 | ATAIFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70783 | VRLIRVTAS PSA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75791 | YSLFQKEK MVL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 75791 | YSLFQKEK MVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64113 | TIAGAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64113 | TIAGAG | Oryctola gus cuniculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 61560 | STDPAATD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72507 | WGQGGT HGQWNK PSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78816 | RQEIRKA WVKGMP YMDFSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67931 | VDEKKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67931 | VDEKKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66703 | TTLNPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66933 | TVAEEHVE EPTVAEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 70537 | VQDGSVT EQIIEELFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95744 | QTLPPSVP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66050 | TRLENLM WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63458 | TELRYSWK T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 66050 | TRLENLM WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66050 | TRLENLM WK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61833 | STPPVPPP SVSRRKP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 61833 | STPPVPPP SVSRRKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 79369 | RGDLRGDL RGDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 79369 | RGDLRGDL RGDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 78843 | TAAQITAG IALHQSNL N | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63458 | TELRYSWK T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94637 | PACGRHYS C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66051 | TRLENLM WK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66051 | TRLENLM WK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66051 | TRLENLM WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95747 | QVLAQKV A | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 70203 | VNTQFYTI KEGMYKA LNYQ | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70489 | VPSYSFIRA HDSEVQD LIA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70489 | VPSYSFIRA HDSEVQD LIA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80272 | AIFDTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 67373 | TYKADGET ATEKT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97565 | PTGSAAAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 72178 | VYVEELKP TPEGDLLEIL LQK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70070 | VNGENLV GDDVVLA T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79446 | VCDQVQ WMTRLAC Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 64876 | TLKKGSSG YCAWPAC | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 67908 | VDASSGSN RFAALPAF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70070 | VNGENLV GDDVVLA T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78875 | VLHSDYCI VPNKGGSIGS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78876 | VLLGRKW EDEVDDE SYF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 76485 | YYALDVYA YDVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 75245 | YPADSKGC KITCFLT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 79368 | RGDLARG DLARGDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 64876 | TLKKGSSG YCAWPAC | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75245 | YPADSKGC KITCFLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64541 | TKDTNNN L | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61523 | STANAKVL VEIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61523 | STANAKVL VEIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 62715 | SYSYNKDN NELSHFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73893 | YFSIFNTEL SQSNIEER YK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 73893 | YFSIFNTEL SQSNIEER YK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 73893 | YFSIFNTEL SQSNIEER YK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 62354 | SVTEEVVE EEGPVDEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 67903 | VDAGSVD QTVQLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 95058 | AGLQND | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 70457 | VPQVRKET RASSR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70070 | VNGENLV GDDVVLA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70070 | VNGENLV GDDVVLA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 70070 | VNGENLV GDDVVLA T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 70070 | VNGENLV GDDVVLA T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95058 | AGLQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62354 | SVTEEVEE EEGPVDEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97575 | QGRTSPPGQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63604 | TEYYLNHGKWPEN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 80105 | YEVTPTRMLVCG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80105 | YEVTPTRMLVCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEEIVTEEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEEIVTEEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71285 | VTEEIVTEEIVTEEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95771 | RNVPEKQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 75691 | YRYNIYSEKEKSNINIDFN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64640 | TKPTDGN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 75691 | YRYNIYSEKEKSNINIDFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75691 | YRYNIYSEKEKSNINIDFN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 64843 | TLIDINGKTKSVFFEYNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 62991 | TASGQKAEQDT | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70304 | VPGIDPNA CHYMKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80090 | VTSVAMK PYEVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64843 | TLIDINGKT KSVFFEYNI R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 60710 | SRKAYDH NSPYIWPR NDYDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75686 | YRYDSRPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 69383 | VLAQKVA RTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 70070 | VNGENLV GDDVVLA T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 70070 | VNGENLV GDDVVLA T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | 0 | 0 | t | 60663 | SRGAPGG GFVPSLQG VP | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 60663 | SRGAPGG GFVPSLQG VP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77968 | PPPYAPNP GPPPPYTG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94762 | AAPAKKA APAKKAA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80041 | SVAMKPY EVTPT | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80035 | SSPMEVM LRAVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 75245 | YPADSKGC KITCFLT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64542 | TKDTNNN LTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 74737 | YKLGPRGS VMTTNIYL NSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63754 | TFTMDGD TMTMLTE STFKNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 97922 | AYYTKNTN NN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74737 | YKLGPRGS VMTTNIYL NSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74737 | YKLGPRGS VMTTNIYL NSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64296 | TIFDVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65473 | TNVDQDL VGWPAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65473 | TNVDQDL VGWPAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 74737 | YKLGPRGS VMTTNIYL NSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74737 | YKLGPRGS VMTTNIYL NSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73132 | WTGVTQN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|----------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73132 | WTGVTQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74737 | YLGPRGS VMTTNIYL NSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63345 | TEEIIQGES KVEEVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 74737 | YLGPRGS VMTTNIYL NSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73132 | WTGVTQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80011 | RMVECSG KQDCP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74737 | YLGPRGS VMTTNIYL NSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 74737 | YLGPRGS VMTTNIYL NSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 74737 | YLGPRGS VMTTNIYL NSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66935 | TVAFNQF GPNAGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74737 | YLGPRGS VMTTNIYL NSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66935 | TVAFNQF GPNAGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66108 | TRTNPWP ALAEGEF | unidentified |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 73920 | YFTYEEPN DGEE | Capra hircus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 75629 | YRLATNAS QAGVEKIL SAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75629 | YRLATNAS QAGVEKIL SAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75629 | YRLATNAS QAGVEKIL SAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75629 | YRLATNAS QAGVEKIL SAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95814 | SAQSGASA QSGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64396 | TINKPKGY VGKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64296 | TIFDVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64296 | TIFDVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66935 | TVAFNQF GPNAGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64296 | TIFDVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75629 | YRLATNAS QAGVEKIL SAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75629 | YRLATNAS QAGVEKIL SAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95966 | VKQTLPPS | Cavia porcellu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 75629 | YRLATNAS QAGVEKIL SAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95815 | SAQSGASA QSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95815 | SAQSGASA QSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66649 | TTIHELLVR MKRAELYC PRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65430 | TNSNSNLS DGLYVIDK GDGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 79026 | MSDGAVQ PDGGQPA V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74737 | YLKGRGS VMTTNIYL NSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 66649 | TTIHELLVR MKRAELYC PRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75245 | YPADSKGC KITCFLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 66649 | TTIHELLVR MKRAELYC PRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74737 | YLKGRGS VMTTNIYL NSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97420 | KGVAFPLP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64312 | TIGTLKKIL DETVKDKI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95815 | SAQSGASA QSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74737 | YLGPRGS VMTTNIYL NSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74737 | YLGPRGS VMTTNIYL NSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79992 | QRPLRMFL GPKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62863 | TAGPNEYV YYKVYATY RKYQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64783 | TLEVHGVK PAAEEVKA TPAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95816 | SAQSGTSA QSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73089 | WSPCSVT CG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95816 | SAQSGTSA QSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 95051 | YSQFEKSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 89258 | SVRYDSPE FAGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75604 | YRFTNFEP F | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75370 | YPNQV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79971 | PLRMFLGPKQLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 73973 | YFYVGLDY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73747 | YEQLNDSS EEDEIDG PAGQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95048 | VIFQTPLIK NPDVKSAL EG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95446 | HKQKIIAP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95818 | SAQSGTSG TSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60722 | SRLGRSSA WV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97734 | VIDPAKVT RV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95819 | SAQSGTSG TSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 75245 | YPADSKGC KITCFLT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 66648 | TTIHELLVR MKRAELYC PR | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 73067 | WSERIREF MEKECP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73051 | WRSTRDA FINGAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73051 | WRSTRDA FINGAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 72320 | WDMMM NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.017 | 0 | 0 | 0 | t | 75571 | YQWLTRV GKYRPQD KPNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 60543 | SQRSTNSA ST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64698 | TKWCPPG QLVNLHDF RSDEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 65409 | TNRNPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | 0 | 0 | t | 61557 | STDNNNT KTISTDNN NTKTI | Pan troglody tes |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79908 | LIRMVECS GKQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 65409 | TNRNPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95827 | SGASAQS GASAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96386 | IFDVTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 96386 | IFDVTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95828 | SGASAQS GTSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79903 | LELIRMVE CSGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 72324 | WDQKLW CRHFCVLA D | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95047 | VEVPGSQ HIDSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 74048 | YGLPNWV KVWDRAT N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 71189 | VSVITPGT NASSEVAV L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|-------------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79890 | KRPGSSP MEVML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | 0 | 0 | 0 | t | 71182 | VSVAFGNP GDPVTG | Oncorhy nchus tshawyts cha |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75372 | YPNQVYYR PVDRYSN QNNFV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95829 | SGASAQs GTSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79889 | KQLTFEGK PALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95830 | SGASAQs GTSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79158 | ASPYGNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 61945 | STTNKDK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79888 | KPYEVTPT RMLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 76586 | YYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 72998 | WQPIYGST PVTPTGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61945 | STTNKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63122 | TDAYNQKL SERRAN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 63856 | TGIEPDDH LKERSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79843 | GPKQLTFE GKPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95832 | SGPSGPSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63122 | TDAYNQKL SERRAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63122 | TDAYNQKL SERRAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63122 | TDAYNQKL SERRAN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95833 | SGPSGPSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 64328 | TIIPYIGPA LNIGNMLY K | Mus musculus |

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|---|------|---|---|---|-------|---|---|---|---|-------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66539 | TTASGKLIT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 66976 | TVDNPAST TNKDKLFA VWK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 62730 | SYTVTNLV QTQSQVQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 62971 | TAQRCDH S | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61945 | STTNKDK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79176 | DAVPNM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64328 | TIIPYIGPA LNIGNMLY K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97377 | GYKGVAFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64328 | TIIPYIGPA LNIGNMLY K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 64328 | TIIPYIGPA LNIGNMLY K | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 64328 | TIIPYIGPA LNIGNMLY K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 64328 | TIIPYIGPA LNIGNMLY K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79177 | DAVPYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 64328 | TIIPYIGPA LNIGNMLY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 61945 | STTNKDK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 68927 | VIDLMQT HQHGLVG ALLRAA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 89292 | SYHAGFNY KNGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79821 | FEGKPALE LIRM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64663 | TKRRITPK D | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62859 | TAGLVGLL TPGA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 74009 | YGGPANK KNAG | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 74009 | YGGPANK KNAG | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79189 | DSAVPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 74009 | YGGPANK KNAG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97628 | SAAANYTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95848 | SGTSGTSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 95043 | SPHQVYN | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97157 | AAANYTTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 72919 | WNYDNAY CDKLCKDK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 72919 | WNYDNAY CDKLCKDK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 72919 | WNYDNAY CDKLCKDK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64328 | TIIPYIGPA LNIGNMLY K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 72919 | WNYDNAY CDKLCKDK | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72919 | WNYDNAY CDKLCKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94954 | TTAETLDA TC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70390 | VPNLRGDL QVLAQKV ART | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97181 | AFPLPTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 63215 | TDPTGIEP DDHLKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70390 | VPNLRGDL QVLAQKV ART | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95841 | SGTSAQSG TSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65331 | TNGTSGRT PVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 65331 | TNGTSGRT PVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70389 | VPNLRGDL QVLAQKV A | Cavia porcellu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 65331 | TNGTSGRT PVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 61516 | STAIHADQ LTPAWRIY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72913 | WNTGGSR YPGQGSP GGNRYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95004 | DEESSNAA EEWKYVA MVIDH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95842 | SGTSAQSG TSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79235 | GRDGYIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72911 | WNSTTFH QTLQDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 75791 | YSLFQKEK MVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95843 | SGTSGPSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 61945 | STTNKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97167 | AANYTTAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95844 | SGTSGPSG PSGT | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79760 | ASSPDAHV PFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95844 | SGTSGPSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 97920 | AYTPAYYT KN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63808 | TGDPKPKK NKKPKNPT PPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75445 | YPYLKDGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95845 | SGTSGPSG TSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79751 | AKLGAAAS SPDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79277 | KRDGYIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 97919 | AYTPAYYT KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75128 | YNAVLDP LITALLGT FDTR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 66977 | TVDNSAST KNKDKLFT VWK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 95034 | PKPAKSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95847 | SGTSGTSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95036 | RTCMTTA QGTSMP YSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 70140 | VNNTLSTD IPFQLSKY VDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97170 | ADQELGD APFLDRL RDRDQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 97671 | SWGPFPP GGGSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 97916 | AVVGKPG SDV | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 75425 | YPVDRSTFW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63132 | TDDKTLDEAEKSPL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 76616 | YYTKDTNNNL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79619 | NHPPKRQPG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79619 | NHPPKRQPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79619 | NHPPKRQPG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79619 | NHPPKRQPG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79619 | NHPPKRQPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95041 | SLAGKREMA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 95042 | SPESDRPD LST | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 95042 | SPESDRPD LST | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 72805 | WLTEKEGSYP | Ovis aries |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 95042 | SPESDRPD LST | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72503 | WGQGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 64645 | TKPTDPTG IEPDDH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | 0 | 0 | t | 67615 | VAGRKKLE ELERDLRK TK | Marmota monax |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 68801 | VGTEWTP CSVTCGVG VRVRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79329 | PDHVRTK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61549 | STDEPAGE SA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66382 | TSQDGNN HQFT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 76618 | YYTKDTNN NLTLVPAV VG | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66382 | TSQDGNH HQFT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39398 | LSGRPAIV PDREVLVYQ EFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39398 | LSGRPAIV PDREVLVYQ EFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38313 | LNPTIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38313 | LNPTIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38313 | LNPTIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53998 | RGTLLIGQV DRLKDKV NNTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 59797 | SNAYSHFY DGFSKVPL KDQS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38313 | LNPTIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38313 | LNPTIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38313 | LNPTIA | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38313 | LNPTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 59797 | SNAYSHFY DGFSKVPL KDQS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39399 | LSGRPAIV PDREVLRY EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49450 | PSNQDSF QWQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49450 | PSNQDSF QWQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 53998 | RGTIGQV DRLKDKV NNTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 51799 | QPDLIPL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 53998 | RGTLLGQV DRLKDKV NNTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53998 | RGTLLGQV DRLKDKV NNTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 54103 | RHVKNYH SRSESTIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47839 | PHKAAVD VGPLSVGP QS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 42251 | MNYLLFCL FFAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 53342 | RDFSIRES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | 0 | 0 | t | 45316 | NPKD | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 42227 | MNPHNTV FDAKRLIG RKFND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 47257 | PEDPEDSA LLEDVPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 56949 | SAQEDLG DDTGIHVI PTLNG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42196 | MNDIQIKT ITIYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 46081 | NTECTLKK GSSGYCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 46081 | NTECTLKK GSSGYCA | Ovis aries |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 56022 | RTCAHPGE H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 47233 | PEADTDPL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 56962 | SARDGIRD AMIGLREE MIEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |

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|---|------|---|---|---|-------|---|---|---|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42074 | MLTESTFK NLSVTFKF GEEF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42074 | MLTESTFK NLSVTFKF GEEF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42074 | MLTESTFK NLSVTFKF GEEF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 42475 | MRKTKLA PTVAHG V F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47229 | PDYASLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47229 | PDYASLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47229 | PDYASLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 42475 | MRKTKLA PTVAHGV F | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 51775 | QNTRNIVP VSIVSR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 51775 | QNTRNIVP VSIVSR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 51775 | QNTRNIVP VSIVSR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48819 | PPLGNWF G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53998 | RGTLLGQV DRLKDKV NNTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46094 | NTFYCCEL CCNPACA GCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42008 | MLMRTDP FRELDRA EQVLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42008 | MLMRTDP FRELDRA EQVLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42008 | MLMRTDP FRELDRA EQVLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINSIDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINSIDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51772 | QNTEEME NLSDRVAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46094 | NTFYCCCL CCNPACA GCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINSIDY INR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58582 | SIKEDVQF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58582 | SIKEDVQF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKYS QMINISDY INR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51771 | QNTEEME NLSDRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51771 | QNTEEME NLSDRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51771 | QNTEEME NLSDRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 47890 | PIELQVECF TWDQKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58560 | SIINFEKL | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41869 | MKNQTFH LQGFVDGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 46094 | NTFYCCEL CCNPACA GCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0 | t | 46094 | NTFYCCEL CCNPACA GCY | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38314 | LNPTIAGA GDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 57062 | SAYTPAYY TKDTNNN LTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41866 | MKNNPIYS EGSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41866 | MKNNPIYS EGSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 37760 | LLRTQFF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 46094 | NTFYCCEL CCNPACA GCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 46094 | NTFYCCEL CCNPACA GCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 55987 | RSVHDVVL VGGSTRIP KVQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39597 | LSQDEIDR MVNDAEK Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 47358 | PELVPEDP EDSALL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 57120 | SCNATQY NQLST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47212 | PDTRPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 60415 | SQDRHKQ KIIAPAKQL L | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|--------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 39597 | LSQDEIDR MVNDAEK Y | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 39597 | LSQDEIDR MVNDAEK Y | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50202 | QAAAAVP ATKWKA YCGYY | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58522 | SIGMLPRFI PENQRTV A | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 45124 | NNIILNLR YKDNLLID LSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 49968 | PVSMAKT SVDCNMYI CGDS | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38330 | LNRSGGN YTKTDDEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 57166 | SDARQRV ADRK RKEK YDSFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 47205 | PDSVKIWT SETNKC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 42475 | MRKTKLA PTVAHGV F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58783 | SKAFSNCY PYDVPDYA SL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 47986 | PISLVNLST ASSAPPTR VRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42475 | MRKTKLA PTVAHG V F | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 47202 | PDSEPTKT NGKCKSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58783 | SKAFSNCY PYDVPDYA SL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 53247 | RAYALWS ARQQFKTT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 47202 | PDSEPTKT NGKCKSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39398 | LSGRPAIV PDREVLQYQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53247 | RAYALWS ARQQFKTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 53247 | RAYALWS ARQQFKTT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47202 | PDSEPTKT NGKCKSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 57250 | SDMYGLIV AQWLSTV NTQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48782 | PPFTSAVG GVDHRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 46179 | NTMDVIK KMLADQT V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 54233 | RIREFMEK ECPFIK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45006 | NMMRFTE LSTPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 55952 | RSRSESSIE SF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 55952 | RSRSESSIE SF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58783 | SKAFSNCY PYDVPDYA SL | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58783 | SKAFSNCY PYDVDPDYA SL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 55952 | RSRSESSIE SF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55952 | RSRSESSIE SF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 48006 | PIVKNQSC SISNIETV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55952 | RSRSESSIE SF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 55952 | RSRSESSIE SF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58783 | SKAFSNCY PYDVDPDYA SL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48017 | PIYGKTIST PSDYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 53357 | RDGQSVIG ACASPYEG RYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56899 | SAMSRPM IHFGNDW EDRYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45367 | NPIDATAR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45004 | NMMKYIS PPIFL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 45003 | NMLYKDD FVGALIFS GAVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 56173 | RTRVHGD KATAHGR K | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42475 | MRKTKLA PTVAHGV F | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50814 | QFQGQQ QPFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45003 | NMLYKDD FVGALIFS GAVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45368 | NPIDHSAR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58466 | SICSNNPT CWAISK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 60424 | SQEIVQNE SGTEEILE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60424 | SQEIVQNE SGTEEILE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51670 | QNAPQAQ NAPQVE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58466 | SICSNNPT CWAISK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58465 | SICSNNPT CWAICKR | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58465 | SICSNNPT CWAICKR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48017 | PIYGKTIST PSDYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 43233 | NANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43233 | NANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38956 | LQQATRQ AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45003 | NMLYKDD FVGALIFS GAVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45003 | NMLYKDD FVGALIFS GAVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38313 | LNPTIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45003 | NMLYKDD FVGALIFS GAVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42487 | MRNVPEK QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45003 | NMLYKDD FVGALIFS GAVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45003 | NMLYKDD FVGALIFS GAVI | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58465 | SICSNNPT CWAICKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39398 | LSGRPAIV PDREVLVYQ EFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41571 | MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 55951 | RSRSES | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44978 | NMGLIAG AVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 59640 | SMDDEAD RYFTY | Capra hircus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 50934 | QGPHVISR IYQTAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 57306 | SDVEGLQ NDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 57306 | SDVEGLQ NDP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57306 | SDVEGLQ NDP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39324 | LSEALRIIA GTLEVHGV KPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53916 | RGLIVFHT STEPSVNY DLFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58458 | SICGNNQL CKSICKT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46258 | NTSDSQKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39788 | LTAELKIYS VIQAEINK HL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 39788 | LTAELKIYS VIQAEINK HL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 44904 | NLTQHPSA PTMP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Gallus gallus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 41480 | MFDFASG L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 50795 | QFKTTDVL WFNFTTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 47341 | PELDSFKE ELDKYFKN H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52121 | QQQPFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47730 | PGQAEP QAFIDEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 57386 | SEEGKQET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57389 | SEEKFVTM TDLVPGI | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 41449 | METMKL MMEKVD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51602 | QMCVTQY QKESQAYY DGRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51602 | QMCVTQY QKESQAYY DGRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45834 | NSHCHTH ADGEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48093 | PKKPENENK LKQPNE | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 48093 | PKKPNENK LKQPNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42308 | MPPYPTG GPPPV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 60433 | SQERNFV DSIGQSFSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51574 | QLVNSNG SWHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47420 | PESDQPD | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 56751 | SAEGQL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 56751 | SAEGQL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58417 | SHSQWNK PSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56751 | SAEGQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 54058 | RHKQKIVA PVKQTL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58417 | SHSQWNK PSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58417 | SHSQWNK PSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45422 | NPNEPSN PNEPSNP NEPS | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50525 | QDVKFPG GGQIVGG V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 44865 | NLSDAHKK NLYDHAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 50977 | QGVPESPF SRTGEGLD | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | 0 | 0 | t | 50977 | QGVPESPF SRTGEGLD | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 55924 | RSQDACIE FVQQEVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58834 | SKGCKITCF LTAAGY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 58834 | SKGCKITCF LTAAGY | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53998 | RGTLLIGQV DRLKDKV NNTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 48107 | PKNTLTPL EELYPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 54393 | RKLWCHH FC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 58834 | SKGCKITCF LTAAGY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41421 | MEQFIRAF IEIDKDN ELID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46293 | NTTVIVREI VGDTMKT TVTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44858 | NLRGDLQ VLA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58834 | SKGCKITCF LTAAGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41375 | MEILGIAIN RYNGLTLR G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 46313 | NTWEGQA ASAALGAL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38229 | LNHLKSEM EQRLRERD EELE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58404 | SHRLHNT MPSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58404 | SHRLHNT MPSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 43215 | NALTQPV DQLLK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38229 | LNHLKSEM EQRLRERD EELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 39230 | LRTQFFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38229 | LNHLKSEM EQRLRERD EELE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 37924 | LLVRMKR AELYCPRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38215 | LNFKGRW LRDRL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 58402 | SHRELWA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43215 | NALTQPV DQLLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58397 | SHQHTDS NPSAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47126 | PDKEVLYQ QYDEEMEE CSQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 37056 | LKVIRKNIV KKMIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51001 | QHGHMH GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44619 | NKVLTVQT IDNALSKR NEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 44619 | NKVLTVQT IDNALSKR NEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 44619 | NKVLTVQT IDNALSKR NEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43215 | NALTQPV DQLLK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56275 | RVEHAVVY YVYSPSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53998 | RGTLIGQV DRLKDKV NNTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44616 | NKVIWDR DWMYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 50767 | QFGRDVS DFTDSVRD PK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 46371 | NVESQPG GQPNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49928 | PVPAPRRK VGSDCGS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52441 | QSTHVDIR TLEDLLMG TLGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48136 | PKSAET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39917 | LTGKPAVI PDREILYQ QFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39183 | LRRDLAS REAKKQVE KALE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39917 | LTGKPAVI PDREILYQ QFDE | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50761 | QFGPNAG QRMPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50761 | QFGPNAG QRMPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47679 | PGIKADSL DIDIERNV VTVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50761 | QFGPNAG QRMPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58383 | SHLQLIYNL T | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38919 | LQNDPTT NVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51906 | QPQPFPP QLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44556 | NKNDNKN DNKND | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 46417 | NVLDVNAI DIEEPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 44555 | NKNDNKN D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 54688 | RLNNSKIYI NGRLIDQK PI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 56290 | RVFPRGTV ENPDKARE LLNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52085 | QQPFPQP QQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52085 | QQPFPQP QQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57569 | SENHGNY SAQVGAS Q | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLEMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 47063 | PDCAICWE PSPWPAP E | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59192 | SLINTNGS WHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLEMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39998 | LTKSGSTY PVLNVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLEMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 48669 | PNLRGDL QVLA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43190 | NAKATYEA ALKQYEAD L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 52494 | QTDEIKND NIQTDEIK NDNI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55818 | RSDYKFYE DANGTRD HKKG | Chinchill a lanigera |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51826 | QPFPQPQ LPYPQPQ | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45817 | NSGCFRHL DEREECKC LL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57575 | SENMHIDI YLYTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48668 | PNLRGDL QVL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46443 | NVPEKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45464 | NPRENKLK QPGDRAD GQPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46443 | NVPEKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46443 | NVPEKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 48168 | PKVQSLVS DFFGGKEL NKSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 58886 | SKLNESINK AMININKF LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51908 | QPQPFPS QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 56306 | RVHVSKEE QYYDYED ATFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41320 | MEECASH LPYFEQG MQLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 58886 | SKLNESINK AMININKF LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 58886 | SKLNESINK AMININKF LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48664 | PNKTACM YGGVTLH DNNRLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 58886 | SKLNESINK AMININKF LN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47045 | PCSICSNN PTCWAICK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49319 | PSDKHIEQ YLKKIENSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 58886 | SKLNESINK AMININKF LN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58886 | SKLNESINK AMININKF LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51072 | QIGNTVTP TVTFTMD GDTMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51072 | QIGNTVTP TVTFTMD GDTMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLEMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLEMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLEMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLEMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLEMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLEMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38918 | LQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57620 | SESHNFDA VMSKLGV SWATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57620 | SESHNFDA VMSKLGV SWATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 51393 | QLKLNWF KKGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 51393 | QLKLNWF KKGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60292 | SPTRAVNE LFGM | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 40110 | LTPLEELY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 55733 | RRRTQKAP KRIRLPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56885 | SAL TSAIA GFVFSC | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 44476 | NKDKLFTV WK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 48993 | PQE QITQH GSPYGRCA NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43116 | NAAGNAA GNAAGNA AG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 44474 | NKDKLFAV WK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 44474 | NKDKLFAV WK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 49772 | PTSGDKID MTPRAGV LMLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58293 | SGVLTTC GNTLTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43348 | NAYCDKLC KDKKADS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 43348 | NAYCDKLC KDKKADS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 53998 | RGTIGQV DRLDKV NNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 53839 | RGDLQVL AQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38312 | LNPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38031 | LMGYIPLV GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53839 | RGDLQVL AQK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39391 | LSGQPAVI PDREVLQ QFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39391 | LSGQPAVI PDREVLQ QFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56366 | RVNAANK KPEDLTN DLET | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47669 | PGGPDRFT LLTPGSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58252 | SGTENKPA TG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46993 | PAVIPDRE VLYQQFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43411 | NDDASVD FVAEPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 47669 | PGGPDRFT LLTPGSH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 47669 | PGGPDRFT LLTPGSH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51374 | QLINTNGS WHVN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51374 | QLINTNGS WHVN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45768 | NSARARA DSCRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58251 | SGTEEILEK VSASQEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58251 | SGTEEILEK VSASQEI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44468 | NKCKMNL QDNNGN DIGFIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 53018 | QYPALT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45491 | NPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45492 | NPTIAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40281 | LVASNWy NRQIERSS RTLg | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 40281 | LVASNWy NRQIERSS RTLg | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 40281 | LVASNWY NRQIERSS RTLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45492 | NPTIAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44468 | NKCKMNL QDNNGN DIGFIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 40281 | LVASNWY NRQIERSS RTLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50180 | PYVEPTAP QVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41218 | MDDDTERR FPTHRSLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 53326 | RDALPNTE ASGPTHSE E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45492 | NPTIAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 57692 | SEYLAHRRR PPENIRRV TRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 40281 | LVASNWY NRQIERSS RTLQ | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44468 | NKCKMNL QDNNGN DIGFIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45492 | NPTIAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40281 | LVASNWW NRQIERSS RTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43013 | MWLDVM YLKGGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44468 | NKCKMNL QDNNGN DIGFIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37315 | LLGCIGSTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 53326 | RDALPNTE ASGPTHSK E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 56657 | RYSRNAV P NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 56657 | RYSRNAV P NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 40281 | LVASNWW NRQIERSS RTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 40281 | LVASNWW NRQIERSS RTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 51125 | QIPYNLKIR AGGLDGG KKLV | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 43438 | NDFPINELI LDTDLISKI E | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56657 | RYSRNAV NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 40281 | LVASNWY NRQIERSS RTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40281 | LVASNWY NRQIERSS RTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 40281 | LVASNWY NRQIERSS RTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56657 | RYSRNAV NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 59873 | SNNVQIV RQQSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 40281 | LVASNWY NRQIERSS RTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44468 | NKCKMNL QDNNGN DIGFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44468 | NKCKMNL QDNNGN DIGFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56657 | RYSRNAV NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45492 | NPTIAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45492 | NPTIAG | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45531 | NQDPDKIL TYIAADH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 48618 | PNDPNRN VD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45531 | NQDPDKIL TYIAADH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45531 | NQDPDKIL TYIAADH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56432 | RVTTTSQA QDAAGLK EKAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56432 | RVTTTSQA QDAAGLK EKAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42416 | MQTLWDE IMDINKRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 48613 | PNDGEER QSYWF | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49015 | PQIPPNW HIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51370 | QLINSNGS WHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48606 | PNATQPEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 45532 | NQEAAKE EYEHKQKE LESVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38523 | LPHSNLDH ILEPSIPWK SK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0 | t | 58975 | SKYSNTFNI NAYNMVI RRSM | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56469 | RWAPTGA PADVTDQ L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49950 | PVRVAWS SPVQNCEP WIPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46551 | NWNFDFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42667 | MSSFLGK WKLSESH NFDAVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42667 | MSSFLGK WKLSESH NFDAVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51147 | QIVGGVYL L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 54989 | RNFTTAPA ICHEGKAY F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52967 | QYIYNLTIC | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52930 | QYIKANSK FIGITEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 52930 | QYIKANSK FIGITEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 58975 | SKYSNTFNI NAYNMVI RRSM | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 43515 | NDQGNRT TPSYVAFT DSERL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40332 | LVFFAEDV | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 52016 | QQEVDYII DHVDQHN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52016 | QQEVDYII DHVDQHN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 58975 | SKYSNTFNI NAYNMVI RRSM | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 44221 | NIETVIEFQ QKNNRLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52693 | QVETEDTK EPGVLMG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 42818 | MTKDCHL LGTFDLSGI PPAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 42802 | MTFEGAIG IDLGTTYSC VGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42441 | MQWNST TFHQTLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53545 | REKEELKR DKEGKVST LPLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53545 | REKEELKR DKEGKVST LPLD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38609 | LPNWVKV WDRATNK C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53800 | RFVKTPSK KKTCSR | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59922 | SNTFINNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38609 | LPNWVKV WDRATNK C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52910 | QYGLEKRD NGHQGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 57743 | SFDVPSKQ PTIDIDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41157 | MATTEYRL SLMEQFIR AFIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41157 | MATTEYRL SLMEQFIR AFIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59922 | SNTFINNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53800 | RFVKTPSK KKTKSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55581 | RRGPRLGV RATRKTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46899 | PAPRRKFQ QVKRL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59922 | SNTFINNA | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 57766 | SFFSYGEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 49510 | PSSLVDSL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 59881 | SNPTQGH | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 40563 | LVRMKRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59922 | SNTFINNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0 | 0 | t | 45221 | NNRAVPD KIDWRESG YVTE | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 45225 | NNRNRLT KLFYKSSR SESE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 54057 | RHKQKIVA PVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 41126 | MASLIYRQ LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 41126 | MASLIYRQ LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44218 | NIERFPNG KKYELDKY TMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37377 | LLGYKKGE GNTCVEN NNPTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 40575 | LVSEEIVTE EGSVAQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59922 | SNTFINNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59922 | SNTFINNA | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 40575 | LVSEEVTE EGSVAQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40575 | LVSEEVTE EGSVAQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59922 | SNTFINNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57784 | SFGVWIRT PPAYRPPN APIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49656 | PTIAGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40575 | LVSEEVTE EGSVAQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51958 | QPRKTKPV KSLPERK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59403 | SLPRVYVEI FGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43578 | NEDQKIGI EIIKRALKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56519 | RYDSRPPE DVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43578 | NEDQKIGI EIIKRALKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42780 | MTDVNRY RYSNNYEE QPHIS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58931 | SKQPTIDID LCDICT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36958 | LKMADPN RFRGKD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 56529 | RYETSNDN SLI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44142 | NHGNYS A QVGASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 37393 | LLHRFWHL KSIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60211 | SPQYWTG PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59231 | SLKMADP NRFRGKNL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 56534 | RYFTYE EP NDGE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 55460 | RQPD LIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36958 | LKMADP NRFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59231 | SLKMADP NRFRGKNL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 55106 | RPADKTRH KFPTNINK Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59922 | SNTFINNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 42761 | MTDVIRYR YSNNYEAS DHIS | Aotus sp. |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42429 | MQWNST AFHQTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 50660 | QENSTYAV RNSN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59231 | SLKMADP NRFRGKNL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 55106 | RPADKTRH KFPTNINK Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 56610 | RYPGQGS PGGNRYP PQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 55106 | RPADKTRH KFPTNINK Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 52870 | QY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 44117 | NGWGAPT KEESTYN WLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58052 | SGGNTNQ QR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48550 | PMERQKP LKVKAKA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 56610 | RYPGQGS PGGNRYP PQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59300 | SLLRRRRN GEDVSV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45588 | NQMDMK QIDPWIAR FDTDKD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45588 | NQMDMK QIDPWIAR FDTDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 46756 | PACYCYGL PDSVKIW | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 39110 | LRHGKLRP FERDISNV P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 53766 | RFQPFQQ FGRDVSD FDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 46756 | PACYCYGL PDSVKIW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 48409 | PLLRTQF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42429 | MQWNST AFHQTLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38203 | LNEKEIKDL YDNQSNS GIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38203 | LNEKEIKDL YDNQSNS GIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51204 | QKKNKRN TNRRPQD V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57864 | SFPMNEES PLGFSPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57864 | SFPMNEES PLGFSPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43796 | NEYGVEG GRVNAV G | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46849 | PALDKLKL TGDEATG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 46756 | PACYCYGL PDSVKIW | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 46756 | PACYCYGL PDSVKIW | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40579 | LVSFGVWI RTPPAYRP PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43798 | NEYIEKANI TTDDK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36957 | LKMADPN RFRGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 58044 | SGGAGPA GGASSGPK VEEVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38203 | LNEKEIKDL YDNQSNS GIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53998 | RGTIGQV DRLKDKV NNTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42429 | MQWNST AFHQTLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55148 | RPFERDIS NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 59896 | SNRTQGE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59326 | SLLTYMK M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 43826 | NFENAFEI AGASILFE IP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 41019 | MADPNRF RG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 41019 | MADPNRF RG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45598 | NQNSKYIN YRDLYIGE KFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 49223 | PRNNNRT RVHGDKA T | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37056 | LKVIRKNIV KKMIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 45598 | NQNSKYIN YRDLYIGE KFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 59907 | SNSLIYYAL DVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 45990 | NSSSFNTT QGWHHPS QRLLF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50636 | QELDCWH YHQYCITS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58733 | SIVDKLNR SGGNYTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56862 | SALLED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58957 | SKVEEVVE EQGSENEE | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 44018 | NGKQVES PAPSGHT HLKKPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51974 | QPTELRYS W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58957 | SKVEEVVE EQGSENEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46828 | PAIIPDREV LYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42699 | MSTNPKP QRKTKRNT NRRPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40636 | LVVNRLRG SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 53633 | RESNGETK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60450 | SQHLPYIE QGMMMLA EQFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59374 | SLNTGWL AGLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 39092 | LRGDLQVL AQKVARTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39092 | LRGDLQVL AQKVARTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55335 | RPSAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 54002 | RGTSMD EADRY | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41012 | MACMSA DLEVVTST | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 51979 | QPTQMSA QEDLGDD TGIHVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | 0 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 39092 | LRGDLQVL AQKVARTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 43893 | NFNGLTGT GVLT PSSK R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39092 | LRGDLQVL AQKVARTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 48479 | PLSLRSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 51233 | QKPLK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56583 | RYLQEKYN LYNSDVFD GKVQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 52196 | QRDTLSTQ KETLEREV QN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 56602 | RYNRNAV PNLRGDL QVLAQK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 56602 | RYNRNAV PNLRGDL QVLAQK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 51233 | QKPLK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44747 | NLINTNGS WHIN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 51233 | QKPLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51233 | QKPLK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 51233 | QKPLK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 51233 | QKPLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 39092 | LRGDLQVL AQKVARTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 46792 | PAFGANS NNPDWDF NP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56862 | SALLED | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 58950 | SKTNIFWA GDLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49893 | PVKKPVAL KVKAKN | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 39090 | LRGDLQVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 56587 | RYLSQLCS GGYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50070 | PYCWHYP PKPCGIVP A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46804 | PAGFCDG YCKTHLKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55304 | RPQPTEL RY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 55952 | RSRSESS IE SF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYF NSIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11208 | EAVEAER A GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32595 | KNQIQL FN LESSK IEVIL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 33198 | KRNEKW D EVYKY IVT NWLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30716 | KFDWNT PD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 26178 | IFVEEVSAS QEIVQNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24012 | HH PSTNQ EQTSLYVQ AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 26178 | IFVEEVSAS QEIVQNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYF NSIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYF NSIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYF NSIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYF NSIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYF NSIS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32783 | KPLDKFG NIYDYHYE H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32783 | KPLDKFG NIYDYHYE H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32783 | KPLDKFG NIYDYHYE H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32783 | KPLDKFG NIYDYHYE H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32783 | KPLDKFG NIYDYHYE H | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 30716 | KFDWNTPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 13471 | ENFSTSFWIRIPKYFNIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 31439 | KITCFLTAAGYCNETE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13471 | ENFSTSFWIRIPKYFNIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13471 | ENFSTSFWIRIPKYFNIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32159 | KLSEGDLLAEIETDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19006 | GDINKVLE KLGYSGGD LLG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32159 | KLSEGDLLAEIETDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19006 | GDINKVLE KLGYSGGD LLG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13471 | ENFSTSFWIRIPKYFNIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 13471 | ENFSTSFWIRIPKYFNIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13471 | ENFSTSFWIRIPKYFNIS | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 13438 | ENANANN AV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYF NSIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYF NSIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19006 | GDINKVLE KLGYSGG DLLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 16058 | FGSKSPFF RKYF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29757 | KAAPKRAA PKRAAPKK AAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14953 | EWSPCSVT CGNGIQV RIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29758 | KAAQIYSE P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22074 | GRIILSGKP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31116 | KHIDAYKT FPPTPEPKK DKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 21408 | GNDYEDR YYRENMY RYPNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNF | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 12315 | EGYPADSK GCKITCF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 12315 | EGYPADSK GCKITCF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 12315 | EGYPADSK GCKITCF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 12315 | EGYPADSK GCKITCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 12315 | EGYPADSK GCKITCF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 12315 | EGYPADSK GCKITCF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23269 | GWLAGLF YQHKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21408 | GNDYEDR YYRENMY RYPNQ | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20719 | GKVSLEEF CRGFGLKV WEVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32159 | KLSEGDLL AEIETDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20719 | GKVSLEEF CRGFGLKV WEVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36781 | LIYNLTLC | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 26220 | IGFIGFHQ FNNIAKLV ASN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 26220 | IGFIGFHQ FNNIAKLV ASN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 26220 | IGFIGFHQ FNNIAKLV ASN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 26220 | IGFIGFHQ FNNIAKLV ASN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 26220 | IGFIGFHQ FNNIAKLV ASN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 26220 | IGFIGFHQ FNNIAKLV ASN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYF NSIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYF NSIS | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 21408 | GNDYEDR YYRENMY RYPNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 13471 | ENFSTSFW IRIPKYFNSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25181 | HYMKCPL VKGQQYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 35234 | LDNIKDNV GKMEDIYK KNKT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28165 | IQIIAATMS KAKQYNIC CKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 20726 | GKVYLVG GPELGGW K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 20726 | GKVYLVG GPELGGW K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20726 | GKVYLVG GPELGGW K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 31439 | KITCFLTAA GYCNTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23269 | GWLAGLF YQHKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34986 | LATRLMKK FKAEIRDFF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32769 | KPKHKKLK QPGDGNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14695 | EVFLISED L KTPINITNS NS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19006 | GDINKVLE KLGYSGGD LLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 31439 | KITCFLTAA GYCNTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 22028 | GRFDEAM QDQIRQLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 18524 | GAARQPD | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 31439 | KITCFLTA A GYCNTE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32769 | KPKHKKLK QPGDGNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32769 | KPKHKKLK QPGDGNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 36659 | LIPLLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 22015 | GREGYPA DSKGCKIT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 22015 | GREGYPA DSKGCKIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 22015 | GREGYPA DSKGCKIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11740 | EELDKYFK NHTSPDV DL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 22015 | GREGYPA DSKGCKIT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 22015 | GREGYPA DSKGCKIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22015 | GREGYPA DSKGCKIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 22015 | GREGYPA DSKGCKIT | Ovis aries |

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|---|------|---|---|---|--------|---|---|---|---|-------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 22015 | GREGYPADSKGCKIT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGGMPGGMPGGMNF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 14730 | EVILKNAIVYNSMYENFST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 32595 | KNQIQLFNLESSKIEVILK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19928 | GGMPGGMPGGMPGGMNF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34621 | KYVDNQRLLSTFTEYIKNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32595 | KNQIQLFNLESSKIEVILK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 10801 | DWEDRYRE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32571 | KNNNSTNSGI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32738 | KPIVQYDNF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14686 | EVETPIRN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34621 | KYVDNQRLLSTFTEYIKNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14686 | EVETPIRN | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14686 | EVETPIRN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24878 | HSWYNDL LVDFDSKD IVDKY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 12345 | EHKYSWK S | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 27932 | IPLLRTQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 26244 | IGILGGK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 26046 | IFDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22305 | GSDYEDRY YRENMHR YPNQ | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 34391 | KYEEDDKA QRDRVEA KNGLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21972 | GQVSIGDE NSA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27997 | IPQPQWT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 26167 | IFSQNMNI KLKMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21956 | GQSFQNT WEGQAAS A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 31695 | KKSDFFSF EDSD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 14670 | EVDNEQP TTRAQKLF A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 14670 | EVDNEQP TTRAQKLF A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 27997 | IPQPQWT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14670 | EVDNEQP TTRAQKLF A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 14670 | EVDNEQP TTRAQKLF A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 14670 | EVDNEQP TTRAQKLF A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32316 | KMGDYGE VTVECEPR SGLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 14670 | EVDNEQP TTRAQKLF A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 14670 | EVDNEQP TTRAQKLF A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32316 | KMGDYGE VTVECEPR SGLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32316 | KMGDYGE VTVECEPR SGLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32316 | KMGDYGE VTVECEPR SGLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 18105 | FTYEPPND GEER | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32316 | KMGDYGE VTVECEPR SGLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27308 | ILSALEIPD VGNLSQV VVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 27308 | ILSALEIPD VGNLSQV VVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30677 | KEYLDKVR ATVGTEW TPCSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 20562 | GKFLEGA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 27308 | ILSALEIPD VGNLSQV VVM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11438 | EDSGSNG KKITCECTK PDS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 18527 | GAASSYFE YVDTYG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 12208 | EGKVSTLP LDIQIIAAT MSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30476 | KEKMILNE EEITTKG | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 12208 | EGKVSTLP LDIQIAAT MSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21928 | GQPAVRN ERATGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 14636 | EVCVRQLK AIANK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19006 | GDINKVLE KLGYSGGD LLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13471 | ENFSTSF WIRIPKYFNSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23051 | GVLTPSSK RFQPFQQ FG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 26046 | IFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 24842 | HSQWNKP SKPKTNM K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 14636 | EVCVRQLK AIANK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 31383 | KIPDPPQP DFPQLNSD WVPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23051 | GVLTPSSK RFQPFQQ FG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 26167 | IFSQNMNI KLKMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23051 | GVLTPSSK RFQPFQQ FG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14636 | EVCVRQLK AIANK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14636 | EVCVRQLK AIANK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14636 | EVCVRQLK AIANK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 31439 | KITCFLTAA GYCNTE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11448 | EDTKEPGV LMGGQSE S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23090 | GVPDHIKV WDYATNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19006 | GDINKVLE KLGYSGGD LLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35402 | LEDPVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.019 | 0 | 0 | 0 | t | 34335 | KWVNGRE I | Macaca fuscata |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20838 | GLFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 36045 | LGAARGYT FGAC | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34335 | KWVNGRE I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19006 | GDINKVLE KLGYSGGD LLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 30093 | KCTSDQDE QFIPKGCS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13425 | EMVIITFKS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 30093 | KCTSDQDE QFIPKGCS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36931 | LKLAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25140 | HWSYGLR PG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 30093 | KCTSDQDE QFIPKGCS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30093 | KCTSDQDE QFIPKGCS K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30093 | KCTSDQDE QFIPKGCS K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19504 | GFCDGYCK THLKASS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 20838 | GLFGAIAG FIE | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20838 | GLFGAIAG FIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20838 | GLFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28537 | ISIKYDPRK DSEVFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 28537 | ISIKYDPRK DSEVFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29936 | KARRPEGR TWAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21881 | GQHGGM HG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18084 | FTTKVIGK DSRDFDIS PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34897 | LAPEDPED SALLEDPV GTVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13527 | ENMYRYP NQVYYRP VDQYSN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17539 | FQTAAQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33859 | KTSESRQPRGRRQPIPKARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24786 | HSLGKWL GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 10757 | DVTTLN | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24786 | HSLGKWL GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 10757 | DVTTLN | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27725 | INQDPDKI LTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27725 | INQDPDKI LTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27725 | INQDPDKI LTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27725 | INQDPDKI LTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27725 | INQDPDKI LTY | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27725 | INQDPDKI LTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27725 | INQDPDKI LTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27725 | INQDPDKI LTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23315 | GYCKTHLK ASSGYCA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 10757 | DVTTLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33450 | KSNAATSY INAIINSKS VSD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 10757 | DVTTLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23169 | GVTHDQL NNFR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22312 | GSENKRTG ALGNLKN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18054 | FTQEVSR NINLHFSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13243 | ELQVIDKV DAAFKVA ATAAN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23511 | GYYYPSDP NTFYAPPY S | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32716 | KPGGGW NTGGSRYP GQGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 36072 | LGDDTGIH VIPTLNGD DRHK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 12138 | EGCNGDG TSYKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34897 | LAPEDPED SALLEDPV GTVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23511 | GYYYPSDP NTFYAPPY S | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 18951 | GDDMDPE LRGLAQA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15056 | EYLNKIQN SLSTEWSP CSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 16769 | FLMHAPA FETAGTYL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 18885 | GCKITCFLT AAGYCN | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23520 | HADQLTP AWRIYSTG NN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.013 | 0 | 0 | 0 | t | 19096 | GDRADGQ PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19005 | GDINKVLE KLGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 31566 | KKICKMEK CSSVFNV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 18885 | GCKITCFLT AAGYCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 24730 | HSDHAESS WVNRGES SRKAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35036 | LCAEYHNT QIHTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 18885 | GCKITCFLT AAGYCN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.019 | 0 | 0 | 0 | t | 21851 | GQCKWV NGREICND RDRPTA | Macaca fuscata |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 18885 | GCKITCFLT AAGYCN | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 26382 | IHIGPGRA FYTT | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 26382 | IHIGPGRA FYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 16832 | FLPSDFFPS I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 10975 | DYVKKVN KATEAAM FLGWV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21841 | GPYAGPM ERQKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34295 | KWFKTNA PNGVDEKI RI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34295 | KWFKTNA PNGVDEKI RI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20674 | GKREMVII TF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19005 | GDINKVLE KLGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34295 | KWFKTNA PNGVDEKI RI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34897 | LAPEDPED SALLEDPV GTVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21840 | GPYAGPLE RQKPLK | Bos taurus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13243 | ELQVIDKV DAAFKVA ATAAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20046 | GGTEESVV TASRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQFEFH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 12115 | EGAARQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 10975 | DYVKKVN KATEAAM FLGWV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 10975 | DYVKKVN KATEAAM FLGWV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 31554 | KKGSSGYC AWPACYC | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 30767 | KFLEGAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36931 | LKLAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 31554 | KKGSSGYC AWPACYC | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 10975 | DYVKKVN KATEAAM FLGWV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33562 | KSVVTKDS ESKITQTQ KDSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34295 | KWFKTNA PNGVDEKI RI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 19833 | GGGGWG QGGSHSQ WNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 19833 | GGGGWG QGGSHSQ WNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36931 | LKLAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWL A | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 21838 | GPWSPIDI HHLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34295 | KWFKTNA PNGVDEKI RI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34295 | KWFKTNA PNGVDEKI RI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19005 | GDINKVLE KLGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32037 | KLNDLCFS NVYADSFV V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 24706 | HRRTKAP KRIRLPHIR | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23594 | HCHTHAD GEVHC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19005 | GDINKVLE KLGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19005 | GDINKVLE KLGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDYIK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23599 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13243 | ELQVIDKV DAAFKVA ATAAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 35341 | LDYSPAFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19005 | GDINKVLE KLGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22357 | GSGVRGD FG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20143 | GHIELGGK PAIVPDKE VLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 12208 | EGKVSTLP LDIQIIAAT MSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11150 | EANSKLAA LEKLNKELE ESK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17470 | FQEPFWLE DG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 16907 | FLTAAGYC NTECTLK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29756 | KAANYQY NYLRDGE QVTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29138 | ITVNPIVTE KDSPVNIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 11273 | ECTLKKG SGYCAWP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35050 | LCENPEW APLKDNRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 11273 | ECTLKKG SGYCAWP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17470 | FQEPFWLE DG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 26444 | IICDLSFVT RRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22359 | GSGVRGD FGSLAPRV ARQL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11543 | EEDEREISV PAEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 35329 | LDVTTLNP TI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 14447 | ETKRKGDG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19098 | GDRADGQ PAGDRAD GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11813 | EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 35329 | LDVTTLNP TI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 22949 | GVELNDK NQFKLTSS ANSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29160 | ITYGACPR YVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29160 | ITYGACPR YVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29160 | ITYGACPR YVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11815 | EENVEENV EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 32454 | KNAETNPK GKGEVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 14436 | ETKAVYPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19005 | GDINKVLE KLGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24651 | HQTLQDP RVRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 15281 | FASRGTS MDDEA | Capra hircus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21763 | GPRLQPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21763 | GPRLQPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33440 | KSMKVTV AFNQFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21760 | GPRLGVRA TRKTSERS QPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13688 | EPLEPFPT QIHKDYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 27100 | ILIEMFNKY NSEILNNII L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33126 | KREMVITF K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13243 | ELQVIDKV DAAFKVA ATAAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 28278 | IREDDQPS SHQPLFY | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14808 | EVLYLKPLA GVYRSLKK QLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10902 | DYINRWIF VTITNNRL NNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14808 | EVLYLKPLA GVYRSLKK QLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14808 | EVLYLKPLA GVYRSLKK QLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13391 | EMLAAER PRGVFNR QLVLGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 13719 | EPNDGEER QSYW | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11216 | EAVRRHA RAYNATVI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21750 | GPRFLAAS V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10381 | DTKEPGVL MGGQSESV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21373 | GNAEKYD KMDEPQH YGKS | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 31373 | KINSLS | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 36940 | LKLKSIVS WAKKVL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 25315 | IAIGGAAT GIAAVLTD GNPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21014 | GLLQQATR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20012 | GGSGGSV ASGGSVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13243 | ELQVIDKV DAAFKVA ATAAN | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21373 | GNAEKYD KMDEPQH YGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23178 | GVTAPDT RPAPGSTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 10902 | DYINRWIF VTITNNRL NNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 13975 | EREDERTL TKEYEDIVL K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 14905 | EVWREEA YHAADIKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17136 | FNCLGMS SRDFIEGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 22870 | GTVAPQIP PNWHIPSI QD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 17140 | FNDSQRQ ATKDAGTI AGLEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32480 | KNESKYSN TFINNAYN MSIR | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13471 | ENFSTSFW IRIPKYFNSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28749 | ISTLIKQKL DGLKNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 15334 | FCLFFAFSV AAP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 36579 | LIKNQCVN FNFNGLTG T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 36940 | LKLKSIVS WAKKVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 21715 | GPNNSEAI PALTAAE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11927 | EEVVGE EK LVSEEIVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11927 | EEVVGE EK LVSEEIVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 10902 | DYINRWIF VTITNNRL NNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36940 | LKLKSIVS WAKKVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11571 | EEEDDDM GFGFLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11571 | EEEDDDM GFGFLD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11571 | EEEDDDM GFGFLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 22835 | GTSMDDE ADRYF | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 35310 | LDTNGGT GTAIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14084 | ERTLPGQK ACDDVN | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 11241 | ECFPWDR KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29248 | IVEEDAPA TEEIDEIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29875 | KALRENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14409 | ETHVTGGS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 34965 | LASLRKAF ADTVVPRP PSNY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 12514 | EILVEFEEP HATKQS | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 34217 | KVTLADAG FMKQYGE CL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14899 | EVVLQNR RGLDLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 10902 | DYINRWIF VTITNNRL NNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13775 | EPTPNAYY EGVFCSSS S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 32502 | KNGLENYA YSMKNTLS DSNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13775 | EPTPNAYY EGVFCSSS S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13775 | EPTPNAYY EGVFCSSS S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13775 | EPTPNAYY EGVFCSSS S | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20046 | GGTEESVV TASRS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18970 | GDEVRLA NDLKAFD SEYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 24037 | HIDSQKKA IERMK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21625 | GPFYTSAP Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13775 | EPTPNAYY EGVFCSS S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25595 | IDKDNNEL IDKQELTK YCQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25595 | IDKDNNEL IDKQELTK YCQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15356 | FCVQPEKG GRKPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21617 | GPFFLSPTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 12792 | EKLCVWN NKTPHAIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 28075 | IPSTAFTDI AWVRLPN HY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17234 | FNSISLNN EYTIINCM ENN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17234 | FNSISLNN EYTIINCM ENN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 20455 | GITGETTTT EYSNARYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 25421 | IASGLSQE RNFVDSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 31365 | KINIGSKV NFPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11729 | EEKNNINF NIDDLSSKL NE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 29278 | IVGAGDSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 19520 | GFFGAIAG FIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 28105 | IPVLGTFAL VSYIANKV LT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11872 | EESDDDM GFGFLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 19520 | GFFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.037 | 0 | 0 | 0 | t | 12794 | EKLIEDDE NSQC | Papio cynocep halus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11872 | EESDDDM GFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21059 | GLPDSVKI WTSETNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 21059 | GLPDSVKI WTSETNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 21059 | GLPDSVKI WTSETNK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19639 | GFTWTGV TQNG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 31504 | KKDGYPVE YDNCAIYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21059 | GLPDSVKI WTSETNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21059 | GLPDSVKI WTSETNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21059 | GLPDSVKI WTSETNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 12794 | EKLIEDDE NSQC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21059 | GLPDSVKI WTSETNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 21059 | GLPDSVKI WTSETNK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 28105 | IPVLGTFAL VSYIANKV LT | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21469 | GNLLLSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 28375 | IRQLESIVDKLNRSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28105 | IPVLGTFALVSYIANKVLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31502 | KKDGKKAEKPNPRENKLDQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 15383 | FDFASGLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 19520 | GFFGAIAGFIE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21602 | GPEETGPEETGPEET | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.037 | 0 | 0 | 0 | t | 12794 | EKLIEDDENSC | Papio cynocephalus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 12375 | EHWSYGLRPG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0 | t | 26076 | IFGVDANTGNVL | unidentified |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 25587 | IDIDLCDICTNTMDV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15417 | FDKVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 28105 | IPVLGTFALVSYIANKVLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11081 | EAIPALTA VETGHTSQV | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 22756 | GTLVRMA PVIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22755 | GTLVKTIT DDQIEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30036 | KAYSNCYP YDVPDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28719 | ISSIFSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 31383 | KIPDPPQP DFPQLNSD WVPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28105 | IPVLGTFAL VSYIANKV LT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19637 | GFTTNEPR YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 28105 | IPVLGTFAL VSYIANKV LT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 32662 | KPATGEAP SQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 11870 | EERYKIQSY SEYLKDFW GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0 | t | 29852 | KALENKKK QLSAGGK NLS | Pan troglody tes |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | 0 | 0 | t | 29852 | KALENKKK QLSAGGK NLS | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13834 | EQGSENEE IFVEEVSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 13834 | EQGSENEE IFVEEVSA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22562 | GSVNSFFS R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 10902 | DYINRWIF VTITNNRL NNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 12375 | EHWSYGL RPG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34197 | KVSASQEI VQDGSVT E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22562 | GSVNSFFS R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19275 | GEGAVQ WMNRLIA FASRGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 21553 | GNVNYKY RYLRHGKL RPFER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 21553 | GNVNYKY RYLRHGKL RPFER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 21553 | GNVNYKY RYLRHGKL RPFER | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 10551 | DVDGINY WTKAITG GGEFTD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10902 | DYINRWIF VTITNNRL NNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14261 | ESRRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 26829 | IKKMLAD QTVEEHIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 28105 | IPVLGTFAL VSYIANKV LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 31330 | KILPEVKEK HEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33440 | KSMKVTV AFNQFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 17308 | FPIDSSCN ATQY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11821 | EENVEHD AEENVEH DA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 28322 | IRIPKYKND GIQNYIHN EY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11821 | EENVEHD AEENVEH DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11652 | EEGPVDEE IVQEEGTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30036 | KAYSNCYP YDVPDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 26849 | IKMVSSLK TKIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 26849 | IKMVSSLK TKIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 29409 | IVQEEGTV TEEIIQGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 29409 | IVQEEGTV TEEIIQGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29409 | IVQEEGTV TEEIIQGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29409 | IVQEEGTV TEEIIQGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14261 | ESRRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14261 | ESRRAL | Homo sapiens |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23920 | HGKVVD VDRAKEA AK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.037 | 0 | 0 | 0 | t | 13871 | EQLIEK LIEDDKNSQ | Papio cynocep halus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 28105 | IPVLGT FALVSYIANKV LT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYIK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 33267 | KSAETI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17326 | FPLDIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 28322 | IRIPKYKND GIQNYIHN EY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 33267 | KSAETI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 28322 | IRIPKYKND GIQNYIHN EY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13267 | ELRYSWKT WGKAKML STELH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15468 | FDTGAFDP DWPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 33166 | KRIRLPHIR EDDQPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 34612 | KYTMFH YLRAQEF EHGKSR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15468 | FDTGAFDP DWPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11661 | EEGSVAQE IVEEDAPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11661 | EEGSVAQE IVEEDAPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 17629 | FRPSQQN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 30150 | KDGDTTN R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 13899 | EQPTTRA Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 28353 | IRPAGFCD GYCKTHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31813 | KLEEQNKI SEASRKGL RR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 13900 | EQPTTRA QKLFAMW RI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27416 | ILYAVFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24249 | HLLRLSEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28353 | IRPAGFCD GYCKTHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 26870 | IKPGSANK PKDEL DYE NDIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 26870 | IKPGSANK PKDEL DYE NDIE | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 13901 | EQPTTRV Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 26870 | IKPGSANK PKDEL DYE NDIE | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 13901 | EQPTTRV Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 11800 | EENISLDLI QQYYLT FN FD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 25527 | ICWNYDN AYCDKLCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 13901 | EQPTTRV Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30386 | KEFSEVEG RIQDLEKY V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15511 | FEDVNGIR RP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20451 | GISYYEVL AKYKDDLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 27395 | ILVEGSVTE EVVGEEK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 20451 | GISYYEKVL AKYKDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 20451 | GISYYEKVL AKYKDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 12375 | EHWSYGL RPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYIK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 11800 | EENISLDLI QQYYLTFFN FD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYIK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 10975 | DYVKKVN KATEAAM FLGWV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQFEFH GKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 11800 | EENISLDLI QQYYLTFFN FD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 25807 | IEFQQKNN RLLEITREF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 25527 | ICWNYDN AYCDKLCK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDYIK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10902 | DYINRWIF VTITNNRL NNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDYIK KNNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 19318 | GEKFIIRRK SNSQSIND DI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 28676 | ISQAVHAA HAEINEAG R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31069 | KGTFDPLQ EPRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDYIK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25093 | HVSPRHYV PESEPAAR VTQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 25527 | ICWNYDN AYCDKLCK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDYIK KNNK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19533 | GFGLKVV EVRREKEE LKRDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19533 | GFGLKVV EVRREKEE LKRDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 10436 | DTNSVYEP YYHSDHAE SSWV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 25527 | ICWNYDN AYCDKLCK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 30062 | KCKNDGW AGYWR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 11800 | EENISLDLI QQYYLTFN FD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 26909 | IKSTIRIYFK PKHVK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30504 | KELLDKTS RTGDEVR ALAND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 25527 | ICWNYDN AYCDKLCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 34612 | KYTMFHYL RAQFEH GKSR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 13913 | EQQSDLE QERLAKEK LQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 32886 | KPSTGAG | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31451 | KITQTQKD SKNTTVIV REIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30419 | KEGYAMD HEGCKFSC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11723 | EEKKVPINL WLDGKQN TVPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYIK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31451 | KITQTQKD SKNTTVIV REIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31451 | KITQTQKD SKNTTVIV REIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35235 | LDNIKGNV GKMEDIYIK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 17642 | FRRYQEER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 7097 | CSVSYLMK KMIPLAVE KLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 8448 | DGNCEDIP HVNEFSAI DL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 9516 | DNNLVSG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 8448 | DGNCEDIP HVNEFSAI DL | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|---|---|------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8448 | DGNCEDIP HVNEFSAI DL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANEAA DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9216 | DLNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8448 | DGNCEDIP HVNEFSAI DL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9755 | DPRVRGLY FPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANEAA DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9723 | DPPPPNP NDPPPPNP PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANPN NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 279 | AALGDSLY GAASLNDF GILA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7394 | CYKKVWA DHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANEAE DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3619 | APKKAVKK AVKAACK AVKKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7812 | DDKLRME TCFQQAC K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 8439 | DGLRAQD DYNGWDI NTPAF | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 1402 | AFSVAAPV TVTR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7381 | CYGVDPHI KVWDYAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7381 | CYGVDPHI KVWDYAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 9106 | DLGSIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 5683 | AWPACYC YGLPDSVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 2053 | AIPTNFSISI TTEVMPV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 8355 | DGAVQPD GG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9516 | DNNLVSG P | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7100 | CSVTCGVG VRVRSRV NA | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 8356 | DGAVQPD GGQPAVR NERA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 8356 | DGAVQPD GGQPAVR NERA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 7375 | CYGLPDSV KIWTSET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 7375 | CYGLPDSV KIWTSET | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7375 | CYGLPDSV KIWTSET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 7375 | CYGLPDSV KIWTSET | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7374 | CYGLPDSE PTKTNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7374 | CYGLPDSE PTKTNGK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7374 | CYGLPDSE PTKTNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9754 | DPRVRGLY F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9944 | DRADGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9944 | DRADGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 5683 | AWPACYC YGLPDSVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 5683 | AWPACYC YGLPDSVK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 9863 | DQKPISNL GNIHASN NIMF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 9863 | DQKPISNL GNIHASN NIMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 9863 | DQKPISNL GNIHASN NIMF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7064 | CSQNPLAE LKCSVKSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7348 | CYCYGLPD SVKIWTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7348 | CYCYGLPD SVKIWTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 7348 | CYCYGLPD SVKIWTS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 7348 | CYCYGLPD SVKIWTS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 7348 | CYCYGLPD SVKIWTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7347 | CYCYGLPD SEPTKTN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 7347 | CYCYGLPD SEPTKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANEAA DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 346 | AAPANDK FTVFEEAF NDAIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9944 | DRADGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 8464 | DGNPPEV KSVGLGN VNGVTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3493 | APAVKYTV FETALKKAI TAM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9944 | DRADGQP AGDRADG QPAGDR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9759 | DPRVRGLY LPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9944 | DRADGQP AGDRADG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9759 | DPRVRGLY LPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9944 | DRADGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7849 | DDPPATVY RYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 5683 | AWPACYC YGLPDSVK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 570 | ACKRGP GS GFFSRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 952 | AEGQLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9759 | DPRVRGLY LPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7629 | DARSVNG EFPRHVKL KNEIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANE A DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6670 | CMTTAQG TSMYPSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 346 | AAPANDK FTVFEEAF NDAIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6020 | CAQQWPE WYPC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6343 | CGRVCLRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 874 | AEEDRKRR EEADVRN QAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7851 | DDPPATVY RYDSRPPE DV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 6742 | CNYSKFW YLEHAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.016 | 0 | 0 | 0 | t | 6742 | CNYSKFW YLEHAK | Macaca mulatta |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2271 | AKQYNICC KFKELLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 3528 | APEDQSPE TRRLDRL SR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANE DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 874 | AEEDRKRR EEADVRN QAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3656 | APMSTPS ATSVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 3528 | APEDQSPE TRRLDRL SR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 1330 | AFKGGNG AKKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 5853 | AYKSAEGA TPEAKYDD YVAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 960 | AEHARDH TLRFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 6742 | CNYSKFW YLEHAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7461 | DAADL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 89 | AADKPTLD IRMMNIE A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 89 | AADKPTLD IRMMNIE A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 89 | AADKPTLD IRMMNIE A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7134 | CTEKFTFSK NPADTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1523 | AGGGQGP QNEGANA PNEDSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7134 | CTEKFTFSK NPADTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7134 | CTEKFTFSK NPADTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3289 | ANGAGNQ PGANGAG GQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3289 | ANGAGNQ PGANGAG GQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 6249 | CFPYCYP ESA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9759 | DPRVRGL LPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 8130 | DEQDYQIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 6332 | CGPKLST LIKNQCV NF | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7768 | DDEIYGND GHP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7682 | DAWREGE EFVVEFDL PGIKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8273 | DFGSLAPR VA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANE DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 874 | AEEDRKRR EEADVRN QAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 6106 | CDICTNTM DVIKKML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 5925 | AYSNCYPY DVPDYASL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1265 | AFASRGN HVSPTHYV PESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 7313 | CVTIMTVD NPASTTNK DK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 5925 | AYSNCYPY DVPDYASL R | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIHW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIHW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIHW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1453 | AGARRGD LAHLAAAH ARHLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 1731 | AGYCNTEC TLKKGSS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 1731 | AGYCNTEC TLKKGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1453 | AGARRGD LAHLAAAH ARHLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIHW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 6015 | CAPESIEFP VSEARVLE D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 3959 | AQFDQIAS GLSQERN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7851 | DDPPATVY RYDSRPPE DV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 4749 | ASRGTSMD DEAD | Capra hircus |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 6104 | CDGYCKT HLKASSGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6104 | CDGYCKT HLKASSGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7850 | DDPPATVY RYDSRPPE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6487 | CKIPFEIM DLEKRHVL GRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8637 | DIETPRAG KKESTVMT SGSA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 9557 | DNTVRET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9557 | DNTVRET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9463 | DNGKAIYE RARERALQ ELGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 10067 | DRYFTYEE PNDG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6496 | CKKNMEG KVLLENL EYTIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1261 | AFASRGN HVAPTHY VVESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 4224 | ARQPDLI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNPNDPPPPNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9463 | DNGKAIYERARERALQELGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 307 | AALVSGTAGWTFGAG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNPNDPPPPNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9759 | DPRVRGLYLPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4528 | ASLKDALLKYIYDNRGTLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9759 | DPRVRGLYLPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8887 | DKIDWRESGYVTELKDQGNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATPAGELQVIDKVDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8050 | DEKTSDGRSVKSVVTKDSES | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNPNDPPPPNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4733 | ASRAALIEEGQRIAEMLKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8076 | DEKLDQMEED | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANEADYQAKLTAYQTE | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 8265 | DDFNLNQE WRVYTYK YFKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 9557 | DNTVRET | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6329 | CGPFFLAA SVC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 770 | ADSKGCKI TCFLTAA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8916 | DKKTEETT LLEDRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 770 | ADSKGCKI TCFLTAA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 8505 | DGTSYKKS DFSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9598 | DPAPPNA NDPAPPN AND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 6832 | CPRPPRAV AYYGPGV DYK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6501 | CKLSQGAP DSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8132 | DEQFIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 481 | AAVDSSKA ALTSKLDA AYKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 4681 | ASPTGYD WRADW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 2609 | ALHQUALQ DPRVRGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 9886 | DQPKQYE QHLDYKE IKEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 766 | ADRYFTYE EPND | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2609 | ALHQUALQ DPRVRGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 2609 | ALHQUALQ DPRVRGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 2609 | ALHQUALQ DPRVRGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2609 | ALHQUALQ DPRVRGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 4774 | ASSHRALA RLRTACER AKRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1656 | AGQRMPR ARYGLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7249 | CVCRCRST MSLQKTV EKLFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 3528 | APEDQSPE TRRLDLRL SR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1656 | AGQRMPR ARYGLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 7901 | DEADRYFT YEEP | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANE DYQAKLT AQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6210 | CEYNVFH NKTFELP RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 7850 | DDPPATVY RYDSRPE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 8066 | DELEAETQ NVYAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 3379 | ANPNENP NANPNAN PNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6276 | CGAVIDDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 9524 | DNPASTT NKDK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7789 | DDGSIYKL TGIWLSKT SADS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9753 | DPRVRGLY | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4331 | ASARGDLA HLTTTHAR HLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 757 | ADQTVEE HIGYLVKY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 741 | ADPNRFR GKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4792 | ASTGGAY QSYKFIPAL EAAV | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 2550 | ALGALGRF DEAMQD Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3862 | APTHYVTE SDASQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9258 | DLQVLAQ KVA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 6530 | CKTHLKAS SGYCAWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7836 | DDNGTEE WRCLLG YKKGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 8424 | DGKSVKLE | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9756 | DPRVRGLY FPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 7771 | DDFHTDE DKLDTNSV YEPYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8773 | DIRTLEDLL MGTLGIVC PIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 7761 | DDEADRYF TYEE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 8575 | DHTLRFGS KSPF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 895 | AEEVKATP AGELQVID KVDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANEAA DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 8066 | DELEAETQ NVYAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8832 | DKAAAICF RNSMDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 8066 | DELEAETQ NVYAA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Rattus norvegic us |

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|---|------|---|---|---|--------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 9956 | DRCTTFDD VQAPNYT QH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 6412 | CIEFVQQE VDYIIDH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3221 | ANAANEAA DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7756 | DDDMGFG LFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 416 | AARQPDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 5609 | AVVYNNE GTNVELG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4792 | ASTGGAY QSYKFIPAL EAAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 346 | AAPANDK FTVFEEAF NDAIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 3900 | APVTVTRF VNAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 751 | ADPVTTEG DYVVKISEF YGR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 5582 | AVTRGTIN DPQRAKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 5582 | AVTRGTIN DPQRAKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 742 | ADPNRFR GKNLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8888 | DKIDWRES GYVTEVKD QGNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7745 | DDASVDF VAEPVKLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9694 | DPNANPN VDPNANP NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114869 | KDVLVCNK DL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103143 | EMIEAVGY RSWPRYF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115275 | GTWYSLA MAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.029 | 0.031 | t | 26317 | IGRGNFGE VFSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.012 | t | 52157 | QQTFPQP QQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.009 | 0.011 | t | 79123 | YEVNRVSG VYHVTND CS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.011 | -0.012 | t | 25084 | HVRVRPYK EKPIQNQA KSVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.024 | 0.023 | 0.02 | t | 68987 | VIIEQSWG SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.021 | 0.013 | 0.008 | t | 60396 | SQCKLGSV DLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.012 | -0.01 | -0.011 | t | 139686 | ANIREEMR RLQRRKQL CF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.023 | t | 7005 | CSGPPTIR GQFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.038 | 0.04 | t | 119506 | PIVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.021 | -0.02 | t | 111164 | CPPDVIPK VEGTTIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.041 | 0.043 | 0.05 | t | 136006 | VETGHTSQ VTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | 0 | t | 71506 | VTSTLTSLF RPGASQKI QL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 130474 | ECLLLSKYC MPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 130474 | ECLLLSKYC MPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.033 | 0.031 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.02 | 0.02 | 0.02 | t | 123392 | KRKPKSQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0 | 0.002 | t | 20451 | GISYYEKVL AKYKDDLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.016 | 0 | 0.002 | t | 20451 | GISYYEKVL AKYKDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.016 | 0 | 0.002 | t | 20451 | GISYYEKVL AKYKDDLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.004 | -0.01 | -0.01 | -0.01 | t | 134197 | PVFPTAEQ FRRM | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.018 | 0.009 | 0.008 | t | 64049 | THLKASSG YCAWPAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 21893 | GQIVGGV Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.001 | 0 | t | 59761 | SMT PQAV LAFVALIPP T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79641 | SGIAVNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.012 | -0.019 | -0.022 | t | 47773 | PGVGTGC TACGV | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135714 | LNGKVDA F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127718 | KSTPQFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116005 | TTEAVEST VA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 73614 | YEAADAIL HTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 60675 | SRGNHVA PTHYVTES DASQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 12925 | ELAAKLSG LGLNAV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149059 | HLYNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123553 | NPKFEELK G | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 98941 | PQYSQPQ QPISQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103031 | AIANAYW SPQARRRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115474 | RVYVEELK PTPEGDLEI LLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111946 | WGNQLFV TVVDTTRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 52084 | QQPFPQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 52084 | QQPFPQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 5147 | ATSRSTM QLASFFTP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | -0.002 | 0 | t | 7064 | CSQNPLAE LKCSVKSFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.068 | t | 128212 | AEEKKVEA KKEESEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.08 | 0.067 | 0.06 | t | 141611 | CETNTGEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.009 | -0.011 | t | 43264 | NAPATVC GPKLSTDLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117408 | YLQSASIFS K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 102709 | PCKKMCT VSDYISELY NKPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.023 | -0.022 | t | 21101 | GLRFRER | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 72908 | WNSQKDI LEQARA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0.003 | t | 94566 | KKTTTKPT K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.056 | 0.059 | 0.059 | t | 2677 | ALKTELED TLDSTATQ QELR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.042 | t | 63997 | TGVYEDLL AAGVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.017 | 0.018 | t | 96874 | SIAPDLSLD FEKLVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.032 | t | 135478 | LGGLGVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 14279 | ESSTVKA ESSTVKAES STIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 14279 | ESSTVKA ESSTVKAES STIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.048 | 0.04 | 0.04 | t | 106466 | GNESEIYR KY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.003 | -0.01 | t | 146298 | GVYATR SSAVRLRSSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94470 | CNPACGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70669 | VQWMNR LIAFASRG NHDSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 94470 | CNPACGP | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.019 | t | 122734 | DSVPKWD RLPC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.021 | t | 117614 | QGFPFYDK PMRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.022 | -0.02 | -0.017 | t | 6670 | CMTTAQG TSMYPSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117339 | PGALLRQD NAPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78260 | RIVSIT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131078 | SQTTANAS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122022 | VVFPVPPP NYINIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118591 | RSIAKEGFE KISK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123225 | GGATPVV G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122022 | VVFPVPPP NYINIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109638 | NVFSCSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99688 | SSELHLLGF GINAEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107687 | WYVDGV Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107684 | WLDGKEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51925 | QPQQPFP QSQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7502 | DAEVAGT QWFTPSG KTPVFG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 22815 | GTSGPSGT GPSGTSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 48155 | PKTSEILDI SPCAFGGV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.046 | -0.043 | -0.039 | t | 27553 | IMSALAM VYLGAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.023 | -0.03 | t | 135930 | GDKVSFFC KNKEKKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.003 | 0.003 | t | 119641 | SEHETRLV AKLFKDYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.028 | 0.03 | t | 2979 | ALVPDKEV L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 151650 | GWWPYA ALRALS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.007 | -0.008 | t | 135935 | IEQGWGS PKVTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.01 | t | 49150 | PQVVMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.001 | 0 | t | 73483 | YCADVAA EELMNAL V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.001 | 0 | t | 72324 | WDQKLW CRHFCVLA D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.002 | 0.001 | 0 | t | 72324 | WDQKLW CRHFCVLA D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.001 | 0 | t | 47890 | PIELQVECF TWDQKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.002 | 0.001 | 0 | t | 47890 | PIELQVECF TWDQKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.001 | 0 | t | 9319 | DLVKFISD KIKFLNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 42683 | MSTNPKP QKKNKRN T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.01 | -0.017 | -0.021 | -0.017 | t | 61635 | STGPCR | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.03 | -0.035 | t | 114120 | GILDSIGRF FGGDRG | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.01 | -0.01 | t | 123639 | PVRLLEY G | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.009 | -0.01 | t | 51755 | QNQRPTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.014 | 0.018 | t | 70236 | VPAAKIPT GELQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.011 | -0.014 | t | 54229 | RIQRGSGR AFVTIGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.023 | t | 68041 | VDPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 145841 | KEDFRYAIS STNEIGLLG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.016 | 0.021 | 0.022 | t | 148521 | CNTKCQTP MGAINSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 136134 | ANGWGV MVSHRSG ETEDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.002 | t | 151676 | KVDFPQD QLATLTGR I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.01 | t | 127770 | PRAPPARA SYRRFRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.024 | -0.029 | -0.03 | t | 80414 | ANGGTIHP TI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78272 | STLSKS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123171 | FGRVCYNP K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111170 | CSPLTHAIC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114784 | ECKETVP MNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111151 | CLEASYFR C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121474 | KKAPAKKG EKVPKGK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107695 | YKCKVSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 96012 | YERGHITV NY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78356 | DFLIRYLN DSTPPFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97199 | ALWNASY TA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 61124 | SSIVYEAA DMIMHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115482 | SERYLGYLE QLRLKKY KVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.033 | 0.035 | 0.047 | 0.042 | t | 55187 | RPKHPIKH QGLPQEV L NENL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.001 | t | 46198 | NTNSGPD DQIGYYRR ATR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.01 | -0.01 | t | 100063 | GHALRIPS GFISYILNR HDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.028 | 0.037 | 0.04 | t | 68473 | VFGKEKVN ELSKDIGSE STE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 110938 | LYIKGSGST ANLASSNY FPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 110938 | LYIKGSGST ANLASSNY FPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.027 | -0.03 | t | 47838 | PHIVTPPS ARPRIMAP PVVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.027 | -0.03 | t | 47838 | PHIVTPPS ARPRIMAP PVVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.045 | -0.044 | -0.037 | -0.038 | t | 158493 | WNNNIFY DGPVGAF | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 39398 | LSGRPAIV PDREVLYQ EFDE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 39398 | LSGRPAIV PDREVLVYQ EFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 39398 | LSGRPAIV PDREVLVYQ EFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 39398 | LSGRPAIV PDREVLVYQ EFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 151031 | LVKKGNSY PKLSKSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.053 | 0.06 | 0.06 | t | 119432 | AREETDKE EPASKQQK TENG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.033 | -0.03 | t | 106848 | SKIQSTIFR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135942 | KDVKFGA DARAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135942 | KDVKFGA DARAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.031 | -0.03 | t | 58042 | SGFVSLLA PGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.025 | -0.031 | -0.03 | t | 58042 | SGFVSLLA PGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.017 | -0.019 | t | 144697 | IYRNLYWE GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.01 | 0.01 | t | 123841 | WEGVGVV PDVAVP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.008 | 0 | 0 | t | 6562 | CLGDINAR DLICAQKF N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.022 | t | 108844 | DAGVIQSP RHEVTEM G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.013 | 0.011 | 0.01 | t | 5437 | AVLLGACS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | -0.002 | t | 21026 | GLLRYHTY ARFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | -0.002 | t | 18363 | FWRGDLV FDFQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 130536 | LCENIAGH LK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 130536 | LCENIAGH LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130536 | LCENIAGH LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.011 | 0.021 | 0.022 | t | 48477 | PLSLPNPY QLDAAF | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.022 | -0.013 | -0.009 | t | 78381 | FKDGRGC GSCFEIKCT KP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.012 | t | 118429 | IRYFILPDSL PLDTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115725 | ELNVPGEI VE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 119629 | QPENNYK T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114910 | NTTSEDGK VM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 108033 | MQTPPGN LENAVETL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 96823 | RKEEEAE DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148567 | DKSKLQDV KDNKPSD VKL | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144666 | GREGYP A DGGKGSS GYCA | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|---|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148567 | DKSKLQDV KDNKPSD VKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127866 | TLRPAATA RRKRRWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 129575 | PGRGTPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121672 | NVKHLSVA YPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121672 | NVKHLSVA YPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109845 | RPLGLQEE SLDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103245 | GVYKVCK GLEKIPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116979 | FQTD MST RPRGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114407 | IGGRVHFF RDISPIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113754 | QGQQPG QGQQGQ QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79755 | AMKPYEY TPTRM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 88461 | SEDRETRP HGRNNEN FPYNR | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96760 | PTPPVKPT AP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45698 | NRLIAFAS RGNHVAP THYVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42766 | MTDVIRYR YSNNYESE SHIS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49068 | PQPQQPF CQQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11968 | EFDEMEEC ASHLPYIE QGVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140546 | CNLWEVM HGTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140546 | CNLWEVM HGTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140546 | CNLWEVM HGTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 118275 | ATVLARSI AKEGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 105891 | KADPSIMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135661 | EDAKPGQ F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.004 | 0 | 0 | t | 33051 | KQPQPRLR VKTPPPVT VP | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.022 | -0.014 | -0.01 | t | 44602 | NKSTLQNR RAAVS | Mus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.019 | -0.027 | -0.03 | t | 52657 | QTVKFAP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.012 | t | 106313 | CQQYGSS PQTFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0.004 | 0 | t | 134112 | KDKATF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.015 | -0.017 | -0.017 | t | 141715 | NLDHI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.021 | 0.02 | t | 37758 | LLRSTSQK SIVAYTMS L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 69171 | VIYSKYGG TE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.011 | 0.015 | t | 15972 | FGEVFNAT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36956 | LKMADPN RFRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36956 | LKMADPN RFRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.042 | -0.03 | -0.026 | t | 133533 | CKCGKCNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 39638 | LSRNSQGF MMTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.01 | -0.012 | t | 117594 | NWHQLH GKKEAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94618 | NPACGP | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.055 | 0.061 | 0.061 | t | 67257 | TWGENET DVLLNNT RPPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.006 | 0.01 | t | 65837 | TQEIFSFLIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 130620 | TFYLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 130620 | TFYLK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.013 | 0.01 | t | 111639 | PPPSEVVS LYKSNNI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 58382 | SHLQLIYNL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.031 | t | 131652 | SFDSSNPE YFDGYWG YS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.022 | t | 140852 | GEEKPAVL GHDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0.001 | 0 | t | 50273 | QAGRTAH AVTNIFSV G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.017 | 0.02 | t | 111030 | SRGSEGFF SPMLGEFV SETE | Mus musculu s |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135927 | GAKLVQD VANNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 134798 | SPTPTPGP SRRGPSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 102265 | YSCGENSF MD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 130924 | KLFPEEDE MRTETQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 130924 | KLFPEEDE MRTETQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97534 | NVLSNGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 12284 | EGSYPKLK NSYENK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 150975 | DTLCIGYH ANNSTDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144668 | GREGYPA DGGPACY CYGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119628 | QGNVFSCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103352 | LGGGVGA FLNALFAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 100545 | TAVETGAT NPLAPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115990 | SYGLNYYQ QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22104 | GRIVLSGK PAIIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 157808 | QQDRHQK IRHFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 150965 | AKSFYKNLI WLVKKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.008 | t | 45478 | NPSPKTVY VKEAIDRR LHFK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.045 | -0.045 | -0.04 | -0.04 | t | 4444 | ASHAHKS HRKPKRS WNVYVG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.019 | t | 107986 | LAGQRGIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.03 | t | 118824 | GRRPFFHP VGEADYFE YHQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.004 | 0.001 | 0 | t | 25653 | IDQKVKEIS NQEPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108523 | LKAGEGNK IGPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108523 | LKAGEGNK IGPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.03 | t | 158466 | VTKEYEVQ NK | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.017 | 0.02 | t | 141603 | AINASSDL NLIGFGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.059 | 0.053 | t | 130808 | ENEPPVW TTESKLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.016 | -0.026 | -0.027 | -0.03 | t | 49023 | PQLGPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.02 | t | 138758 | AMVYLGA KDSTRQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.01 | t | 48332 | PLGFFPDH QLDPAFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 104850 | KEGILQYC QEVYPELQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 117631 | RGRGRGM GRGNIFQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.01 | t | 122945 | WELTE LDS VGTHLPQE RC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.02 | t | 122138 | LKKDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.003 | 0 | -0.002 | t | 111123 | ARTYNQN LIRHVGGG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.015 | 0.01 | 0.01 | t | 6385 | CHGIFTLT WEIWGY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.055 | -0.044 | -0.05 | t | 32540 | KNKRNTN RRPQDVK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 117097 | TLSTDQST TRNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11353 | EDINGIRR PK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.051 | 0.05 | 0.053 | 0.052 | t | 78296 | WESETT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.011 | t | 62349 | SVTEEIAEE DKSVTEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.035 | 0.043 | 0.04 | t | 36343 | LGVLEDNK GVVRGDY TAC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 20653 | GKPAIIPDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.038 | -0.029 | -0.03 | t | 39141 | LRMAGHS LGRCDIKD LPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121680 | NVQVLSV ARPLVDYF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 108215 | WVAMHP QGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 107698 | YNSTYRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99121 | CCNELNEF ENNQRCM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 108215 | WVAMHP QGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95842 | SGTSAQSG TSGT | Homo sapiens |

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|---|------|---|---|------|-------|------|------|------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95842 | SGTSAQSG TSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95842 | SGTSAQSG TSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 7347 | CYCYGLPD SEPTKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 7347 | CYCYGLPD SEPTKTN | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.02 | 0.02 | t | 7347 | CYCYGLPD SEPTKTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.02 | 0.02 | 0.02 | t | 7347 | CYCYGLPD SEPTKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149065 | LGPNHTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133601 | HPMYPTW YSWQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117093 | TDSDYSTR PSRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117093 | TDSDYSTR PSRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75723 | YSEMKRAS LTPVLKEK PYY | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 92451 | DFAKEVPN YK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75875 | YSREQLNK LFGIEVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39391 | LSGQPAVI PDREVLYQ QFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39381 | LSGKPAVI PDRELLYR EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39391 | LSGQPAVI PDREVLYQ QFDE | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23462 | GYSLFQKE METLNEG TSGTA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33847 | KTRRNTNY Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33847 | KTRRNTNY Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 150987 | GKCPKYVK STKLRLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115439 | QKAVPYP QRDMPIQ AFLLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.052 | 0.053 | 0.05 | t | 97025 | VDDALIDS TKIYSYFPS V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 65678 | TPPAYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132937 | WGSNNQ N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.02 | t | 149424 | QESTYQLV QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 17689 | FSDIPNPIG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 73636 | YEDRYyre | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 72503 | WGQGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 73636 | YEDRYRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 60596 | SQWNKPSKPTN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 25002 | HTVTTTTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0 | t | 19868 | GGGWGQPHGGWGQPH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 53580 | REM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.013 | -0.01 | t | 106973 | VPKHCIVDSKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.002 | t | 144467 | RPWLVPVHRHRY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.002 | t | 47333 | PEKPHFPLAAEDDIRHH | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.022 | -0.02 | t | 65832 | TQDLFLPFYSNVTGFHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.012 | 0 | -0.002 | t | 53093 | RAEVSYPVHVNGAKF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 132069 | SNSKVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.029 | -0.02 | -0.018 | t | 78635 | EKIERNKLLKQPPPPNPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.037 | -0.03 | -0.029 | t | 41610 | MGQHPAKSMDVRR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.019 | -0.021 | t | 62484 | SWNSVDIWHMSS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 129933 | SKQMQQI RMSLRGK A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 56712 | SAARIHDF RYSQLAKL GINP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.015 | -0.019 | t | 144423 | NPATAKEII NVGHSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.012 | t | 5865 | AYLSPIDLN QLAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 149125 | TTL DANQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135644 | CQGDSGG P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108683 | VPVDAGT AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 97897 | ASEQETAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140585 | PWNTFAT NA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140882 | LGHDEAAY SKNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140585 | PWNTFAT NA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107364 | FNWYVDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 27595 | INAYTTGP CTPSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135717 | LTGIISWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.01 | -0.01 | t | 139854 | PPSMVKH PEKALFTF KQV | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151816 | CLTSQAAK QRLE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 148867 | QQQQFPP QQP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 122035 | WNPADYG GIKWNP ADYGGIK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119433 | ARKVKGA AG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99192 | EFNEIRRV LEENAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111158 | CNASTSM QC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103693 | VFGGAAS CAAPIQAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41336 | MEECSKHL PLVEHGLQ LAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112209 | LLIYWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 103996 | ITMWDF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 151609 | DETPMRG ETRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.008 | t | 135461 | GGLGVS | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.042 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.021 | t | 104461 | EFRHDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.002 | t | 119910 | GQYFAKPR NQGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 149427 | QLPQFEEI RN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.039 | 0.021 | 0.027 | 0.031 | t | 156415 | QGRQQEQ EQERQQQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.001 | 0 | t | 78643 | EQGMQLA EQFKQKAL GL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.001 | 0 | t | 78643 | EQGMQLA EQFKQKAL GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 26071 | IFFYDPITG GGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.011 | 0.01 | t | 44917 | NLVLNRDV SFQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.001 | t | 156900 | KLGDPRIA TTLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.012 | t | 118565 | QALGITTKI SRGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.025 | 0.02 | 0.02 | t | 44570 | NKPNWD GYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.025 | 0.028 | 0.03 | t | 10144 | DSILFVPTT VDPASFSD DNS | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.033 | -0.03 | -0.03 | t | 97768 | WLSNGFW RR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.033 | -0.03 | -0.03 | t | 97768 | WLSNGFW RR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 23184 | GVTTSLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 17639 | FRRLGAAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.052 | 0.06 | 0.062 | t | 125236 | RIEKDTDR DNFMSAE EAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 112151 | GWIRQRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149482 | SVFDENRS W | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.008 | t | 65407 | TNRFTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.023 | -0.022 | t | 99884 | AGRNSWN CDFSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.022 | -0.023 | -0.022 | t | 99884 | AGRNSWN CDFSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.016 | 0.011 | t | 123562 | NSSSSQFQ IHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 8566 | DHSDLVAE KQRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121734 | QCCLADD ECLLSLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121734 | QCCLADD ECLLSLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112392 | VTMTCKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 113466 | GQGQQPG QGQQGQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79638 | RLVTDEI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121986 | VLCFWGP VNYEASPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121986 | VLCFWGP VNYEASPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123207 | GAMPPQ QL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 98319 | PAVVGKP GSD | Mus musculus |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98319 | PAVVGKPGSD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98319 | PAVVGKPGSD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73485 | YCAWPACYCYGLPDS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56959 | SAQSGTSGTSAQSGTSGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46991 | PAVIPDREVLVYQEFDEMEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58285 | SGVFTTSMGNTMTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46828 | PAIIPDREVLVYQEFDEMEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41338 | MEECSQAAPYIEQAQAIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39370 | LSGKPAIIPDREALYQEFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39918 | LTGKPAVIPDREVLVYQEFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22129 | GRLHVNERAVVAPDKEVLYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32372 | KMNMHMENVPWIVKNQNLFK | Aotus nancymaiae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114788 | EFGTNISKEH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 101252 | SNYWLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 109855 | RQTEVDSGRDLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115251 | FLLYQEPVLGPVRGPFPIIV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | -0.001 | 0 | t | 86742 | NGVWVM MDGNEQ VEYPLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.034 | -0.036 | -0.04 | t | 48459 | PLPWLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 108133 | SKTTTMPY TPGPTAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.009 | -0.02 | -0.021 | t | 4224 | ARQPDLI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.021 | t | 4224 | ARQPDLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.002 | 0.001 | 0 | t | 44915 | NLVILPGQ DLQYVLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.003 | -0.01 | t | 8508 | DGVAVLK VGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.019 | -0.022 | t | 51063 | QIFLKILPQ SGPIGGIKS MG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.004 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.004 | t | 122749 | EIIGFGQEL KNPQEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.004 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 42592 | MSLLDGR GPVRFVLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.039 | -0.04 | t | 66051 | TRLENLM WK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.022 | t | 115761 | GLRLIHYSY DV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.048 | 0.039 | 0.04 | t | 66085 | TRQQNNP ER | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156843 | AHSEMG RATMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156843 | AHSEMG RATMT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 61289 | SSPSNVKS ASPHGES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 104314 | TRKGYHQ TMNSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.01 | -0.025 | -0.023 | -0.02 | t | 75872 | YSRCGSGP RITP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 49658 | PTIAGAGD VK TSAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.055 | -0.06 | -0.061 | t | 125230 | RERRGIAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117409 | YLQTPMT VH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 6723 | CNRFAGM FSLGARQK I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.047 | 0.04 | 0.04 | 0.042 | t | 13899 | EQPTTRA Q | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.042 | t | 13899 | EQPTTRA Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 138525 | NVRTQEP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.011 | -0.012 | t | 61334 | SSSDKPDN KPEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123870 | YLAQCLED | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.008 | -0.011 | -0.012 | t | 56529 | RYETSNDN SLI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.011 | -0.012 | t | 56529 | RYETSNDN SLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 144659 | GREGYP A DGGAAGY CNTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138210 | PAAPAPN DPNAAPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 119925 | HFPFDEQ NGSMKLG TWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106377 | EEMRHVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104125 | MNKTFVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107695 | YKCKVSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108216 | WWATFFE ATR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112114 | FSGFSLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99447 | LRGRAHV QVVD SNG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106646 | MHLTQSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 96735 | PKVTKEK P TP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 38952 | LQPQQP FS QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 38952 | LQPQQP FS QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149433 | QPLSQV SF QQ | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136593 | RHYKQYQ FHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 152056 | QAAKQRL EPGRN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136593 | RHYKQYQ FHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149433 | QPLSQVSF QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115869 | NKKIEKFQ SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97522 | NGNLVNK AG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47123 | PDKEVLYE AFDEMEE CASRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 16957 | FLVNAWK SKKCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 11963 | EFDMEA CAPHLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7000 | CSGFVGLF SPGPSQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.056 | 0.062 | 0.062 | t | 142335 | YEQLNDSS EEED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112849 | TIKNTFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103346 | LEPGVVAE KVRNLPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.01 | 0.01 | 0.01 | t | 67156 | TVSLPVGA DEDDIKAT YDKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 117223 | NTWTTCD SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105138 | DLTA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 40332 | LVFFAEDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 40332 | LVFFAEDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 156975 | WSSTVLRV SPTRTVP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.03 | t | 116954 | DPTDYSTR PHMW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.012 | t | 9661 | DPKSLSKG EIASTFESQ NST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 111733 | RKATPTTS STSTAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.01 | t | 76612 | YYTCCP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.007 | 0.011 | t | 156291 | FGQNKEW QLNQLEAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.017 | -0.017 | t | 115381 | MGLLECC ARCLVGAP F | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 104147 | NGAIRFT MGYQHGQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.011 | t | 107376 | GDRSGYSS PGSPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.004 | 0.01 | 0.01 | t | 30260 | KDTLRIAYL TEAKVEKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 48124 | PKPQRKTK RNTNRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.012 | t | 55732 | RRRTSPSR RRRS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.012 | t | 55732 | RRRTSPRR RRRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.018 | t | 122129 | KTVTVKED QVMQQN PPKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.019 | -0.013 | -0.01 | -0.012 | t | 72485 | WGNGCGL FGKGSIDT CAKFA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.047 | -0.05 | t | 74871 | YLPVGGLR RIGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.057 | 0.06 | 0.06 | t | 94572 | KQWEDEV TEFNYKVG LQNSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.007 | 0.01 | t | 138784 | LPGLKGHN GLQGLPGL AGHH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115395 | NLCSTFCK EVVRNAN EEEYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140842 | EGNTDER GTPEYNIA LGQRR | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153274 | NLSTSNPL GFFPDHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140842 | EGNTDER GTPEYNIA LGQRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104124 | MNKTFVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148565 | DKNKLQD VKDNKPS DVKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148565 | DKNKLQD VKDNKPS DVKL | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115347 | LIVTQTMK GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98780 | FPQPQLPY SQPQ | Homo sapiens |

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|---|------|---|---|---|---|---|---|---|---|-------|-------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99663 | SGFISYILN RHDNQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95818 | SAQSGTSG TSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78161 | GDDRLLF | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63091 | TCPGEDC HSMYPFTY RGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95841 | SGTSAQSG TSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79446 | VCDQVQ WMTRLAC Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95818 | SAQSGTSG TSAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95818 | SAQSGTSG TSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95818 | SAQSGTSG TSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75874 | YSREQLNK LFGIDMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95841 | SGTSAQSG TSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47127 | PDKEVLYQ QYDEEMEE CSQAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39402 | LSGRPAVV PDREVLYQ EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39371 | LSGKPAIIP DREALYQ QFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50108 | PYIEQGM QLAEQLK QKALGL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21840 | GPYAGPLE RQKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21840 | GPYAGPLE RQKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21840 | GPYAGPLE RQKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3971 | AQGQYSN TLLRIYRDN KSIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110587 | GARGLTG RPGDAGP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 96006 | WTAFCGP VGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 78312 | WLHYYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.035 | -0.03 | -0.03 | t | 117295 | GITKPAIRR LARRGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115823 | KHKEMPF PKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.008 | t | 149345 | KDFPILPGE IF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24871 | HSVRGFTS LFSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117684 | VKSKKREA VAGRGRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.01 | -0.01 | t | 55951 | RSRSES | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 55951 | RSRSES | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.01 | -0.01 | t | 55951 | RSRSES | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.042 | t | 28290 | IRFKDDSSY EEVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.018 | 0.02 | t | 33441 | KSMKVTV AFNQFGP N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 133535 | CKPGEVQ QC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | -0.001 | t | 127957 | EESRGRTS SKTAFYQA LQNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | -0.001 | t | 127957 | EESRGRTS SKTAFYQA LQNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0.007 | 0 | t | 125396 | EITDNPYM TSIPVNAF QGLC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.039 | -0.039 | t | 120410 | ARLVVLAS GTGSLLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.07 | -0.07 | -0.072 | t | 143228 | YFDDQVF WKFPHLA VGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.01 | 0.01 | 0.01 | t | 123487 | MESNRFIK W | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.037 | -0.037 | -0.041 | t | 11497 | EEAILRPLR VQGKRAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.02 | 0.02 | 0.02 | t | 123692 | REKRKPKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 75149 | YNGANGA MKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.031 | -0.032 | t | 123027 | APGMRPP MGG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0 | t | 23390 | GYKVLVLN PSVAAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 94471 | CNPACGP K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.01 | -0.01 | t | 94471 | CNPACGP K | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.016 | 0.023 | t | 138254 | TPTIM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.003 | 0 | t | 33745 | KTKRNTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.033 | 0.031 | 0.03 | t | 15176 | FAGDSDSS SSADDAA GKATV | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.014 | 0.01 | 0.012 | t | 110257 | GNPGADG I | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.001 | 0.014 | 0.01 | 0.012 | t | 110257 | GNPGADG I | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.01 | t | 35096 | LCSEYRNT QI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.027 | -0.03 | t | 18587 | GAGGGAG AGGAGAG GGGRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.009 | 0.01 | t | 40110 | LTPLEELY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 99141 | DEELQEGH VLVVPQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142136 | EEDEIDGP AGQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131080 | SQTTANPS APEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132120 | WGDGQKS SQGWSVS A | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98932 | PGDYDDD RRQPRREE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78417 | HVWSSPQ ALQRFLHD PTLTW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78417 | HVWSSPQ ALQRFLHD PTLTW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78417 | HVWSSPQ ALQRFLHD PTLTW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 54103 | RHVKNYH SRSESTIE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.052 | t | 135475 | KRPKPGG W | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 139800 | LGPYSFV | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137746 | DTPLTVQG LKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50103 | PYIEQGM MLAEQFK QKALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 11966 | EFDEMEEC ASHLPYIE QGMH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 6329 | CGPFLLAA SVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 141663 | GRSLEGVY VPPRRQQ L | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 98892 | LRVYVEEL KP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.045 | -0.045 | -0.04 | -0.04 | t | 4444 | ASHAHKS HRKPKRS WNVYVG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.02 | t | 144807 | VFSYIPWS EDKGEITA CGIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 108268 | AKVFSRRG GNVTLPCK FYR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 72483 | WGNGCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | -0.003 | -0.002 | t | 11149 | EANQGQF EHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | -0.003 | -0.002 | t | 11149 | EANQGQF EHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.051 | 0.06 | 0.06 | t | 128140 | VPESMREE YRKEQQSA V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 116957 | DSMNTDD STRPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.029 | -0.031 | -0.029 | t | 21823 | GPVLRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.032 | -0.033 | -0.033 | t | 105743 | EEERQQD RRRGRGSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.03 | t | 125843 | DRPVPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.036 | -0.04 | t | 118566 | QDFSQQRS LKFRPKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.019 | -0.02 | t | 80394 | ALVSAGW LQEGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.015 | -0.017 | -0.019 | t | 78107 | ATYQSEYL AHRRIPP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.039 | -0.04 | t | 137848 | FDRFKGSG PGYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.003 | 0.002 | t | 25284 | IAGFVFSCI VVLT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.009 | t | 120172 | RKIPKRPG SVHRTPSR Q | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.005 | 0.01 | 0.009 | t | 120172 | RKIPKRPG SVHRTPSR Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.022 | -0.019 | -0.018 | t | 49275 | PRVVTYKA AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.026 | -0.034 | t | 138246 | TDKTPFLL WRVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109348 | IPVDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109348 | IPVDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123725 | RVSMIEGA A | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111171 | CSSGPIAP C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99874 | AEDVGSN KGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147064 | KHQGAQY VWNRTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138259 | WANKQPT IIWRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151060 | SVIEKMNT QFTAVGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142318 | TVQDILEN YRPNWTV PEFTL | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137736 | DTALTVA LKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127685 | HPAFARA HGEAGAG R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110611 | GPKGQAG EPGIAGFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103197 | GDDDRLH GMLTDRDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108282 | AQAYDLSP S | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 93030 | ITDSDGND KL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95849 | SGTSGTSG TSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96208 | EDEEDEED KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95849 | SGTSGTSG TSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79626 | PRNVRVT GCYQCGT PALVEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47188 | PDREVLQ QFDEEMEE CSKHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51671 | QNAPQVE NAPQAE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6075 | CCRHKQK DVGPKVKQ TLPPS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1260 | AFASRGN HVAPTHY VTESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133951 | WIFNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 102884 | VDPLPSGY QFNPEATK AASP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153379 | EQEIFTNIT DRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153379 | EQEIFTNIT DRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.02 | t | 122915 | THKANPSP EPNMHEC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.02 | t | 122915 | THKANPSP EPNMHEC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.044 | 0.05 | 0.052 | t | 51772 | QNTEEME NLSDRVAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.031 | t | 130802 | EHRMTW DPAQPPR DLTEAFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.023 | 0.017 | 0.018 | t | 33090 | KQVTIRIG CKTSSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.04 | -0.03 | -0.029 | -0.03 | t | 55067 | RNTNRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.068 | 0.064 | 0.068 | t | 60470 | SQKGKQQ EEEENEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 149431 | QPFPPQQ PYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.037 | 0.03 | t | 6482 | CKGTHGG TGAGAGA GGAGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 153414 | LPHWHPH SHLQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.07 | -0.063 | -0.07 | t | 138222 | PTPTGPS RR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.007 | -0.01 | t | 122173 | QSIQQSIE RLWCRLW PLPFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.023 | 0.03 | 0.032 | t | 132891 | QVSCPAIQ ADEVLGE | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 121811 | RRARARA R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.003 | t | 26374 | IHFGSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.009 | t | 76185 | YTTGGAQS HTLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.077 | -0.061 | -0.067 | -0.07 | t | 109948 | SRYCLSSRL RVSATFW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.024 | -0.017 | -0.017 | t | 42475 | MRKTKLA PTVAHGV F | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 56175 | RTS | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7001 | CSGFVSL APGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 925 | AEGEFKTL RNTNRLDP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 925 | AEGEFKTL RNTNRLDP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.011 | t | 122073 | AEEQARH VKNGLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 113259 | AEEIELQTI T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 110582 | GANGDPG RPGEPLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131078 | SQTTANAS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 128098 | SCWQPGT RTSTSPGV SEDCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123794 | TQYPPGR G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132119 | WESGAAN SQSTSWG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 75877 | YSREQLSK LFGIDTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78235 | PHSNSYHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 51121 | QIPYNLKIF AIELDTLKK LT | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47230 | PDYEPPVV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 7374 | CYGLPDSE PTKTNGK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.01 | 0.01 | t | 7374 | CYGLPDSE PTKTNGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 7374 | CYGLPDSE PTKTNGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.01 | 0.01 | 0.01 | t | 7374 | CYGLPDSE PTKTNGK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 6290 | CGGLTNLF SLGSQQKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.01 | 0.01 | 0.01 | t | 7374 | CYGLPDSE PTKTNGK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 7374 | CYGLPDSE PTKTNGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 7374 | CYGLPDSE PTKTNGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.01 | 0.01 | t | 7374 | CYGLPDSE PTKTNGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.007 | -0.009 | t | 124068 | ELMALHT GQSLEQIE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149067 | LNFDPPS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123735 | SHVDFMV YE | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 38950 | LQPQQPF PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 49087 | PQQPFPQ QPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 49087 | PQQPFPQ QPQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 51922 | QPQQPFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 38950 | LQPQQPF PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7209 | CTSRFASLF NLGPQQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 101925 | NISQHQC VK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 79537 | EHPWPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0.002 | t | 52158 | QQTFPQQ PQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.018 | 0.02 | 0.02 | t | 10580 | DVENSML QAN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.01 | -0.01 | t | 17278 | FPELKPGE SRHTSDH MSIYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.017 | -0.018 | t | 118290 | DGDFAIVK FTKVLLDY TGHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.1 | 0.105 | 0.1 | 0.101 | t | 114234 | TQDENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.008 | t | 10808 | DWERPTP YELSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.021 | t | 59982 | SPAPERRG YSGYDVPD Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.051 | -0.034 | -0.036 | t | 138758 | AMVYLGA KDSTRQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.03 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.02 | t | 106257 | ANYIGSDK YFHARGN YDA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 75990 | YTDAPSFSDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.036 | -0.033 | -0.028 | t | 47345 | PELFRQFYQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.036 | -0.033 | -0.028 | t | 47345 | PELFRQFYQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.02 | -0.022 | t | 67932 | VDEKMN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.035 | -0.037 | -0.03 | t | 134065 | GLLECCARC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 151723 | RSITTIIDTFHQYSRK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.023 | 0.021 | t | 119598 | INPESDQPDLSNFMESG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.032 | -0.032 | t | 136569 | PYYRWQYKYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0 | 0.013 | 0.012 | t | 76239 | YVATRSETDYYAGNSPPQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.009 | t | 41869 | MKNQTFHLQGFVDGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.009 | -0.011 | t | 7763 | DDEDLDEFKPIVQYDNFQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.005 | -0.01 | t | 67461 | TYSIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.007 | -0.008 | t | 16031 | FGPLWILQASLLKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46550 | NWNFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46550 | NWNFD | Mus musculus |

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|---|------|---|---|-------|-------|-------|--------|--------|---|--------|-------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.055 | 0.047 | 0.051 | t | 59593 | SLYELTH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107486 | KKPTPST | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.013 | t | 134255 | VGPAPGM RPPMGGH MPMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149536 | YPQPQPQ YSQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123261 | GRDDREK WL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116004 | TSTPTTEA VE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111091 | AEPDRAH YNIIVTFCC KCDST | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111091 | AEPDRAH YNIIVTFCC KCDST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111091 | AEPDRAH YNIIVTFCC KCDST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79412 | TCLEVNW LTRMACM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47187 | PDREVLYQ GFDEMEE CASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25021 | HVAPTHY VTESDASQ RVTQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 16958 | FLVNAWK SKKNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25009 | HTYSPHEL SRVAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25009 | HTYSPHEL SRVAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 106304 | CDRSYTTR RW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110584 | GAPGFPG PRGPPGP Q | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 49108 | PQQQPFPPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 49108 | PQQQPFPPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115252 | FLPYPYAKPAAVRSPAQIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 101925 | NISQHQCVRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 80009 | RMLVCGIAAKLG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.009 | 0.01 | t | 11411 | EDPASR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.067 | -0.061 | -0.06 | t | 107828 | ERGLKGHRGFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.013 | -0.018 | t | 142448 | NKYRGTAGNALMDGASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 119992 | KLGTWTYDGSVVAINP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119992 | KLGTWTYDGSVVAINP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1261 | AFASRGNHVAPTHYVVESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1261 | AFASRGNHVAPTHYVVESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.024 | 0.02 | t | 73272 | WYGMEIRPLSEKEENMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 14435 | ETIYNTTLKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 105763 | EVHHQK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.016 | 0.01 | 0.01 | t | 23511 | GYYPSPDP NTFYAPPY S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 23511 | GYYPSPDP NTFYAPPY S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 108860 | DGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 108860 | DGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 113660 | NIPLVSGP DIPINITDQ APS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.029 | 0.031 | t | 46984 | PAVARDD AEGLSDPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | 0.001 | 0 | t | 10022 | DRNLGIGN TGNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.013 | -0.01 | t | 47965 | PIQNLPGY VF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.02 | t | 122034 | WNPAD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 105506 | SAENEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.01 | t | 36947 | LKLNWF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.002 | t | 6762 | CPFIKPEVK PGTPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.009 | 0.011 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.028 | -0.021 | -0.02 | t | 953 | AEGRAINR RVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.008 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 55760 | RRVGLSNP | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.002 | t | 51391 | QLKLNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.011 | -0.01 | t | 32887 | KPSTLYKM TVEAVK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115456 | QSEEQQQ TEDELQDK IHPFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 114676 | WSREEQE REERKERE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142389 | AVGNSRG ACLAC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121686 | NVVPLSVA NPLVDAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121686 | NVVPLSVA NPLVDAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123347 | KEGYLKDL P | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114750 | AVSVCSE YP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103531 | QSG LGDN GYIIPDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79599 | LHIRAGPY GHATVEM PEWIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149447 | QVPLVQE QQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149447 | QVPLVQE QQF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142942 | PEEETGE MGQLVHR | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123107 | EALPKIKAY | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106781 | RKYFGNRP TM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99280 | GHVLVVP QNFAVAG K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78303 | WHSIFAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95848 | SGTSGTSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 62878 | TAHPAYPP PSRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95848 | SGTSGTSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95848 | SGTSGTSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41336 | MEECSKHL PLVEHGLQ LAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 51669 | QNAPQAQ NAPQAQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22236 | GRVILSGK PAIIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 8535 | DHEGCKFS CFIRPAG | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 92843 | GNDRLF GKG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.011 | 0.007 | t | 40921 | LYREALES P EHC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.027 | 0.03 | t | 136338 | GSVTKKRK LESTES | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.017 | -0.018 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.011 | -0.007 | -0.002 | t | 140167 | AYNNGQEINGFKA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 610 | ACYLPFQLSCGGKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.011 | 0.009 | 0.01 | t | 148559 | DDSKLPVIKVEDKSKLQD | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.021 | 0.02 | 0.019 | t | 10436 | DTNSVYEPYYHSDHAESSWV | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 29159 | ITYGACPKYVKQNTLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 29159 | ITYGACPKYVKQNTLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 29159 | ITYGACPKYVKQNTLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.008 | 0.003 | 0.002 | t | 157740 | PHRAGETS AAGL | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.015 | 0.02 | 0.02 | t | 61631 | STGNNVFQTQAGCLIG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.029 | 0.03 | t | 149428 | QLQLQNP SQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.021 | t | 135439 | ADAAAAY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94474 | CNPACGR | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 94474 | CNPACGR | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94474 | CNPACGR | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.022 | t | 124367 | KLKARVDE LERIRRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.044 | 0.048 | t | 96210 | EDKEEDEE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 32913 | KPTTKQRQ NKPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153333 | ACLDAKLQ QCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123746 | SNFLGDRH Y | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 119519 | RKVVQTSL E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79103 | TTTLSESFE NGIPASW KTID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95841 | SGTSAQSG TSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 22169 | GRPSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123440 | LLEYGEKYE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79821 | FEGKPALE LIRM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75874 | YSREQLNK LFGIDMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79821 | FEGKPALE LIRM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 93028 | ISSVSAFTS S | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40021 | LTLNWP GDM | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39401 | LSGRPAVI PDREVL YR EFDE | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41726 | MIKAAFLP TGAFKADR YKSH | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41668 | MHNISQH QSVMKMS DQNS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22084 | GRIILSGRP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22090 | GRIILSGRP AVIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22084 | GRIILSGRP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22074 | GRIILSGKP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33065 | KQSGENF AYLTAYQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22074 | GRIILSGKP AIIPDREAL YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6723 | CNRFAGM FSLGARQK I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115933 | QWQVLSN TVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78759 | PGLRPQNL YTLWGGG VVCMY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 49649 | PTHYFGSP M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.033 | -0.02 | -0.02 | -0.02 | t | 33512 | KSSLEDQKI KEKLQP | Aotus trivirgat us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135754 | RYVNWIKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 118579 | RDMLLAN KVPAAR A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 55780 | RRYPDAVY LHRIDLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111111 | ANQSLPD RLYKS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 137419 | HSPRWHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.051 | -0.04 | -0.04 | t | 67170 | TVSTEQNV PDPQVGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.003 | 0.002 | t | 4856 | ASYVKKPK EDVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.002 | 0.01 | 0.01 | t | 24369 | HNDKRAD PAFVCRQ GVVDRG | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.011 | t | 131579 | PDIITGFSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.01 | -0.01 | t | 76234 | YVAGMAE LGAFESI | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.001 | -0.01 | -0.01 | t | 76234 | YVAGMAE LGAFESI | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 58077 | SGHRMA WDMMM NW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.052 | t | 47897 | PIFKSGRG CGSCFEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.05 | -0.05 | -0.048 | t | 140898 | RRADAVK GYLAG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0 | 0.009 | 0.012 | t | 53191 | RARFEELC GDLFRSTI QPVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.032 | 0.033 | 0.032 | t | 94159 | VLVAPTS MLD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.002 | t | 122445 | KQYSIEAA LRCRRISKE EYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.022 | -0.02 | -0.02 | t | 120921 | RMKRPGE DKVRPAC QHK | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.023 | -0.022 | t | 98858 | LACQCLVR TP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 118311 | DVEVNEKK DRVTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123168 | FGGGDAA PA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141575 | WKAQKRF MKKSG | Rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153329 | ACFLPHPS RCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131081 | SQTTANPS CAEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99316 | HKSFNSLN DFLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110609 | GPKGANG DPGRPGE P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99992 | EHPTDFSV EF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115904 | PTVMFPP QSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 42750 | MTDVIRFR YSNNYEAS DH | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151956 | KSVYWHVI GMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121846 | SGVCLLPRI SDVVSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123704 | RIEALPKIK | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.01 | -0.01 | t | 112139 | GQFRVIGP RHPIRALV GDEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95749 | QVYNKLG MYPPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 70813 | VRRKDDR RGALLSP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41334 | MEECSASL PYMDETR AIAGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50745 | QFDEMEE CSKHLPLV EHGLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41340 | MEECSQA GPYIEQAQ VIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50105 | PYIEQGM QLAAEFKQ KALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.042 | -0.03 | -0.03 | -0.03 | t | 137868 | GFYPGSIE VRWFLNG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.018 | -0.03 | -0.03 | -0.03 | t | 137868 | GFYPGSIE VRWFLNG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137868 | GFYPGSIE VRWFLNG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137868 | GFYPGSIE VRWFLNG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137868 | GFYPGSIE VRWFLNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 92463 | DKLISSVSA F | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 149130 | YALHSTP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.015 | -0.003 | 0.001 | t | 48618 | PNDPNRN VD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.045 | 0.031 | 0.03 | t | 18784 | GATEIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.003 | 0.007 | 0.01 | t | 50172 | PYSPSQDP YSPSQDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.034 | -0.03 | -0.03 | t | 99419 | LGYTDRIG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.017 | -0.02 | t | 46817 | PAHYANYLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.029 | t | 38982 | LQSARRGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.023 | 0.022 | t | 52026 | QQFIYAGS LSALLDPS QGMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.023 | -0.02 | t | 45162 | NNLGLLCE YQAIGSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.014 | -0.01 | t | 22542 | GSTKSCAR TLVSGSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.055 | -0.05 | -0.05 | t | 132861 | LKRGIEKA V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.016 | 0.011 | 0.01 | t | 26308 | IGQMFETT MR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114941 | RQDENYEE AIVHLKVA ALGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50989 | QGYQEPP PPQAPYQ GYQEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.003 | 0 | t | 8565 | DHSAPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 62715 | SYSYNKDN NELSHFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 18758 | GASAQGS SGPSGTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.037 | -0.04 | t | 158838 | IHNDVEA WMDRYKY YP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 32723 | KPGKKTTT KPTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 117059 | PQTDGSTR PRGL | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57299 | SDTRGDP VFNLPFQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 44571 | NKPPNKP NNDFH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.01 | t | 131543 | LLTSMYVK EFLISSQD GHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.009 | t | 39160 | LRPFHQILY GMS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135691 | ILDNITQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156872 | FSKSSSWE SWLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153448 | QPNHRDH FKLPAGGG S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123075 | DFLGKNPY L | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123167 | FGAGDAP PS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108104 | RRLPFGSQ M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99645 | RSPPGERT RGRQPGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96235 | EKDKGLQT SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60674 | SRGNHDS PTHYVPES DAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78303 | WHSIFAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65515 | TPCAAEEQ KLPINA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97290 | EVELKLNL A | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41735 | MIKVGfHP TGAFKSPR WKSH | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51574 | QLVNSNG SWHIN | Rattus norvegicus |

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|---|------|---|---|-------|-------|--------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39376 | LSGKPATIP DREALYRE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51574 | QLVNSNG SWHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47177 | PDREILYQ QFDEMEE CSRHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39392 | LSGRPAIIP DREALYQE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39370 | LSGKPAIIP DREALYQE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51574 | QLVNSNG SWHIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51574 | QLVNSNG SWHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19471 | GEVTELDIS GCSGDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20039 | GGSVASV ASGGSGG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11971 | EFDEMEEC PSHLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 153284 | PTPLSPPLR NTHPQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 147562 | CYGSLPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 103566 | RRFPLPDV PWTRFFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 78185 | KKWLAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115601 | DPFYWVS PGVLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115601 | DPFYWVS PGVLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0.002 | t | 7343 | CWVDNEE DIDVILKKS TI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.008 | 0 | 0.002 | t | 7343 | CWVDNEE DIDVILKKS TI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 21719 | GPPAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117111 | WPMNDD STRPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.009 | 0.01 | t | 153292 | TLPANPPP ASTNRQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 103839 | DAEFRHDS GYEVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.007 | -0.001 | t | 103839 | DAEFRHDS GYEVH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0.007 | 0 | 0 | t | 146795 | CCELCCNP QCAGCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.11 | 0.113 | 0.114 | 0.11 | 0.108 | t | 133669 | QQQQQQ QQQQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.021 | t | 21930 | GQPGPSG AAQGQVIS N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.04 | t | 94485 | DELA KIAQ T WANQCD FNHDD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.01 | t | 97459 | LLGNATAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.039 | 0.041 | 0.045 | t | 74945 | YLTQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123813 | VGAVQGP V | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 103838 | DAEFRHDS GYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.011 | t | 119837 | ELIPSTSSA VPLIGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.03 | 0.031 | t | 50617 | QEIENSDS DYDREKLQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.023 | t | 108198 | VQFKESNR LNSPLAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 137846 | FADGQPKL VSDQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111907 | VEVGRGQ PLGVGISG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111558 | MPLTQKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 94178 | VSAFTSSN DS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156930 | PISKEHV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 122845 | LQVQDQL MNEELTER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103548 | RGLRAAAE AGVRLAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112387 | VLYSSDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111558 | MPLTQKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141578 | WKVRKAF LFAKN | Rattus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153354 | ACWHPLQ WRCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132940 | WGSNVTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123396 | KSRIEALPK | Ovis aries |

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|---|------|---|---|-------|-------|--------|-------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127694 | IHKNSSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 128094 | RQGLKKA DCSFWSKY ISSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113750 | QGGQQGQ QPGQQGP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115848 | LPLLQSW MHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 66237 | TSGTSGPS GPSGTSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50911 | QGMQLAA EFKQKALG LLQTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 55644 | RRLHNWIT EDCPIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47123 | PDKEVLYE AFDEMEE CASRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39375 | LSGKPAIIP DREVLYRE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 6077 | CCRHKQKI VAPVKQTL PPS | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 132888 | QAYVVDSF GNEIFRC | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103018 | AFLHWAIT DGNKASF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 108614 | RPPHSAS WR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 112277 | QSPKLLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 102249 | YNPWPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 30474 | KEKLQKTY SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0.002 | t | 51929 | QPQQPQQ SFP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|--------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0.002 | t | 52089 | QQPFPQS QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0.002 | t | 52085 | QQPFPQP QQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 71568 | VTVVTTS GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 71568 | VTVVTTS GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 71568 | VTVVTTS GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 71568 | VTVVTTS GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 53800 | RFVKTPSK KKTKSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 53800 | RFVKTPSK KKTKSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 53800 | RFVKTPSK KKTKSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 20046 | GGTEESVV TASRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 20046 | GGTEESVV TASRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0 | t | 20046 | GGTEESVV TASRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.02 | t | 98180 | KQYEADLA AV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.02 | t | 98180 | KQYEADLA AV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.013 | -0.01 | t | 48409 | PLLRTQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 136826 | CYSQVNPT TL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 38314 | LNPTIAGAGDV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79368 | RGDLARGDLARGDL | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 79368 | RGDLARGDLARGDL | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156868 | FHRHPLE | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.011 | 0.01 | t | 101410 | WCCRSCTLPPLRYRGEDGCW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.021 | t | 106789 | RSFFSFLGEAFDGARDM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.01 | t | 12571 | EIRQVGDFHYVTGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.031 | t | 60024 | SPDVDLGDISGINAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103965 | GYKYLGPGLNSLDQGEPT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.014 | 0.02 | 0.02 | t | 7209 | CTSRFASLFNLGPQQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.012 | 0.012 | t | 107026 | YQLPPKFWFISP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 106376 | EEKKGNYVVDH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.009 | 0 | 0 | t | 12536 | EINTEEEGTPDQISSLIK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.013 | -0.02 | t | 120699 | KMFPEVKEKGMAALPRL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.051 | -0.05 | -0.053 | t | 56852 | SALEDKLA DYKRRM | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.051 | -0.05 | -0.053 | t | 56852 | SALEDKLA DYKRRM | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.001 | 0.001 | t | 40167 | LTSGHLKC RVKMEKL QLKGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 16101 | FHENWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.003 | 0 | t | 56122 | RTLTMFS LGARQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 43212 | NALSFTNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.01 | t | 43212 | NALSFTNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.006 | -0.01 | t | 41058 | MAKNKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.017 | 0.018 | t | 12382 | EIAAILKDF D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.017 | 0.018 | t | 12382 | EIAAILKDF D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 144778 | SGTHPFLD KSFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142428 | KAQKEATA AKLKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.011 | t | 97769 | WNPSLLG N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.011 | t | 97769 | WNPSLLG N | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.021 | -0.019 | t | 48913 | PPSFCPNFI PCTDGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.02 | t | 157219 | EQRCCNEL NR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.024 | -0.028 | t | 72171 | VYTFYGM WP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 156934 | PLHTSL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.022 | t | 79926 | MASMTG GQQMG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149295 | ELDHWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121677 | NVLALCVH SYLVDGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121677 | NVLALCVH SYLVDGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121079 | YFTDIDLVE H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113775 | QQGQQP GQGQQPG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103900 | FNKSWFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115907 | PVVVPPFL QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47133 | PDQDYQI RKAKSS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11969 | EFDEMEEC ASQLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6027 | CARSLATL FSPGARQ Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78312 | WLHYYS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 119669 | VSWNSGAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.008 | t | 52084 | QQPFPQPQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.031 | -0.027 | -0.028 | t | 55899 | RSLYLRWVNAVCGDA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 135441 | AGLGAGIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103721 | VTWNPVKMMGVLLQC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.023 | -0.02 | t | 80315 | AKKQSNLFGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.027 | -0.027 | t | 115529 | TYNFAVLKLMGRGTKF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0 | 0.01 | 0.013 | 0.011 | t | 134264 | VPYVKRVKTWRMHFLTGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.036 | -0.04 | -0.04 | t | 124601 | QGPGLTDWLFPRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.01 | t | 106909 | TISQLYSSYPSP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8132 | DEQFIPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.018 | t | 65535 | TPDNNQTSPPARR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.02 | 0.02 | 0.018 | t | 65535 | TPDNNQTSPPARR | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.019 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.019 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 131296 | EVGLHECG NSMQVTD DAL | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 109252 | GSLPQKSQ RSQDENP V | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.013 | -0.012 | t | 53407 | RDPVFYAF GFGVNYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.029 | 0.03 | t | 29278 | IVGAGDSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.019 | t | 69176 | VKAETRLN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | -0.002 | t | 73053 | WRTFSRV DRAFFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.008 | 0 | -0.004 | t | 58316 | SGYCYWV HILCYCYG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.042 | t | 28277 | IRECTGLA WEWWRT V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.049 | 0.059 | 0.047 | 0.05 | t | 783 | ADTQGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 926 | AEGEFKTR RNTNYQD PAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137739 | DTELTQKG LKL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110957 | PAAVTLAE ADRT | Macaca |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114788 | EFGTNISKE H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132826 | FPEDLGNK SWQAYVV | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103536 | QVGSQFG PYQLRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 80035 | SSPMEVM LRAVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 80035 | SSPMEVM LRAVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 80035 | SSPMEVM LRAVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 80035 | SSPMEVM LRAVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 77920 | IPPFYKNF WWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.042 | 0.039 | 0.04 | t | 10220 | DSQTITNP AYDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0.002 | t | 51925 | QPQQPFP QSQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.039 | -0.04 | t | 64837 | TLHPLHLW RPLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.069 | 0.071 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0 | 0.009 | 0.01 | t | 54848 | RMADAVS RKKMDTK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 138304 | ATVQLPQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 138608 | RVGAHDP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 149425 | QGFFQPSQQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 116981 | FSTDWSTRPRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.031 | t | 156904 | KPGDPRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.046 | 0.04 | 0.04 | 0.04 | t | 123246 | GMLGTTP EE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 43729 | NEREDERT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | 0 | 0 | t | 20939 | GLIVDTRDVEERVHV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.009 | 0.01 | 0.013 | t | 141560 | SDEALPPG SPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.039 | -0.039 | -0.04 | t | 44140 | NHFVPQP PSRTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.039 | -0.039 | -0.04 | t | 44140 | NHFVPQP PSRTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 110834 | EQLKGQG KSRLGDLY EEEMR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.014 | -0.003 | 0 | t | 6194 | CEQVLRLA VVTSTEGI HQLQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11571 | EEEDDDM GGLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.008 | 0.01 | t | 144763 | RIEDPPFN SLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.02 | -0.022 | t | 117591 | NTHLKAVK MTLKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0 | t | 59376 | SLNVLFDG RD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.011 | t | 75790 | YSLFQKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.022 | t | 120108 | NFMESGE WVIKESRG W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.037 | -0.039 | -0.04 | t | 22716 | GTIVIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.036 | 0.031 | 0.029 | t | 13641 | EPEQVELQ PPPQGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.02 | -0.019 | -0.02 | t | 50637 | QELDCWH YQHCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.037 | 0.032 | t | 122198 | TEADVNP KPIPSQMPT SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 127681 | HFHRPTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103531 | QSGLGDN GYIPIPDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136524 | NFREAMRI GAEVYHN LKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156930 | PISKEHV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131076 | SQTAANPS CPEGT | Rattus norvegic us |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113781 | QQPGQG QQPGQG QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95497 | KIIAPAKQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95712 | QKIIAPAK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95517 | KQKIIAPA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95712 | QKIIAPAK | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 95517 | KQKIIAPA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78064 | VPLSPTME FMRK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95517 | KQKIIAPA | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95712 | QKIIAPAK | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51122 | QIPYNLKIF AIMLDTHK MLT | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50913 | QGMQLAE QFKQKAL GLLQQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45221 | NNRAVPD KIDWRESG YVTE | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38950 | LQPQQPF PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0 | 0 | t | 45221 | NNRAVPD KIDWRESG YVTE | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 1790 | AHKWYSQ WLPHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9895 | DQRPYCW HYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 120918 | RLFKHLFG GYNRWAR PV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112165 | IGVGWIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.043 | -0.043 | -0.052 | t | 127846 | SWERRRLS PGHRALA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 128523 | EILSDVQLI KTGDKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.008 | 0 | -0.001 | t | 39023 | LQYGSFCT QLNRALSG I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 31722 | KKTTTKPT KKPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139830 | MKKISSVI AIALFGTIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 150858 | ISSLYNLVK SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139935 | VIAIALFGT IATANAAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 135799 | YGKDVKDL FDYAQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135799 | YGKDVKDL FDYAQE | Mus musculu s |

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|---|------|---|---|------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142913 | MVLNEGTS GTA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130524 | KFHPKDIP YQVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130524 | KFHPKDIP YQVW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40167 | LTSGHLKC RVKMEKL QLKGT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11463 | EDVNGIRK PK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17135 | FNCLGMS NRDFLEGV SGATW | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33003 | KQIRDSITE EWS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.046 | 0.037 | 0.04 | t | 32267 | KLYQAQY DLSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77881 | GANYKSPT GFLRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132943 | WQNVSHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 122254 | AGETKPSS SLSIGSIISK SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 149435 | QPQYSQP QQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147197 | PLVQEQQ F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.022 | 0.02 | 0.021 | t | 5962 | CAALASLF LSLGPQQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.094 | -0.094 | -0.093 | -0.102 | t | 127779 | PSRRRRRR KATLAPA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.021 | -0.02 | t | 78819 | RRWQQR NTPFY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.01 | -0.01 | t | 123588 | PKFEQLKE G | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0.001 | t | 55671 | RRPFNIGI NNQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.002 | 0 | 0 | t | 74009 | YGGPANK KNAG | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 74009 | YGGPANK KNAG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 8066 | DELEAETQ NVYAA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.002 | 0 | 0 | t | 8066 | DELEAETQ NVYAA | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 142202 | KISEASRK GLRRDLDA SREA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22031 | GRFKSQD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.03 | t | 133748 | YNAELLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.008 | t | 2046 | AIPLEVIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.01 | t | 7063 | CSQHLPYI EQGMQLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.009 | -0.01 | t | 7063 | CSQHLPYI EQGMQLA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 48331 | PLGFFPDH QLDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.013 | 0.008 | t | 60396 | SQCKLGSV DLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.022 | t | 51924 | QPQQPFP QRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70728 | VRGLYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 103371 | LPADTAA QLTSAGRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153335 | ACNALNQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135752 | RTTEFWK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110588 | GARGPEG AQGSRGE P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 109208 | GPRGEPG T | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113765 | QPGQGQ QGQQPG QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149119 | TFMRVVT DVYRPRLS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.01 | -0.01 | t | 141697 | LEGVYVPP RRQQCLCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141697 | LEGVYVPP RRQQCLCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149055 | GSSLHDI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151671 | KLIVINGKPI TIFQERD | Mus musculu s |

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|---|------|---|---|-------|-------|-------|-------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131082 | SQTTANPS CPAGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133039 | DHLKDYKE SNEIKLK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120408 | APYNVRRRL PPPVEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113729 | PTSPQQP GQGQQPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117095 | TISNRDYIR PMD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103578 | SAAIGLSM AGSSAMI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103125 | DVVQHVA RRPGESPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115430 | PVPQKAV PYPQRDM PIQAFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 37712 | LLQQATR QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 778 | ADTIASGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 114888 | LLCAHKVE QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 92808 | GGKGDDIF VH | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.012 | t | 75371 | YPNQVYYR PVDQYSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.002 | t | 50735 | QFAALGG WGLHQPP PQIFLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 144673 | GTFCGGEE CMRG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.023 | 0.022 | t | 41738 | MILAVQG VQDYINNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.041 | 0.04 | t | 33425 | KSLTER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.007 | t | 42041 | MLQEMG REPTPEEL AER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 118877 | LDVEQLGI PEQEYSC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 95524 | KRQIYTDIE MNRLGK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 10801 | DWEDRYR RE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | -0.009 | t | 59899 | SNSAAGRL ILPEDIKYE VGV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.007 | -0.01 | t | 44864 | NLSCTHPL GSPPPAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.007 | -0.01 | t | 44864 | NLSCTHPL GSPPPAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.039 | 0.041 | t | 72548 | WHQTTTPQ PYLPG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.009 | t | 122135 | LDSRRSYR VRESGLNG VVKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.008 | t | 134003 | AKTQGPY DVVVLP G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.004 | 0.035 | 0.031 | 0.032 | t | 61824 | STPLLYPSL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.019 | 0.029 | 0.03 | t | 24814 | HSMKEGI HAQQKEP MIGVNQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 14409 | ETHVTGGS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 14409 | ETHVTGGS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.009 | -0.011 | t | 10226 | DSSAATKK TAAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | -0.001 | 0 | t | 82374 | FSKRTSAL VSAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0.001 | t | 21090 | GLQYTPS WMLVG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 52292 | QSARRGEK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.041 | -0.03 | -0.031 | t | 22362 | GSGVRVR KRKNVNK QPENLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | -0.003 | -0.002 | t | 52829 | QWELQGD RRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.04 | 0.03 | 0.027 | 0.03 | t | 72489 | WGPISYANGS | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 151817 | CLTSQAAS QRLE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140853 | GEYVQILD AHAAYLN ATPAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.01 | t | 121473 | KKAKAKAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.03 | 0.03 | t | 12225 | EGLTATTF EEDGVAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.035 | -0.017 | -0.018 | t | 7705 | DCHLLGTE ELSGIPPP RGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.009 | -0.009 | -0.01 | t | 38369 | LNVSREVL QESRILRVI KKK | Canis lupus |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114831 | GGCRKELAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137803 | ALADRASSFMVD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110604 | GLTGRPGDAGPQGKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60676 | SRGNHVAPTHYVVESDASQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39391 | LSGQPAVIPDREVLYQQFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45698 | NRLIAFASRGNHVAPTHYVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57704 | SEYPPQPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39391 | LSGQPAVIPDREVLYQQFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46991 | PAVIPDREVLYQEFDEMEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22092 | GRIILSGRPVVDPREVLYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22079 | GRIILSGKPATVPDREVLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22077 | GRIILSGKPATIPDREAVLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 23464 | GYSLFQKEMKTHNEGTSGTA | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 136656 | SSKLTIFIDFHRN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 31557 | KKGSSIGKM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 31352 | KIMSKWVNVFNINAYIMSNF | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.008 | t | 51392 | QLKLNWF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.01 | 0.012 | t | 73558 | YDLNWPQ NA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.011 | 0.011 | t | 49349 | PSDTMQT RHKVNYH SRSES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.035 | 0.04 | 0.04 | t | 136066 | IETDKTSV QV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.04 | t | 136066 | IETDKTSV QV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.018 | t | 132144 | AGPCLLLA PDRCPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151731 | SAQSQRA PDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119468 | ISGKQVTG EVIFQTPLIK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120849 | NSQPEILE RTRAELD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120849 | NSQPEILE RTRAELD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120849 | NSQPEILE RTRAELD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119454 | GGIKKIRLP SDDVWLPD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119467 | ISGKPGPP PMGFHSP LIK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119443 | DLKLRRSS SVGYIS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113879 | SQRSQDEN | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102344 | DAEFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113321 | DENPVVH FFKNIVTP RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102344 | DAEFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.01 | t | 122442 | KPMSNFR FGENHA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.062 | t | 106428 | FVEIYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.029 | t | 52048 | QQKWDA TATELNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 136057 | DISAFAD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.008 | -0.013 | -0.021 | t | 119535 | TQDLGYSR V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.039 | -0.04 | t | 33259 | KRYISWCL WWLQYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.034 | -0.03 | t | 135655 | DVTCNIKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 59922 | SNTFINNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 59922 | SNTFINNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 18759 | GASQSG ASQSGAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.043 | 0.051 | 0.053 | t | 131128 | VEMKKED FDIYDEDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.009 | -0.01 | t | 65635 | TPLFKIIGD EVGLRT | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 117441 | ANNGNLQ LRNKEVT WEVLEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 117107 | VQTDGST KSHRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141613 | DANKKAC CAIRGSFY D | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141613 | DANKKAC CAIRGSFY D | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 109325 | IDGVNH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.022 | t | 140895 | QRRADAV KGYLAGKG VDAGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135756 | SCKDDINS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115206 | DIGSESTE DQAMEDI KQMEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142166 | GLRRDLDA SREAKKQL EAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142166 | GLRRDLDA SREAKKQL EAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.01 | t | 141686 | KKYIKKLEN GRSLEGV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149106 | SITNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115689 | AQILQWQ VLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95816 | SAQSGTSA QSGT | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95815 | SAQSGASA QSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 57746 | SFEEDTEE DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149694 | FGAADFKT LNASKSD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149026 | ANITQSS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136666 | SWSSAERL YTMN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153869 | RDGNPYA VCDKCLKF YSKIS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123123 | EFKSRIEAL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 120180 | RQWKAEF HRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 120180 | RQWKAEF HRW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132924 | WGANPGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 120180 | RQWKAEF HRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120180 | RQWKAEF HRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120180 | RQWKAEF HRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121679 | NVQVLCV ASPLVDVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120180 | RQWKAEF HRW | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121970 | VGNPFRPK NYSGIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103431 | MWELYLA YSEAGFRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95843 | SGTSGPSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95832 | SGPSGPSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95843 | SGTSGPSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95832 | SGPSGPSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95843 | SGTSGPSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41336 | MEECSKHL PLVEHGLQ LAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41322 | MEECASH LPYIEQGM HLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47190 | PDREVLJR EFDMEA CAHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 25791 | IEEVALGH EGEIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 5575 | AVTPLGPP AAEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 1796 | AHLRLPTR TSMKVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 5333 | AVFVTLYM PQLSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 135734 | PGQFPWQ V | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78231 | PHMQLHHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 134769 | QIFNL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.012 | t | 61333 | SSSDKPDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.06 | -0.06 | -0.062 | t | 6956 | CRWPDVLLWC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135560 | IEQAIGRV TPIF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135560 | IEQAIGRV TPIF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116943 | DFRDYSTR PFAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.011 | t | 120066 | LKQQWVD YNLKWNP DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.011 | t | 120066 | LKQQWVD YNLKWNP DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.011 | t | 120066 | LKQQWVD YNLKWNP DD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0.003 | 0.002 | t | 50119 | PYKELRLE VGKQRLKY AQEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.008 | -0.024 | -0.02 | -0.022 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 43224 | NANANNA VK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 29760 | KAASNTFINNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 142200 | KGLRRDLDD ASREAKKQ LEAE | Mus musculus |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | -0.001 | 0 | t | 49335 | PSDPLVYK RQTAKF | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.009 | -0.007 | -0.012 | t | 70362 | VPLPLRSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.007 | 0.01 | t | 50504 | QDPDRRD PYSPSPYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.007 | -0.008 | t | 8565 | DHSAPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.02 | t | 104357 | YGSHSNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156479 | WVHQYKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.052 | 0.06 | 0.062 | t | 125236 | RIEKDTDR DNFMSAE EAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.022 | 0.022 | t | 75904 | YSTPSSILD THPLYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8391 | DGGKMV QV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149962 | SWLQLVTS KSTL | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.01 | -0.02 | -0.023 | -0.02 | t | 4023 | AQPGYPW PLY | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | -0.004 | 0 | t | 32267 | KLYQAQY DLSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.008 | t | 117695 | YITTIAGV M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 114904 | NISKEHDG EC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 128098 | SCWQPGT RTSTSPGV SEDCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136719 | VIKHMRF HADYQAP FLGGGY | Aotus |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133955 | WIMNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117876 | GIMAPPP GMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111156 | CMNKPAY AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99281 | GILVLASVS ATHAKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107434 | GVQVHNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69885 | VLYQEFDE MEECASH LPYIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49082 | PQQPFPQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39379 | LSGKPATIP DREVLRYE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49082 | PQQPFPQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58195 | SGPSGPSG TSPSSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 16962 | FLVNTWK SKKNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1260 | AFASRGN HVAPTHY VTESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 153397 | HTKIHNHP RLPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103061 | ASFLDQVH FQPLPPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140590 | PYHLALAG V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140590 | PYHLALAG V | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 7317 | CVTQTVDF SLDPTFTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.015 | 0 | 0 | t | 139862 | PWYSSAL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.023 | -0.02 | t | 25598 | IDKLCVW NNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.02 | -0.02 | -0.02 | t | 43514 | NDPTQQIP KLVANNTR LWVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.023 | -0.019 | t | 158932 | KTALEARK AADTFNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.017 | 0.011 | 0.011 | t | 46551 | NWNFDFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105545 | TKSSDF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 140933 | YDITGEYV QILDAHAA YLNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 122725 | DLASINLQ RGRDHG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.01 | -0.01 | t | 61720 | STLGNDL RTYNDKDL L | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.039 | t | 133749 | YNLLMHLS SML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 122036 | WNPDD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 65797 | TPVGLAVD TPWVEKES ALSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135944 | KEQFEFAL TAVAEVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135944 | KEQFEFAL TAVAEVC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116085 | EPANPSEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19636 | GFTTNEERYNVFAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | -0.004 | 0 | t | 2594 | ALGQRRADAVKGYLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.056 | -0.056 | -0.05 | t | 35962 | LFRQFYQLDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.023 | -0.02 | t | 69659 | VLNENLLRFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 50218 | QAASAALGALGRFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117968 | KVTWLVSWTENIQGSIKYIM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98979 | REGEPDLSNNFGKLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 67730 | VARALAHGVRVLEDGVNFAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.017 | -0.018 | t | 5597 | AVVGGLGGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.034 | -0.021 | -0.018 | t | 70489 | VPSYSFIRAHDESVQDLIA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.034 | -0.021 | -0.018 | t | 70489 | VPSYSFIRAHDESVQDLIA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 3290 | ANGAGNQPGANGAGNQPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43240 | NANPNANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 112099 | ESGVPDR | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79555 | GHQVSRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142382 | AEDAAEEA KEAAKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124280 | HPLASSVS A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104121 | MNKSYTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 136015 | YHVYEVNL VSEH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136067 | KATI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135934 | GWGSPKV TKDGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123348 | KELPKTLK M | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115598 | ATGMEVG WYRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 104363 | YNKSFFM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113753 | QGQQPG QGQHGG QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95848 | SGTSGTSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95848 | SGTSGTSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95829 | SGASAQSG GTSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95833 | SGPSGPSG PSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95848 | SGTSGTSG PSGT | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95829 | SGASAQS GTSGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 65637 | TPLGPPAA EYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95829 | SGASAQS GTSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95829 | SGASAQS GTSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39382 | LSGKPAVI PDREVLQ AFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 45359 | NPGNAEIE DLIFLAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50105 | PYIEQGM QLAAEFKQ KALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 11966 | EFDEMEEC ASHLPYIE QGMH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 4451 | ASHLPYIE QGMHLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115900 | PQRDMPI QAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 123426 | LGKNPYLR G | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 123424 | LGDKFNM GL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.02 | 0.01 | 0.009 | 0.01 | t | 55070 | RNTNRRP QDV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | 0.001 | 0.002 | t | 28909 | ITGHRMA WDM | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.051 | 0.05 | t | 7818 | DDLDEGIE KSSEELSEE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.034 | 0.03 | 0.03 | t | 9118 | DLIAYKQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 0 | -0.02 | -0.016 | 0.002 | -0.023 | -0.008 | t | 104047 | LNKTFYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 65678 | TPPAYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.001 | t | 61589 | STEQNVP DPQVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 46841 | PAKLLKER GFFGAIAG FLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 16101 | FHENWPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 9586 | DPAFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 44598 | NKSLGACP IR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 61523 | STANAKVL VEIE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 144778 | SGTHPFLD KSFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.009 | 0.01 | t | 137935 | NFNTVRY DYYGD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.003 | 0.002 | t | 47201 | PDSDPQIP PPYVEPTA PQVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.002 | t | 47201 | PDSDPQIP PPYVEPTA PQVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.009 | 0.01 | 0.01 | t | 22281 | GSAMSRP LIHFGN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.012 | t | 124198 | GLLFLGIAL AEEVRKLK AR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.043 | -0.04 | t | 55185 | RPKHPIKH QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.062 | -0.06 | -0.062 | t | 52850 | QWNKPSK PKTNM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.004 | -0.01 | -0.009 | t | 72484 | WGNGCGL FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.033 | -0.032 | t | 74358 | YIQQGNGI FGMIFPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 132928 | WGENFIQ VPVSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.014 | -0.003 | 0.003 | t | 70460 | VPQYLRW FEEWAED FCRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.029 | -0.03 | t | 100117 | HNPTKVTS KVRIYM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.01 | 0.01 | t | 21427 | GNGAGGQ AAGNGAG GQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.013 | 0.01 | t | 640 | ADCTLWF CPQTSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 100411 | QEINLSLEE L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 41289 | MDWNM H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151868 | FRPHGVSA AQEK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123839 | VYEALDAI R | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115560 | WPWHTS HYNTAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79665 | VEGLAPG GGNCHLT VNGEDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153352 | ACVLPWS HVCGGGS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 150854 | HPGGQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153352 | ACVLPWS HVCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153347 | ACRTSNQ WLCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 150854 | HPGGQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123245 | GMLGSTP EE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100384 | PKQQDSL DTKASG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70696 | VRDAMGF PLLDQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47177 | PDREILYQ QFDEEMEE CSRHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 36208 | LGLLQRAT Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99261 | FYFPSRRFS TRYGNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.051 | t | 107084 | AKFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.045 | -0.049 | -0.05 | t | 50070 | PYCWHYP PKPCGIVP A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.045 | -0.049 | -0.05 | t | 50070 | PYCWHYP PKPCGIVP A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.022 | -0.02 | t | 73594 | YDTRCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.011 | -0.009 | t | 68299 | VENGLISR VLDGLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117110 | WNTDFST RAAHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117110 | WNTDFST RAAHT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1262 | AFASRGN HVSPAHYV PESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.03 | 0.037 | 0.041 | t | 39184 | LRRDLEAS REANKKVT SELT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.028 | t | 137399 | FCGLPRLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.009 | 0.01 | 0.01 | t | 45667 | NRDQGRK PTPPTPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0.002 | t | 74871 | YLPVGGLR RIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.02 | 0.022 | t | 52844 | QWKQLQPG D | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.007 | -0.01 | t | 7173 | CTKPTDG NCTCIPIPS SWAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.01 | t | 638 | ADAVSRKK MD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 51853 | QPHGGG W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.021 | -0.02 | t | 55969 | RSSSSHHR SPSPRK | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.024 | 0.007 | 0 | t | 112855 | TTPLTNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.016 | -0.02 | t | 5773 | AYFPREGV FVFNGTS WF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | 0 | 0.001 | t | 144364 | ITDAVITVP AYFND | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | 0 | 0.001 | t | 144364 | ITDAVITVP AYFND | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.023 | -0.02 | t | 94626 | NPTCWAI CKRIP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.004 | -0.008 | t | 14599 | ETWKKPD Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.008 | t | 132108 | VDHLRDR NSGSSSSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.015 | -0.011 | -0.009 | t | 54975 | RNCKKLGP RENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.011 | -0.011 | -0.01 | t | 91211 | DSKLTILV KNGGIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.03 | t | 106976 | VPTQLYNL YPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.014 | t | 147908 | LGLPPFLN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.04 | t | 65485 | TNYISRLRT WLSTP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 135834 | CEFRDGA GSICG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.017 | 0.02 | t | 58060 | SGGSWV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 122140 | LQDSGVH DVAVISEA QAATA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149062 | IPPNPQS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110593 | GFPGPRG PPGPQGA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135982 | RDRSGLAP KRPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120941 | SGLVPEHA DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133468 | YYYNEIKLK ESYKLKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123454 | LPKTLKM WS | Ovis aries |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123148 | ERFIKWPL H | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 104120 | MNKSYHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97595 | QTPLTMA ALELF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97595 | QTPLTMA ALELF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97595 | QTPLTMA ALELF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47182 | PDREVLQY DFDEMEE CASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47179 | PDRELLYR EFDEMEE PSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47125 | PDKEVLQY QYDEMEE CSKAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47181 | PDREVLQY AFDEMEE CASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 925 | AEGEFKTL RNTNRLDP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 925 | AEGEFKTL RNTNRLDP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 4452 | ASHLPYIE QGMQLAA EFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.034 | t | 76485 | YYALDVYA YDVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142485 | YNIYSEKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142485 | YNIYSEKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 136665 | SVPLAKRH LISL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 123243 | GLSRISYDP | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 10665 | DVLNKN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.021 | -0.02 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.03 | 0.033 | t | 95155 | TDHYLQWNVSE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.044 | 0.04 | t | 33220 | KRTATKQYNVTQAFGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.001 | t | 42540 | MSDNGPQSNQRSAPRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.004 | 0.003 | t | 142806 | KATALTYDPYVNYSS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.009 | -0.02 | -0.02 | -0.022 | t | 156895 | KFQNGCAHPCHKKP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 149425 | QGFFQPSQQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.01 | 0 | 0 | t | 44018 | NGKQVESPAPSGHTHLKKPA | Mesocricetus auratus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 30611 | KESQAYYDGRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.001 | t | 65390 | TNPMSTGALLRAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 111165 | CPPLEINTVIQDGD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.076 | 0.08 | 0.077 | 0.08 | t | 134148 | LQSDQEEIDY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.019 | t | 117568 | LKYLEAVEKVKRTKDELEVI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.046 | 0.04 | 0.04 | 0.04 | t | 123496 | MIEGAAM DL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.003 | 0 | t | 75661 | YRPPNAPI L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 78389 | FVRFYNLE TLQQRYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0.003 | -0.001 | t | 3076 | AMDPIYDE PTTTTSVP L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 47538 | PFPQPELP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142424 | GDEFDTYD DIKKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.01 | t | 106822 | SDPAHKAR LERP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 25164 | HYHKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60400 | SQDADYH R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 37716 | LLQSARRG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.001 | t | 80000 | RGTGSYNR SSFES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 104213 | QQFNQQA PLNLENTN NGTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.007 | 0.01 | t | 24104 | HITHSGME GMGVST | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.001 | -0.002 | t | 53667 | REVLREF DEME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 35241 | LDNLGGN G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.007 | -0.01 | t | 78182 | IRRSTL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.013 | -0.02 | t | 108002 | LGWMRY HPQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140934 | YGEEKPAV LGHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110583 | GAPGERG PSGLAGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106316 | CSGTKKLS EEVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110588 | GARGPEG AQGSERGE P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95126 | NTVSGQQ CSNGNML YIGFRG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135671 | FCAGFHEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 143808 | AHKDHVV STWVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 146311 | HQGALGV FAIPEYC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144667 | GREGYPA DGGKIWT SETN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119675 | WNSGALT S | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60676 | SRGNHVA PTHYVVES DASQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39379 | LSGKPATIP DREVLVRE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 20141 | GHIELEGK PALVPDKE VLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.003 | 0.003 | 0.012 | t | 127557 | ACAPVPAE PLSK | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135789 | VTAAHCVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123132 | EKFIKWPL N | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114969 | VCNKDLRP IC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 98908 | NASSELHL LGFGINA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.032 | t | 95819 | SAQSGTSG TSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.023 | -0.02 | t | 45573 | NQLAGRM IP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0.002 | t | 63972 | TGTAYPVP LELTPENA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141927 | INELKKEH TDKIQIVSK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141927 | INELKKEH TDKIQIVSK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.021 | -0.02 | -0.018 | t | 24080 | HIPAYATH V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149254 | ALDKWAS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105279 | LDTTTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 13247 | ELRGLAQA LIDQKV | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.01 | 0.012 | t | 39917 | LTGKPAVI PDREILYQ QFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.02 | 0.03 | t | 52180 | QQYPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.032 | 0.032 | t | 65473 | TNVDQDL VGWPAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.084 | -0.086 | -0.081 | -0.082 | t | 19722 | GGERRRPP LGVREGR GRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.028 | -0.03 | t | 8408 | DGIMHTR CHCGAEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144618 | DSNLDWS HNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.032 | t | 141764 | TLNFNAEG EPELLMLA NWR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.019 | t | 139475 | ATPRAHEV SE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.003 | 0 | 0 | t | 141064 | NSIGLTW QR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.003 | 0.01 | t | 119546 | WTAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151609 | DETPMRG ETRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138862 | KFPED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144820 | YLEDWIKY NNQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151713 | RGEARK | Homo sapiens |

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|---|------|---|---|---|---|---|---|---|---|--------|----------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135569 | KTNMK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130924 | KLFPEEDE MRTETQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120167 | RFQSSAV MALQEAC EAYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133624 | KPGEMRG AA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131274 | VVRF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133531 | CDTLKPGE C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133542 | DGRRDVV VRSATFYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131116 | TQSYPPPP AWRAASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119297 | NTFCDSCI PKTFWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130817 | ESVMQSY PPHLQIPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132143 | AGPCILLA RDRCPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130844 | GDQSTDY GIFQINSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133630 | LPPGLHVF PLASNRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133623 | KPGEMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131075 | SQSYPEPA RGSVPMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130927 | KNSRQSYP EPAPVYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |

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|---|------|---|---|---|---|---|---|---|---|--------|---------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133535 | CKPGEVQ QC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130868 | GQSYPPRP DTSLHVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120155 | QPSPYNG WRMEI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133580 | GFLSSCNF RFCELVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133536 | CKPVENRA C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131040 | RLAPEPDD PITPMTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130808 | ENEPPVW TTESKLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133705 | SSKTRSFG VHLVGPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125415 | FSPDGKPC TPPALNCY W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117614 | QGFPFYDK PMRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133528 | CADQKPG EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103496 | PRGYPGQ V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102423 | FEYQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107166 | GPPGPQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64031 | THGQWN KPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79867 | INNLIVELI RGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 68320 | VEQHHRR TD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97252 | DTPLTTAA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75954 | YTASTRGD LAHLTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67967 | VDGSDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 76185 | YTTGGAQS HTLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75954 | YTASTRGD LAHLTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45932 | NSNNPDW DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59982 | SPAPERRG YSGYDVPD Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55671 | RRPFNIGI NNQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51854 | QPHGGSW | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51853 | QPHGGGW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38304 | LNPKTNKWEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50222 | QACKGKIQALCEN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25146 | HWYISKPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 15981 | FGGETFTP DWMMEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25139 | HWSISKPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18746 | GAQSHTLR GV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25108 | HVTSTLTSL F | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18363 | FWRGDLV FDFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24970 | HTRVTGG VQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32808 | KPNLSSKR SELSQLSM YRVF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17262 | FPCDRLSG YWERGIPS PCVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10433 | DTNNN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 571 | ACKSTQDP MFTPKGCDN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6816 | CPNSLTPA DPTMDY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9232 | DLPDYGDY GEDLFDY | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10320 | DTDSGYD VPDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4907 | ATCDKLF GYYERGIPL CAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.035 | 0.04 | 0.042 | t | 49006 | PQGQGV T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.035 | 0.04 | 0.042 | t | 49006 | PQGQGV T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.042 | t | 49006 | PQGQGV T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | -0.009 | 0 | t | 119508 | QFIGYPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 58464 | SICSNNPT CWAICK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.001 | t | 28676 | ISQAVHAA HAEINEAG R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.021 | t | 107744 | APVDSRTY TRVADHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 151816 | CLTSQAAK QRLE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.027 | 0.03 | t | 47806 | PHDIDLGE SRVVIQDY DNQH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.018 | 0.01 | 0.01 | t | 110962 | PIDVVDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.008 | t | 22132 | GRLITV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.03 | -0.03 | t | 99916 | CIPPLCKLR LHE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.008 | t | 43348 | NAYCDKLC KDKKADS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 135719 | MEEKCSFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127741 | MHSPAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116951 | DLNTNRT QMV LH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116951 | DLNTNRT QMV LH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95842 | SGTSAQSG TSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95842 | SGTSAQSG TSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 95846 | SGTSGTSA QSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135442 | AGLGGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140461 | EVSLHDM NLATH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123638 | PVRLFLEYL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 118451 | KGIIDPTKV VRTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 124281 | HPLATGPH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106883 | SWTPYPDL LSPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110616 | GPSGLAGP KGANGDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 74045 | YGLLAVDP LFKP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22080 | GRIILSGKP AVIPDRELL YR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22087 | GRIILSGRP AIIPDREVL YR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 27555 | IMSGEKPT VEDVVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 11966 | EFDEMEEC ASHLPYIE QGMH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 106861 | SPDWFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.04 | -0.042 | t | 113145 | RARRLIELY KEAGIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.04 | -0.042 | t | 113145 | RARRLIELY KEAGIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.011 | t | 72512 | WGQPHG GSW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 42782 | MTDVNRY RYSNNYEQ EPHIS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.052 | t | 135475 | KRPKPGG W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 41012 | MACMSA DLEVVTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | -0.007 | 0 | t | 96806 | QTELARVQ KA | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 6892 | CQQFLSVR ALC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.018 | t | 95116 | LLPHSNLD HILEPSIPW KS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0.003 | -0.001 | t | 36413 | LHQPPPQI FLKILPQSG PIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.008 | -0.009 | -0.01 | t | 37372 | LLGTTL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.037 | 0.029 | 0.03 | t | 45460 | NPQLGISP SNPSEIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.007 | 0.011 | t | 158947 | LDIDIDPKV KVATLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.003 | -0.01 | t | 146298 | GVYATRSS AVRLRSSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 129973 | SPRSFQKK T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | 0 | t | 29752 | KAALIEEG QRMAEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.009 | t | 55457 | RQNKPPN KPNND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.013 | t | 52090 | QQPFSQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.046 | -0.041 | -0.04 | t | 19006 | GDINKVLE KLGYSGGD LLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.009 | t | 4739 | ASREAKKQ VEKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 48595 | PNAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 128484 | EADDDRRL NKVISELN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95147 | SGHPSEGD PDLAKILEE VRY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.033 | 0.033 | 0.041 | t | 127638 | ELQMTPD SLIYS | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153338 | ACPNFELH WCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106884 | SWYSPNP GDWLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61992 | STVSDQED SEICCS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79556 | GHWTRFA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79575 | IPKARRPE GRTWAQPGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 88987 | SQDINGN RHVPNAEPRET | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46826 | PAIIPDREV LHREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22078 | GRIILSGKP ATIPDREVL LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22079 | GRIILSGKP ATVPDREVL LYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7501 | DAEVAGT QWFDPSG KSPVFG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.037 | -0.03 | t | 122500 | NKQFRNC MVTTL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 139837 | NLSRAPF | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115886 | PHLSFMAI PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115639 | QFRVIGPR HPIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115639 | QFRVIGPR HPIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 128066 | NSYDVL LSGNLKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 119939 | IFAQRLMR YW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 149438 | QQPQQQY PSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 98985 | RIPSGFISYI LNRHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.011 | t | 125051 | FQSKANCL NT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.053 | 0.049 | 0.052 | t | 103372 | LPGEEDLP G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.047 | t | 110785 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.047 | t | 110784 | ARGHRPL DKKREEAP SLRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.008 | 0.01 | t | 37301 | LLFTGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.021 | t | 117614 | QGFPFYDK PMRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.029 | -0.032 | t | 11532 | EECQLPSL KIFIAGNSA Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.039 | -0.041 | t | 72551 | WHRPPW WPSSSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.029 | -0.027 | -0.021 | t | 117399 | VMIKSLPA LNSPTVEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 27959 | IPNGTYRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.063 | 0.059 | 0.06 | t | 68092 | VDVVTGA T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 135483 | MDRHDFG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.003 | -0.01 | t | 108052 | NWLSLITA AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.013 | 0.011 | t | 62016 | STYQYIYNL T | Sus scrofa |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0.006 | 0.003 | t | 76242 | YVCLPPER D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.001 | t | 150855 | HPGGSQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.059 | -0.056 | -0.06 | t | 99823 | IPPNWHIP SIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 105497 | RHDSGYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.013 | 0.003 | 0.012 | t | 119570 | ETGETVEE GLYAVPLP KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.043 | -0.042 | t | 99005 | SLAMAAS DIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.019 | 0.001 | 0 | t | 14690 | EVFCVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.019 | 0.001 | 0 | t | 14690 | EVFCVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115464 | QYTDAPSF SDIPNPIGS ENS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149055 | GSSLHDI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131250 | NHVQAW EQFWDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108167 | TRAFGNEA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108167 | TRAFGNEA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79254 | ICADDEE WYSAMCA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135174 | NKKITSSKK IRLLYT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 147441 | YTLRGTSIF GLAP | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131058 | SATTANPS CPEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110587 | GARGLTG RPGDAGP Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 104126 | MNKTFWF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 73496 | YCIEAKLTN TTTASRCP TQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 63916 | TGPCKTCT TPAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133722 | TSKSKYPL VV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112401 | WLAHIW W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 97169 | ADPVATKP L | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 110424 | SGTGGRT GYIPLGTR PPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 107435 | GVVIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.004 | 0.008 | t | 118646 | VAVTMGP KGRTVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 131766 | YCQTWGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.021 | 0.02 | t | 97735 | VKEVASKT ND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.012 | -0.019 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99834 | QGQQGYYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99834 | QGQQGYYP | Mus musculus |

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|---|------|---|---|------|-------|-------|--------|-------|---|--------|-------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99834 | QGGQGGYYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.001 | 0.003 | t | 65678 | TPPAYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.042 | t | 125250 | SDEFNPCE DIMGYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 123519 | MRYIADK HG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.023 | 0.027 | 0.031 | t | 20097 | GGYGDGG AHGGGYG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144811 | VSWLSKE WAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144600 | CQREFALK HL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144619 | DYIWNTL NSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144644 | FRQQHGK TVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144697 | IYRNLYWE GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144783 | SHVVTML DNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144700 | KEWAKRA ALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144759 | RAALPSHV VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144614 | DMMYGG MRGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144823 | YWEGSGI GAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144616 | DPRYTCQR EF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144649 | GIGAIDSN LD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144594 | ARGISRTK YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144639 | FAQAYAR GIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 118568 | QKIGIEIKR TLK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.027 | 0.021 | t | 141934 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138812 | SSVLYGGP PSAA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134804 | TIFILFCCSK EKRRKKQA AT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135471 | KDKATFGC HDGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119601 | KGNNVHG FQKQIIRSF Y | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120849 | NSQPEILE RTRAELD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120849 | NSQPEILE RTRAELD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113879 | SQRSQDE N | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113879 | SQRSQDE N | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.037 | -0.033 | t | 122407 | IFMYHNN RRYHTCG GILL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.034 | 0.02 | 0.016 | t | 146012 | SSPSTPLLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.035 | 0.03 | 0.032 | t | 61409 | SSTQVQHT LLQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.039 | -0.029 | -0.027 | t | 110965 | PNNNKILV PKVSGLQY RVFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.032 | 0.04 | 0.044 | t | 141748 | SLLTEVETP | Mus musculus |

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|---|------|---|---|------|-------|-------|------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.032 | 0.04 | 0.044 | t | 141748 | SLLTEVETP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 99877 | AEQYTHQ DEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115896 | PPKKNQD KTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115277 | GYDTQAIV QN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79044 | PNPNPNP NPGTTLS ESFEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 158583 | APPHLPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132143 | AGPCILLA RDRCPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119627 | QDWLNGK E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131080 | SQTTANPS APEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115845 | LHLPLPLL QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115463 | QYLYQGPI VLNPWDQ VKRNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103744 | YDREKLQE RLAKLAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61333 | SSSDKPDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96967 | TKEKPTPP VK | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58293 | SGVLTTC GNTLTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58293 | SGVLTTC GNTLTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10832 | DWVCSILT DFKNWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 16354 | FKDKVLGL LQRASQQ EAEIR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7501 | DAEVAGT QWFDPSG KSPVFG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 137896 | IANGYRDV VADV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 137896 | IANGYRDV VADV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115913 | QAQPTTM ARH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.01 | t | 38007 | LMDHEGC KLSCFIRP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.011 | t | 23961 | HGTIVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.008 | 0.023 | 0.022 | t | 14695 | EVFLISED L KTPINITNS NS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.009 | -0.01 | t | 117010 | IRTDESTKR LPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 17590 | FRGKELKK SIQPDEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.001 | t | 23685 | HEGKAYFP REGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.033 | 0.032 | t | 106313 | CQQYGSS PQTFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.02 | -0.019 | t | 159035 | NRFEHQM WESVRDE LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.031 | 0.03 | t | 47209 | PDTAKEKP QEGTVVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 9591 | DPAKAAF D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.019 | 0.021 | t | 135725 | NITQSTQS FN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.013 | 0.01 | t | 43701 | NENKLCIK LGQGLTFN SNNI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.022 | t | 91903 | RNERATGS GNGSGGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 74136 | YHRVMYA SSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.033 | 0.037 | 0.033 | t | 103477 | PGSGFWS FGSEDGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.019 | -0.023 | -0.029 | t | 122105 | GRTSRTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.014 | 0.023 | 0.032 | t | 136062 | FGISETQA EAILE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 94623 | NPACGRH | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.019 | 0.02 | t | 73784 | YEVRAELP GVDPDKD VDIMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.01 | t | 35247 | LDPAFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | 0 | 0.003 | t | 58511 | SIFYTYGTA PARISVPY VGI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.011 | 0 | 0.003 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.017 | -0.019 | t | 118809 | GGRPGAP GGSGSGP RHRDGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.041 | 0.03 | 0.028 | t | 111415 | IFEMFNEN QKAGGIE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.036 | 0.031 | 0.028 | t | 54494 | RLCSVSYP EPSLLWTS SCFD | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 107592 | REQQYNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 127802 | RLGGEGP GAGDRRR E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115235 | EQQQTED ELQDKIHP FAQTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115459 | QTEDELQ DKIHPFAQ TQSLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137514 | AIPAGVAH WCYNEGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133602 | HSIYSEWQ PMWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119630 | QQGNVFS C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98944 | PSQQQPQ EQVPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116979 | FQTD MST RPRGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115291 | ILDKVGINY W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115291 | ILDKVGINY W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116979 | FQTD MST RPRGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79508 | AHKSTLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144663 | GREGYP A DGGGCKIT CFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121678 | NVLTLRVA KPLVDTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121678 | NVLTLRVA KPLVDTF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115433 | QDKIHPFA QTQSLVYP FPGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79510 | AIWQHGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97287 | ETPLTETAL KWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97287 | ETPLTETAL KWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 66901 | TTVQQQF ADAWKPS PVMTVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 92809 | GGKGDDIL DG | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97287 | ETPLTETAL KWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 63922 | TGPCRTCT IPAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39372 | LSGKPAIIP DREVLYQA FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 49106 | PQQQFPQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39404 | LSGRPVIV PDREVLYR EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7395 | CYKKVWR AHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 93332 | LSSLQFAR AA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.007 | 0.011 | t | 302 | AALTAENT AIKQRNEN AKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.005 | -0.01 | -0.01 | t | 62773 | TAACRAAK LQDCTM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.018 | t | 47544 | PFPQPQQ PFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.023 | -0.022 | t | 113876 | SPQQSGQ GQPGYYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140854 | GFDKYDIT GEYVQILD AHAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.011 | -0.009 | t | 135734 | PGQFPWQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.056 | 0.057 | 0.06 | t | 97762 | VVCAMIE GAQGALE RE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 48752 | PPAVGPP AAGPPAA GPPAAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 51908 | QPQPFP QQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42795 | MTEQQW NFGIEAA AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.009 | t | 153254 | ERHTKFPS V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 131866 | EPLEVFISA PRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.029 | -0.03 | -0.031 | t | 21928 | GQPAVRN ERATGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.059 | 0.053 | t | 130808 | ENEPPVW TTESKLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.036 | 0.04 | t | 118011 | LYKEKALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.022 | 0.02 | 0.02 | t | 23589 | HCDGFQN EKWDLFV E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.051 | t | 134333 | CIPIPSSW AFARFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 99371 | KEDQEEEN QGGKGPL | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 147218 | QGSFQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151670 | KLVIIESDL ERAEEERA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119618 | NHYTQKSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123593 | PLNGWAA SF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103931 | GKLPKMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115258 | FYPELFRQ FYQLDAYP SGAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114975 | VLCNRAFNPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103195 | GASVTVTG QGNSLKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 68167 | VEEQEQE QEEQEEQ ELE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56771 | SAFDDNLT AANAMGL ILNKR | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56771 | SAFDDNLT AANAMGL ILNKR | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39379 | LSGKPATIP DREVLRYE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22124 | GRLHINQR TVVAPDKE VLYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19728 | GGFSSDPG FLLRPRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19728 | GGFSSDPG FLLRPRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6075 | CCRHKQK DVGPVKQ TLPPS | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 118452 | KGVITVKD GKTLN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123579 | PGMIPPP G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78312 | WLHYYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.048 | 0.05 | 0.051 | t | 21933 | GQPQAQG DGANA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.007 | -0.01 | t | 51933 | QPQQSFP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.026 | 0.03 | 0.029 | t | 112728 | YIKGSGST ANLASSNY FPTP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.03 | t | 135498 | SCKLPVKK ATVVQGE RVKIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 65519 | TPCILSGSA S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141978 | PKGQTRTL GSNRERER I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141978 | PKGQTRTL GSNRERER I | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.007 | t | 42717 | MSWQAY V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.013 | 0.02 | t | 135445 | AKAAQFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.032 | t | 99838 | QQRPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.011 | 0.01 | t | 135736 | PRIGGQRE LKKITE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39917 | LTGKPAVI PDREILYQ QFDE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.022 | -0.02 | -0.02 | t | 142288 | SEASRKGL RRDLDA SR EAKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.032 | t | 137399 | FCGLPRLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.003 | 0 | t | 158728 | DVKKAFKV IDQDASG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.026 | 0.029 | 0.03 | t | 72466 | WGENDTD VFVLNNTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7488 | DADYHRV M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.039 | -0.047 | -0.051 | t | 25224 | IAAISM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 117059 | PQTDGSTR PRGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 45702 | NRLIAFAS RGNHVSP RHYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.013 | t | 79367 | RGDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.028 | t | 135465 | GSDYEDRY YREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | 0.003 | 0.002 | t | 33143 | KRGPGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 99621 | RNAMRHL RPEDTLEE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132120 | WGDGQKS SQGWSVS A | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113686 | PGQQQQG QQPGQG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153473 | THRPLSHN FRDFGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134809 | VASPERPS PAFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131082 | SQTTANPS CPAGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121680 | NVQVLSV ARPLVDYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121680 | NVQVLSV ARPLVDYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110804 | DIMRLREK LQEEMLQ REEAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79841 | GKPALELIR MVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79841 | GKPALELIR MVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 60796 | SRSERRKD RGGREDIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 63540 | TESTLSTAL AELAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 62924 | TALVVAQL LRIPQAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 93947 | SRNVLVAP TS | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41668 | MHNISQH QSVMKMS DQNS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39383 | LSGKPAVI PDREVLYQ GFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46827 | PAIIPDREV LYQAFDE MEEC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 127712 | KNWSTPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78762 | PLLPHVIFC HPGQLGA FLTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115904 | PTVMFPP QSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.01 | 0.001 | 0.003 | t | 44251 | NIISCNKN DKNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.009 | t | 36542 | LIGVII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 934 | AEGFPPQ DARFPGG GDPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.012 | t | 117537 | KALSVETE KLLKYLEAV EKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 8636 | DIETPRAG KKESTV | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 17365 | FPQPQFP PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0 | t | 1890 | AIEPCTVG HRRYFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.018 | -0.02 | t | 6233 | CFKKPPKY PPALPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.022 | t | 36807 | LKASSGYC AWPACYC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.005 | 0.011 | 0.012 | t | 82831 | GPTHSKEI PALTAVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.04 | -0.04 | -0.04 | t | 123391 | KRFIKWPL N | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.001 | 0 | t | 120870 | PHVKPAAL AEQPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.007 | -0.009 | t | 141769 | TVPGGGT TYIRAI AAL EGLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 152056 | QAAKQRL EPGRN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94471 | CNPACGP K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 94471 | CNPACGP K | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94471 | CNPACGP K | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94471 | CNPACGP K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0 | -0.013 | -0.013 | -0.011 | t | 55668 | RRPEGRT WAQ | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.017 | 0.02 | t | 159060 | RELTAET KAFLKAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 110198 | CPPDIIPKV EGKTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 105715 | DLESIKGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 71849 | VVTGATVS SQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79447 | VCEHPENK APPCCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78307 | WHSQLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149082 | NPSQGPL | Sus scrofa |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151671 | KLVIINGKPI TIFQERD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 143676 | DRVGLRNL RGYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122478 | LTDTKTGL HFNINEAIE QGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113766 | QPGQGQ QPGQGQP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78228 | PHANMTH I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 88467 | SEDRETRP HGRNNLM RSYNR | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69124 | VITGSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47176 | PDREALYR EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 21057 | GLPDSEPT KTNGKCK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123391 | KRFIKWPL N | Ovis aries |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114760 | CSRFPNAT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 106642 | MHLNTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114869 | KDVLVCNK DL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 106642 | MHLNTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 79235 | GRDGYIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.02 | -0.017 | t | 48996 | PQFKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.007 | t | 71681 | VVGYGWV PAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 141760 | TAPPLLPH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137413 | HAPRWH W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.028 | -0.03 | t | 65948 | TQTLGTT VGGVIW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.02 | t | 75494 | YQGVQKK WD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 101716 | HQPTPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | 0 | 0 | t | 6031 | CASGLTSL FSPGSKQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.03 | t | 133517 | ARLLIGTSP DFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.031 | 0.03 | 0.032 | t | 59227 | SLKLMATL FSTYASAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | -0.003 | 0 | t | 141619 | DLNLIGFGI NAKNNQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 68449 | VFEEAFFSFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.019 | -0.018 | t | 2046 | AIPLEVIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.048 | -0.05 | t | 96211 | EDKKRKEE EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 132027 | QCSTIGQ MPNNQSI N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 132801 | ELYRQKVE PLRAELQE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.049 | 0.052 | 0.052 | t | 106522 | HVTPISKL MWFN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.007 | 0.01 | t | 133635 | LSRSTKEY NKLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.01 | -0.025 | -0.023 | -0.02 | t | 75872 | YSRCGSGP RITP | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.036 | 0.039 | 0.04 | t | 53100 | RAFMAV MHFSLTA DRIDDDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.018 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 74053 | YGLTTLFD PGPRQQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.004 | -0.009 | -0.009 | t | 72483 | WGNGCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.053 | 0.057 | 0.06 | t | 46849 | PALDKLKL TGDEATG A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.053 | 0.057 | 0.06 | t | 46849 | PALDKLKL TGDEATG A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.029 | 0.031 | 0.03 | t | 16375 | FKHKFAEL LEQQKAA QYPSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.061 | -0.067 | -0.06 | -0.058 | t | 9949 | DRARRLL WWHYNC L | Anas platyrhynchos |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 118478 | KVISELNG KNIEDVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.017 | 0.021 | t | 30951 | KGGWFGK HRGQGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115901 | PQSVLSLS QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141575 | WKAQKRF MKKSG | Rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149112 | SSPNTTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135677 | FTRVVGGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103737 | WRSLDVE MTAVQRS F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115850 | LPVPQKAV PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117088 | SRLPLSQP SPNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79641 | SGIAVNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153419 | LTPPPWQ NPFPFGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136594 | RHYQNFQ FHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153419 | LTPPPWQ NPFPFGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119548 | YRKSSAE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 100076 | GPPGEVM GRAIARVA DTIGS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78229 | PHMNNFH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39379 | LSGKPATIP DREVLYRE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47181 | PDREVLYQ AFDEMEE CASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22078 | GRIILSGKP ATIPDREV LYR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22082 | GRIILSGKP AVIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22125 | GRLHLINQ RAVVAPD KEVLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22080 | GRIILSGKP AVIPDRELL YR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22105 | GRIVLSGR PAIIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 135752 | RTTEFWK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115743 | FPPQSVLS LS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 149066 | LLATQPA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.031 | -0.03 | t | 53239 | RAVTPLGP PAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.005 | -0.001 | t | 144382 | KIQTSEHC CGVKGP DYKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.018 | -0.02 | t | 79041 | PKARQPE GRAWAQ P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.028 | 0.03 | 0.03 | t | 64645 | TKPTDPTG IEPDDH | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 55067 | RNTNRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.018 | -0.011 | -0.008 | t | 13678 | EPKIGLPG PPSAPVP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.008 | -0.01 | -0.01 | t | 141757 | SVVPSKAT WGFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.02 | t | 48664 | PNKTACM YGGVTLH DNNRLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.002 | t | 11813 | EENVEENV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.001 | t | 7559 | DAKFRPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 140507 | TKTWQSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.031 | -0.04 | t | 119503 | NRKLKSN MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.033 | 0.033 | 0.033 | t | 115302 | IVTAGEER AVTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.024 | -0.027 | t | 115832 | KTGQFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.037 | 0.04 | 0.044 | t | 61996 | STVSSEAN AEDVVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 94470 | CNPACGP | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94470 | CNPACGP | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.01 | -0.009 | t | 46792 | PAFGANS NNPDWDF NP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 112540 | HVQLAPPI ALRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.003 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0.005 | 0.003 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.019 | t | 144597 | CFLTAAGY GGGLPDS VKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 102153 | TQYTAYSP VPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94617 | NPACG | Capra hircus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94467 | CNPA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94467 | CNPA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 94467 | CNPA | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.029 | 0.037 | 0.04 | t | 3080 | AMEDIKQ MEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.021 | t | 140077 | VQIINKKL DLSNVQSK C | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.023 | -0.022 | t | 105306 | LPQQCGLR APQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 114972 | VEQGASV DKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149045 | FNVTQGP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123840 | WAASFGA GD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104039 | LIKCDERG KMIPSDLE RRIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95127 | PDITFTVT MRRRTLYY GLNL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6074 | CCRHKQK DVGDKVQK TLPPS | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 137747 | DTPLTYAG LRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 137747 | DTPLTYAG LRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 98396 | QQQQFLG QQQPFPP QQPY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 98396 | QQQQFLG QQQPFPP QQPY | Homo sapiens(human) |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 47191 | PDREVLRYR EFDEMEEC AAHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.01 | t | 10298 | DTAWDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | -0.002 | t | 130607 | SHNLVSSA FPSA | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.07 | -0.063 | -0.069 | t | 126137 | GLKKMLRT CAVHITL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115879 | NYYQQKP VAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0 | t | 78695 | KDTNNNL YNGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 123180 | FLEYLGEKY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0 | t | 145799 | GLIADSVK DNQITSAL STQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70670 | VQWMNR LIAFASRG NHVAPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1260 | AFASRGN HVAPTHY VTESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 47839 | PHKAAVD VGPLSVGP QS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.003 | 0 | t | 82531 | GADLAAA QAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | -0.001 | 0.002 | t | 133798 | DKIRGEG MRYIIILD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.021 | t | 24015 | HHRGAAP NS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.037 | 0.039 | 0.04 | t | 29832 | KAISQIQES LTTTSTAL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.01 | -0.01 | t | 29756 | KAANYQY NYLRDGE QVTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.01 | -0.01 | t | 29756 | KAANYQY NYLRDGE QVTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 144099 | TLQQNMP LALVW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.009 | t | 68969 | VIGHEITH GFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | 0 | -0.007 | -0.01 | t | 42652 | MSRLWL MKAHGISS E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.003 | 0.01 | t | 135931 | GDVEEAIE RAVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.012 | t | 32807 | KPNLSSKR SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | 0.001 | 0 | t | 30597 | KERSSLRY GNVLDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 47026 | PCKPLLRD DITFMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.012 | -0.01 | t | 4247 | ARRPEGRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.007 | -0.007 | t | 115230 | ENPVVHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.037 | -0.04 | -0.043 | t | 58941 | SKSRGATG K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 74476 | YKLPDHVR T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139225 | REAEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 117700 | YSPTSPS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0.003 | t | 868 | AEEAFDL WNECAKA CV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.03 | t | 139891 | SAKLAEQY DTFVKFTY DQ | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.033 | 0.043 | 0.042 | t | 106885 | SYELTQPP SVSVSPGQ TAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 122034 | WNPAD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 95728 | QPPVSQF HIQGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | -0.002 | t | 2157 | AKAVYQQ FVEFYEKV TGTDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.018 | 0.015 | t | 37638 | LLNYIDEN KLYLIGSAE YE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 63811 | TGEDPGFF NV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123860 | YEEHLYGR D | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149433 | QPLSQVSF QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149433 | QPLSQVSF QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 109779 | QVSLTCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103729 | WGPSSDP AWERNDP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 66681 | TTKPKEVP TTKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 30980 | KGIPNTKA P | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|-------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 30980 | KGIPNTKAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135754 | RYVNWIKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141576 | WKLRKWF FKDGG | Rattus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132009 | PPEFRPGE PWKGYPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115893 | PNSLPQNI PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108269 | AKYSNQRAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 80031 | SPDAHVPF CFGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 80031 | SPDAHVPF CFGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41322 | MEECASH LPYIEQGM HLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39401 | LSGRPAVI PDREVLRY EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46989 | PAVIPDRE LLYREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47183 | PDREVLRYQ EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50911 | QGMQLAA EFKQKALG LLQTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39399 | LSGRPAIV PDREVLRY EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47179 | PDRELLRY EFDEMEEC PSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39384 | LSGKPAVI PDREVLRY EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 11966 | EFDEMEEC ASHLPYIE QGMH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7146 | CTGFSNLF NLGSQQK V | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 151068 | VGSSRYSK KFKPEIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79143 | ACNMLR WDKTIPCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79606 | LPYTMWV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 109857 | RRDSGGFE QIWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.052 | 0.04 | 0.038 | t | 94496 | EEEEYMP MEDLYLDI LPEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79359 | RCGPASRE KHALCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.003 | -0.01 | t | 8464 | DGNPPEV KSVGLGN VNGVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.03 | 0.032 | t | 51979 | QPTQMSA QEDLGDD TGIHVI | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.031 | -0.03 | t | 149479 | STTIAPFGI F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.015 | 0.017 | 0.02 | t | 78111 | CLVRTPEV DDEALEKF DKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.003 | 0 | t | 74056 | YGMEIRPL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.006 | -0.009 | -0.012 | t | 52487 | QTCKTVDS NDCL | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.005 | 0.003 | 0 | t | 95370 | EVGYTRAE GLYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.02 | t | 66675 | TTKGENFT ETDVKMM ERVVE | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.038 | t | 117495 | ERDRKREK RKPKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 97326 | GEGQFND AE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115211 | DSPEVIESP PEINTVQV TST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135461 | GGLGVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 108376 | GASGDIAK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115877 | NVPGEIVE SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123168 | FGGGDAA PA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104125 | MNKTFVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103476 | PGQGAYA AANSWVD V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78384 | FPAGVAN DPSVAGPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 142413 | EIAAEVAK AKVAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135677 | FTRVVGGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121674 | NVKKLLVA KPLVDWF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 105007 | TWDANKP YSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110595 | GIAGAPGF PGPRGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0 | 0.013 | 0.013 | t | 8475 | DGQPAGD RADGQPA GDRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.011 | t | 153358 | AHPPWPL QYVFRGG GS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.002 | t | 121858 | SKLIKIFQD HPLQKTYN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.022 | t | 133640 | LYVEDISEP PLHDFYCS RL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.009 | 0.01 | t | 44907 | NLTTWNP T | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141616 | DIKGNL VHDEYTKY I | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141616 | DIKGNL VHDEYTKY I | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.007 | 0.01 | t | 115484 | SFSDIPNPI GSENSEKT TMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.025 | -0.03 | -0.03 | t | 49893 | PVKKPVAL KVKAKN | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38150 | LMVPKPQ GPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.02 | t | 106407 | EVPKHCGI VD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.049 | -0.047 | t | 125509 | NLYSNRSA VTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135930 | GDKVSFFC KNKEKKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.009 | t | 153252 | DHQLDPA FRANTAN P | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.01 | t | 109962 | SVMHEGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106407 | EVPKHCGI VD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.029 | 0.03 | 0.034 | t | 34065 | KVKEISNQ EPLKI | Myodes glareolus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.024 | 0.033 | 0.04 | t | 112716 | VVSTDEYV ARTNIYYH AGTS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 144678 | GTQPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.027 | 0.03 | t | 97762 | VVCAMIE GAQGALE RE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.027 | 0.03 | t | 97762 | VVCAMIE GAQGALE RE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.027 | -0.04 | -0.043 | t | 4427 | ASGLVSMF SV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | 0 | -0.008 | t | 106652 | MHTPNRSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 114873 | KPDCTAED RP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123106 | EALDAIRYL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135739 | QFCKNSA D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158304 | SSRPSPPS KVSS | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 124278 | HPLAPVPR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115881 | PEINTVQV TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113474 | GQQGQQ PGQGQQP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 98779 | FPPQQPYP QPQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103017 | AFDLDRLL FKRNICH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50105 | PYIEQGM QLAAEFKQ KALGL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 6077 | CCRHKQKI VAPVKQTL PPS | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112306 | SDHKNYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 100153 | INDQIKFII N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112345 | TCSFSGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 102709 | PCKKMCT VSDYISELY NKPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115835 | KVLPVPQK AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.019 | t | 97223 | AWNPSLL G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.035 | 0.03 | 0.03 | t | 118139 | SIPWKSLL LTLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.03 | t | 113211 | VPVLAFDA ARLRLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.042 | t | 103993 | IPPSLRTLE DNEERMS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 32769 | KPKHKKLK QPGDGNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 32769 | KPKHKKLK QPGDGNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.009 | t | 116338 | GLSATVTG GQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.012 | t | 66107 | TRTIGGSQ AQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.001 | t | 42196 | MNDIQIKT ITIYI | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.001 | t | 42196 | MNDIQIKT ITIIYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.023 | t | 79926 | MASMTG GQQMG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142426 | KAAYGLLK TKNQYVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.009 | t | 76185 | YTTGGAQS HTLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.01 | t | 81394 | EASGPTHS KEIPALT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.013 | 0.02 | t | 135980 | QSRRRGD MSTLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.078 | -0.08 | t | 110652 | LCLIGCKPP IGEHWGK GSPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 118172 | TEKLLKYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.013 | 0.02 | 0.021 | t | 53633 | RESNGETK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.021 | t | 53633 | RESNGETK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.013 | 0.01 | t | 159000 | LWGDGVL ESDLIIPIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.025 | 0.029 | 0.03 | t | 37810 | LLSNTDNA SFPQMTKS YKNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.052 | 0.04 | 0.037 | 0.04 | t | 156866 | FGSSSAG | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.031 | -0.03 | t | 60671 | SRGKGPG KKNK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.001 | 0 | t | 16552 | FLDLPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.009 | -0.009 | t | 56996 | SASQLSAP SLKATCTT HHDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.008 | t | 136827 | DFGSVGG VL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.031 | -0.03 | t | 52000 | QQACKGKI QALCENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.031 | -0.03 | t | 52000 | QQACKGKI QALCENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.018 | t | 23934 | HGPDWAS P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.031 | -0.02 | -0.018 | t | 74478 | YKLTRPYM ARC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 134694 | ISPFCLK | MD |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.021 | t | 59982 | SPAPERRG YSGYDVPD Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.012 | t | 37310 | LLGACFSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.003 | 0 | t | 42694 | MSTNPKP QRKTK | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 121442 | KAAEQTA AREQAKE A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149132 | YLENATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112801 | LATPNPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153335 | ACNALNQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149423 | QEQVPLV QEQ | Mus musculu s |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149423 | QEQVPLV QEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119474 | KIRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119474 | KIRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110427 | STWPTTPP RPIPKPSP WAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106310 | CLHFVKGE EK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100646 | YAKEGYEP VL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63391 | TEHRDYHP QQRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 68099 | VDYLKEKE KDQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47180 | PDREVLHR EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42652 | MSRLWL MKAHGISS E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46826 | PAIIPDREV LHREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 18887 | GCNCSIYP GHITGHR MAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149028 | AVTNATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 97676 | TAWNPSLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.009 | t | 56434 | RVTVSTRR SQQTIPNI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.008 | t | 47545 | PFPQPQQ QFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | -0.003 | -0.001 | t | 66683 | TTKQRQN KPPNK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.006 | 0.01 | t | 67529 | VAANNAK NTEIAAAN EEIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.011 | 0.01 | t | 7155 | CTIAALGSS DRDTVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.011 | -0.01 | t | 46240 | NTREVFA QVKQMYK TPT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108312 | DHDRVIHI QAENGPR LLVEA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156959 | SLHTTQR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.049 | 0.042 | t | 130987 | NPVENM MDRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 148820 | QPYLQLQP FP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156840 | AAPKMCS TWCQMW Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156840 | AAPKMCS TWCQMW Q | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.042 | 0.037 | 0.038 | t | 53557 | RELEELNV PGEIVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.024 | -0.034 | -0.04 | t | 142224 | LLDTKGGL YRWRSVP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39917 | LTGKPAVI PDREILYQ QFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.008 | 0.013 | 0.023 | t | 30299 | KEALDKYE LENHD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 71877 | VVVLGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 127984 | FTNLKFKV RKITSSHR GN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.011 | t | 153420 | MDWINPF PNFNSSGG GS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.035 | 0.04 | 0.042 | t | 11208 | EAVEAERA GRGTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.008 | 0.013 | 0.01 | t | 2226 | AKKVPETF PELKPGES RHTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.045 | -0.04 | -0.04 | t | 47994 | PITARIHA HLKAYA | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.047 | -0.05 | t | 49637 | PTGQIHW GNLSKIGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.01 | -0.02 | -0.02 | t | 74497 | YKQKIAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.01 | t | 105830 | GKSGDRS GYSSPGSP GTPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149090 | NSTQGPV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 142473 | SEAKDGS HGEKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 142436 | KVAATSLE RWQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105540 | TDNELA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121682 | NVSDLTVA GPLVDLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121682 | NVSDLTVA GPLVDLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98694 | ALQTLPA MCNVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106736 | QHYSPTP WQQWT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104877 | LDQRSSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115184 | APLRVYVE ELKPTPEG DLEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149721 | GLMPSVL QNWEIGV Q | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119666 | VMHEALH N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111552 | MKVSNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97348 | GLFGAIAG FIEGGW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 36427 | LHSTSSDG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137516 | ALVLPHW NLNSHSII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115993 | TEIPTINTI A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 98869 | LEKFDKAL KA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.028 | t | 135462 | GGVPGV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.019 | 0.021 | t | 46179 | NTMDVIK KMLADQT V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.039 | -0.041 | t | 103361 | LLDIYRKLR PGEPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.058 | 0.043 | 0.034 | t | 65119 | TLVDITDTE TSAKPPVT TAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 149442 | QQYPSGQ GFF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.049 | -0.051 | -0.05 | t | 11575 | EEEEEDG FMGFGMF D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 45538 | NQELAYFY PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 105206 | GAIIGLMV GGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 37315 | LLGCIGSTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 37315 | LLGCIGSTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 10109 | DSESGGHI TH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 140545 | CGVDGRW PRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.027 | -0.029 | t | 144759 | RAALPSHV VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.015 | -0.01 | -0.008 | t | 98081 | GSVQFVPI QN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.025 | 0.03 | 0.032 | t | 94037 | TIQNWFR EAD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.009 | t | 23156 | GVSTANA TVYMIDSV LMPPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.028 | -0.03 | t | 70002 | VMPECLSR LCDFDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0.001 | t | 4149 | ARGSLAVT I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 3514 | APDTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94444 | CCHPACG KH | Capra hircus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.029 | 0.027 | 0.02 | t | 112337 | STRESGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.021 | t | 32568 | KNNNNEE PS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 136081 | R TTLQSDQ EEIDY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.041 | -0.03 | -0.028 | t | 111219 | DVNVYHIF FQMSLWL PSEAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149076 | NATQAST | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132870 | MQTLTLQ EAMQQGY S | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103479 | PGYPVAG QVWEATA T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110922 | KQMDIKSI NDLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110922 | KQMDIKSI NDLQ | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 153400 | IPFHKHPH HRGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148569 | DKSKLRDV KDNKSTD VKL | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148569 | DKSKLRDV KDNKSTD VKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137742 | DTPLTHAG LKL V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153400 | IPFHKHPH HRGT | Mus musculus |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110584 | GAPGFPG PRGPPGP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108299 | CKYWLSRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75876 | YSREQLNK MFGIEIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79904 | LGAAASSP DAHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49118 | PQRPFAQ QPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49118 | PQRPFAQ QPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 146066 | VPKVSGLQ Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 124737 | SPWTLGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123850 | WSDFLGK NP | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112398 | WFAYWG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115484 | SFSDIPNPI GSENSEKT TMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103620 | SVPANVSR RAKVDVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 66238 | TSGTSGPS GTSPSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 31351 | KIMSKWV NTFNINAY IMSNF | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 3880 | APTYSWG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.01 | t | 7147 | CTGGLVSL FNPGPSQ D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 115603 | ELKVEDPF YWVS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 61944 | STTNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.008 | -0.019 | -0.02 | t | 72561 | WHWTWL SDYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.008 | -0.019 | -0.02 | t | 72561 | WHWTWL SDYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.009 | 0 | 0.002 | t | 139225 | REAEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 149434 | QPQPFLP QQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 149535 | YPQPQPFL PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117110 | WNTDFST RAAHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117110 | WNTDFST RAAHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.02 | -0.01 | -0.009 | -0.01 | t | 22220 | GRTWAQP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.017 | 0.013 | t | 103104 | DFLIEEIERL GQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.02 | t | 81565 | EIPALTAVE TGATNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 46353 | NVDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.067 | 0.07 | t | 142006 | SDSAQGS DVSLTA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.01 | -0.009 | -0.01 | t | 148221 | SDGAVQP DG | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.028 | -0.033 | -0.041 | t | 122564 | RTAGFDIK LIDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.01 | t | 122874 | PPARALKR SLWVEVD LLIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.011 | t | 95160 | TVLLSLTVF MLLVAEI MPAT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 95518 | KQKIVAPV | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.008 | -0.01 | -0.01 | t | 95518 | KQKIVAPV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111556 | MPLQNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112422 | YWASTRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141667 | HEIGSLAG LAMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149438 | QQPQQQY PSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149438 | QQPQQQY PSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121368 | HDDPQLG AEAQAFTF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121368 | HDDPQLG AEAQAFTF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111556 | MPLQNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 150995 | HLGKCNI A GWILGNP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121678 | NVLTLRVA KPLVDTF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115460 | QTPVVVPP FLQPEVM GVSKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106853 | SLWTPYPD QLSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 66238 | TSGTSGPS GTSPSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97339 | GIFGAIAG FIEGGW | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22087 | GRIILSGRP AIIPDREVL YR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 11776 | EELVEEVIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 38918 | LQND | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 8773 | DIRTLEDLL MGTLGIVC PIC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.026 | -0.02 | t | 67294 | TWRMHLF TGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.04 | t | 3861 | APTHWCY YPPLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.04 | t | 3861 | APTHWCY YPPLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | 0.001 | 0 | t | 135741 | QGETEEAL IQKRSY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.002 | -0.003 | 0 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | -0.007 | 0 | t | 109277 | GVNH | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.057 | -0.051 | -0.047 | -0.05 | t | 22447 | GSPRRPP PGRRPFFH PVGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136085 | TDKATIGF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 774 | ADSVGGKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.022 | 0.02 | 0.02 | t | 119560 | DLVLYNNA DGDFAIK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.019 | -0.023 | -0.028 | t | 140413 | VVLGAHN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.01 | 0.003 | 0.002 | t | 50119 | PYKELRLE VGKQRLKY AQEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 106341 | DIQMTQS PSSLSASV GDRV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.019 | 0.02 | t | 20077 | GGVSAVPF MDYFPSW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.007 | 0.009 | t | 110962 | PIDVVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.02 | t | 117449 | CVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.029 | -0.031 | t | 37627 | LLNQTTARA FPDCA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 133590 | GMVDGW YG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 133590 | GMVDGW YG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | -0.001 | t | 144805 | VCSARHVP EYIEKLPEI RAK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 65932 | TQSFLGTTI SGVLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.012 | 0.01 | t | 66336 | TSNFPCPAG GPCSPHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.011 | -0.01 | t | 36421 | LHSQGYTG SNVKVAV | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.01 | -0.01 | -0.009 | t | 156966 | SVTKLGDP RAPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123511 | MPPMTQ AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79449 | VCPTSEILA GATCR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149088 | NQTQHSV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121670 | NVFQLEVA MALVDGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121737 | QCRLAISR YVSGLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121670 | NVFQLEVA MALVDGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131080 | SQTTANPS APEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105153 | DVTTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60674 | SRGNHDS PTHYVPES DAAAR | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67930 | VDEKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67930 | VDEKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67930 | VDEKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67930 | VDEKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51828 | QFPQPQ QTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22076 | GRIILSGKP ATIPDREA LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119547 | YKKGARPI Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.001 | 0 | t | 135595 | SNKKKRD DFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135928 | GCSAVSA HGCLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 110789 | ARLKSWE PLVEDMQ RQWAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 97734 | VIDPAKVT RV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 97734 | VIDPAKVT RV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 97734 | VIDPAKVT RV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 97734 | VIDPAKVT RV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | 0 | 0 | t | 16760 | FLLVLLDY QGMLPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.039 | -0.041 | -0.04 | t | 55733 | RRRTQKAP KRIRLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.039 | -0.041 | -0.04 | t | 55733 | RRRTQKAP KRIRLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.023 | -0.02 | t | 52829 | QWELQGD RRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.011 | t | 122073 | AEEQARH VKNGLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 50180 | PYVEPTAP QVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 50180 | PYVEPTAP QVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 7171 | CTKPTDG NC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.001 | 0 | t | 59487 | SLSVSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45320 | NPDPPDN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135459 | GACLGKAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.042 | 0.04 | 0.04 | t | 19407 | GERCNLED RDRSELS LLS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.024 | 0.02 | 0.022 | t | 56587 | RYLSQLCS GGYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139881 | RGDKSRPP VWYVEGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1547 | AGHATLRE HLRDIKAE NTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131455 | GSCLEEFR ASPFLECH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.041 | -0.03 | -0.027 | t | 24224 | HLHRFFSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 133686 | RTLDSHWI RVGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.019 | t | 45420 | NPNDPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.019 | t | 45420 | NPNDPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 47805 | PHDGNRA FPRTKVT M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 159041 | NTFVIDGP ETKECPTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.006 | 0.007 | 0.01 | t | 38694 | LPRSNTSS GASPPAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.018 | 0.024 | 0.031 | t | 105039 | YCSPDHNC QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.012 | 0.007 | 0 | t | 119465 | HRKSTVAG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.018 | 0.02 | t | 70427 | VPPPRRKR TIQLDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151665 | KIETELRDI CNDVLSLL EKF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.021 | t | 58560 | SIINFEKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.021 | t | 58560 | SIINFEKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 111856 | TTHYGSLPQK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 111856 | TTHYGSLPQK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.003 | 0.002 | t | 98793 | GEQFMQWFLQEQIE EVALMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7108 | CTARVAGLFNPGSQQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.01 | -0.025 | -0.023 | -0.02 | t | 75872 | YSRCGSGPRITP | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 68865 | VHLDSAFWFVRTDFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.021 | t | 122083 | DPNIKLVLDDCWATS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 43242 | NANPNANPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 37660 | LLPHSNLDHILEPSIPWKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 48125 | PKPQRKTKRNTNRRPQDVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 43242 | NANPNANPNANP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 23032 | GVLAQDV RFSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.033 | -0.03 | -0.028 | t | 67169 | TVSSQSFR RL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 62971 | TAQRCDH S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 144660 | GREGYP DGGASAS ASAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 119617 | NGQPENN Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149064 | LAANLTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 159166 | TRLEHQM WESVRDE LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138209 | NNAKAAV RLGSDMG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149080 | NMTQAA Q | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114818 | FCNAVVES NG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117107 | VQTDGST KSHRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117107 | VQTDGST KSHRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111559 | MPLVSQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140874 | KGYLAGKG VDAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137580 | VIRPSRSQ SERGSES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 138154 | DHRSPPW LTSLLTIS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135460 | GGLGVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123329 | IPPGAMPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123329 | IPPGAMPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99088 | AFDQFRQ TYRQWIIE | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111560 | MPMTPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99242 | FEVKPDKK NPQLQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106363 | DVYWLMP DPPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79539 | EHQTGTW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46829 | PAIIPDREV LYREFDEM EEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46989 | PAVIPDRE LLYREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39399 | LSGRPAIV PDREVLRY EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 28914 | ITGHRMA WDMMVN WS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.01 | -0.01 | -0.01 | t | 4701 | ASQKIQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7395 | CYKKVWR AHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112721 | WHAPQTP YWASM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.021 | -0.022 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.006 | 0 | 0 | t | 134801 | SSATPNRL TWLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.027 | 0.03 | t | 96940 | TAPTKPTY ET | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.035 | 0.029 | 0.03 | t | 6371 | CGYSLFQK EKMVLGC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.068 | -0.061 | -0.06 | t | 9949 | DRARRLL WWHYNC L | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127242 | TRVPMDA FQVGKFPE DFESC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.009 | t | 133748 | YNAELLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.051 | 0.04 | 0.038 | t | 111738 | RPGKEIEA YIFEMFN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.001 | t | 125175 | NNNNFQS KAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.031 | -0.037 | t | 9478 | DNIHVKM FKVIMNN DKSELI | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.01 | 0.012 | t | 137824 | DQAVSLG Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.009 | 0.01 | 0.011 | t | 49335 | PSDPLVYK RQTAKF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 44569 | NKPNNDF HFEVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | 0 | t | 3820 | APSQGGV NSPVNV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.025 | -0.017 | -0.02 | t | 66976 | TVDNPA STNKDKLFA VWK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.018 | t | 3539 | APENKGT G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | -0.003 | -0.004 | t | 106742 | QRRQIEAG LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.048 | -0.054 | t | 142007 | SDWRFLR GYHQYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132471 | MAHRPPS PALASVLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.038 | t | 133749 | YNLLMHLS SML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.015 | -0.017 | -0.02 | t | 95932 | TTRTVNPL GFFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.039 | -0.04 | t | 116944 | DFRYSTRP FAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.018 | t | 42039 | MLQDMAI LTGGQVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.029 | 0.03 | t | 29972 | KAVEKVTE TLLKGAK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151662 | KFSPLTAN LMNLLAE NGRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 131981 | NGWKSTE EEDQGSAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115479 | SEESA EVA TEEVKITV DDKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.001 | 0 | -0.002 | t | 68972 | VIGIINNTV YDPLQPEL DSF | Mus musculu s |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151630 | FSTNWM NQHRPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 125386 | DVSQTSVT ALPSKGLE HLKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110616 | GPSGLAGP KGANGDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 109630 | NQVSLTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135672 | FCGGSIVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 124283 | HPLLPGTA S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111140 | CAEPNNLL C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115787 | IASGEPTST P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110607 | GNRGFPG QDGLAGP K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98956 | QGSVQPQ QLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79344 | QCDAFAV PVEGACM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79384 | SCNSFMIP AQPST | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151044 | PRYAFAM ERNAGSGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 111142 | CALHPPPQ C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78247 | PQNAFDH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78236 | PHSSLWHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.043 | 0.038 | t | 19949 | GGPEEFEG AGDGEPP EDDDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.019 | t | 107228 | REEFRHEA | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.029 | -0.031 | t | 31124 | KHKKVSTN LCTHSFRK KQVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99020 | TELPSIPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 142431 | KKAEEAKK IVDKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.016 | 0.014 | t | 142636 | EQIYRVDL RTLGRYY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.018 | -0.02 | -0.02 | t | 125845 | DSDFPIQN LPYGVFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 68971 | VIGIINNTV YDPLQPEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.037 | -0.033 | t | 121070 | WVYYTCC PDTPYL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156848 | ALTVRCTA PCPQRN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.017 | -0.018 | t | 98787 | GDALAGG AVP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.01 | t | 32790 | KPLHCGDT FCSLNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.032 | t | 133289 | PRSPKM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.01 | t | 97742 | VLNLTAW N | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.012 | -0.01 | -0.01 | t | 19647 | GFVSASIF GFQAEVG PNNTR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | -0.002 | t | 49146 | PQVMFDF A | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.025 | -0.03 | -0.031 | t | 64551 | TKELADKL SNAEASRD K | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.001 | 0 | t | 153251 | AKAFSYW TPFDGKSL YSST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.034 | -0.027 | -0.03 | t | 77791 | NKVSARG CTFYGCW KGLVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.001 | -0.011 | -0.01 | t | 6771 | CPHPDKAS C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 32984 | KQGGENF AYLTAYQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.01 | t | 47730 | PGQAEPP QAFIDEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 20012 | GGSGGSV ASGGSVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.011 | t | 52089 | QQPFPQS QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 129014 | IWAQKTN T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.004 | 0.01 | 0.01 | t | 19081 | GDPTSPD NIDSPNA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 103173 | FKADEKKF WGKLYEI ARR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108269 | AKYSNQR AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 148888 | QQSFPQQ SQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149411 | PQFEEIRN LA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133528 | CADQKPG EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133528 | CADQKPG EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131222 | GWYSPFQ LGWPQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115172 | ACQCLVRT PEVDDEAL EKFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111097 | AGTMGDT VPQSLYIK GTGMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112278 | QSVLYSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 93930 | SNDSRNV LVA | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123172 | FIKWPLHS W | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108536 | LSRASLCTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106306 | CIVRATKGI S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110603 | GLPGARGL TGRPGDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113462 | GQQQQA QQPGQG QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115185 | AQKKIIAEK TKIPAVFKI DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39401 | LSGRPAVI PDREVLRY EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46970 | PATIPDRE ALYREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111550 | MKVNILR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 100628 | VRIYMKPK HVRVWC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144820 | YLEDWIKY NNQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.039 | t | 41290 | MDWNM HAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 52120 | QQQP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 52120 | QQQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.03 | 0.03 | t | 136066 | IETDKTSV QV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.03 | t | 136066 | IETDKTSV QV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.032 | 0.031 | 0.034 | t | 30199 | KDLLED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 140247 | KAAESEIEK LTTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.007 | -0.008 | t | 21617 | GPFFLSPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 66630 | TTGYRFTN FEPFTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.023 | 0.023 | t | 107013 | YGASSRAT GIPDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.018 | t | 122156 | NLHIDPTLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 118375 | GKALCWV CAQSRKH RDHAMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 125004 | DAPDTDW CDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 119569 | ESNGQPE N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.043 | -0.043 | -0.042 | t | 75659 | YRPLGPGT PPMRARL PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.02 | -0.022 | t | 58377 | SHLKLFTIK YVDVNTN ELLK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.013 | t | 63038 | TAVSPTTL RTEVVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.031 | t | 48832 | PPLSQRRAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.02 | 0.02 | 0.018 | t | 156865 | EQATCDH TNEWCAK MM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 153396 | HSFEPWS ARDMLGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.021 | -0.021 | -0.02 | t | 43106 | MYYLKNT NF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.012 | t | 9819 | DPYSPSQD PDRRDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.011 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.021 | t | 98379 | QNTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 131032 | RDEIESVKE LKDTGKDA VN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.024 | 0.017 | 0.018 | t | 58593 | SILDLDLTK FTTQKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.031 | 0.03 | t | 40740 | LYDVVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | 0 | 0 | t | 36866 | LKGNNLIW TLKDSAGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.04 | 0.042 | t | 135472 | KDRHDF | Oryctola gus cuniculu s |

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|---|------|---|---|------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.015 | 0.03 | 0.032 | t | 9095 | DLGEAIRE QPEQARL ALTLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.011 | 0.012 | t | 21469 | GNLLLSCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | -0.001 | 0.001 | t | 53916 | RGLIVFHT STEPSVNY DLFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134151 | LRRVIGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123578 | PGLAPGQI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114992 | YKPDCTA ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105880 | IKGTAPFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138174 | GAPGTPA APGAPAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149295 | ELDHWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 119410 | YKMFPEVK EKGMA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119410 | YKMFPEVK EKGMA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131969 | LSQLNQLS QISQLQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115334 | KYKVPQLE IVPNSAEE RLHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99117 | ASSRDQSS YLQGFSR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79508 | AHKSTLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69888 | VLYQEFDE MEECSQH LPYIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79298 | LQWLWE WPRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 95832 | SGPSGPSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79509 | AHRPTLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 33846 | KTRRMRID Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 33846 | KTRRMRID Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.03 | t | 78707 | KLRERLKQ R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.026 | -0.03 | -0.03 | t | 78707 | KLRERLKQ R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.046 | -0.047 | -0.05 | t | 58073 | SGHMAW DMMNWS PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142423 | GAKKAAG EAKKASI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.026 | -0.023 | -0.02 | t | 72324 | WDQKLW CRHFCVLA D | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 151630 | FSTNWM NQHRPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 135441 | AGLGAGIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.006 | 0.017 | 0.02 | t | 51847 | QPGVDIIE GPVKNA VPLY | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|---|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137800 | AGELGQSR DVLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137794 | ADFTPGTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 144712 | KSLSTEFI PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137867 | GEIKFEAV EGAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137811 | AVSLGQN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 153382 | FAENKKD HFSPGGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | -0.001 | 0 | t | 136486 | LQATRGV VVAKW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 153480 | TPSWRNP FPTFYGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137797 | ADYWAGE LGQSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137817 | DAGMFDA VSRAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 144940 | RHVLGRLI TVNPIVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 139500 | FHTHISV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | -0.001 | 0 | t | 136537 | NTDVVNV SVLCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 144763 | RIEDPPFN SLL | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137858 | FTPGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 144885 | EPGQLKLN WFKKGSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 150995 | HLGKCNI GWILGNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 141765 | TLVVNRLR GSLKICAV KAPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137945 | PGTEYTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 151031 | LVKKGNSY PKLSKSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 151023 | LCKLRGVA PLHLGKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137820 | DFTPGTEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 138456 | KEQFEFAL TAVAEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 136749 | WMLRAAE EYSMNLG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 153447 | QPAIWNP FPAWGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 138456 | KEQFEFAL TAVAEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137927 | LSADFTPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 153359 | ALLPFKDH LPYPGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | -0.001 | 0 | t | 136518 | MVRKGEK KLAKP | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 141646 | FSKWRKN HMRQKSN K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | -0.001 | 0 | t | 136156 | CRWSVRLS VPSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 153341 | ACQVPHFF GCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 153346 | ACRDHYPL SCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 139602 | SDSMLSW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 142204 | KLEEQNKI SEASRKGL RRDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 143851 | DPEQPAPL FLVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 142217 | LDASREAK KQLEAEQ QKLEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137965 | RFLPKYEG NIDI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137848 | FDRFKGSG PGYY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 144099 | TLQQNMP LALVW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 142201 | KGLRRDLD ASREAKKQ VEKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 141671 | IAESKQLT VKQKTEQI K | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 142167 | GLRRDLDA SREAKKQV EKAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 141544 | KELLQEGY EEIVGETPS FKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137883 | GQNVLSA DFTPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137896 | IANGYRDV VADV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 144799 | TLNLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 136686 | TLHDMGIF SITSSDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 136315 | GGGTGPA DGTNATTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 142116 | ASRKGLRR DLDA SREAKKQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 136315 | GGGTGPA DGTNATTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137824 | DQAVSLG Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137884 | GQSRDVLL AGNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137900 | IGGADAET LMDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137939 | NVLSADFT | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137950 | QAVSLGQ N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137828 | DVLLAGN AEADR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137844 | EYETDPSV TKMV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | -0.001 | 0 | t | 136451 | KWWESRT VRPQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 141734 | RADESKTD PQTEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 138025 | RVPRISCGI NYG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 141580 | YIGVAPRK AIPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 150987 | GKCPKYVK STKLRLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 138079 | VSDQAVSL GQNV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137907 | KGSGPGYY RLTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 144042 | QEPLMGT VPIRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 138057 | TPGTEYTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137935 | NFNTVRY DYYGD | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137928 | LSADFTPG TEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | -0.001 | 0 | t | 136579 | QPRRRAN NRRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 153396 | HSFEPWS ARDMLGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 141566 | SSIVIPAAV GIKLNVT E DA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 142202 | KISEASRK GLRRDLDA SREA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 155744 | SAHSTPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137888 | GTEYTVEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 138094 | YGYATLSY ADYW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 141568 | VFPKDKEG RALQKFLG TIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 141569 | VRSSNTCT VGPSDPAC FQNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 142288 | SEASRKGL RRDLDA SR EAKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137834 | EDSRVTEN TNGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 138028 | SAGALQLL VVG | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 153362 | APWSLRD HLAVTGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 118146 | SNLDHILE PSIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 127984 | FTNLKFKV RKITSSHR GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 127919 | AFSLPDRS LSAIPLFDV SFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 127944 | DLVNCNL NTNCVAV AFSLPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 128066 | NSYDVLSA LSGNLKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 118139 | SIPWKS KL LTLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 127984 | FTNLKFKV RKITSSHR GN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 120682 | KILPEVKEK HEFLSRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 120699 | KMFPEVKE KGMAALP RL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 119910 | GQYFAKPR NQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 117742 | AKAQTD R EDLRTLLRY | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 127919 | AFSLPDRS LSAIPFLDV SFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 127944 | DLVNCNL NTNCVAV AFSLPD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 128004 | GMIEVQS NYGFVWD VSLKKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 117960 | KLLTLVQLT LQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 120220 | SSQRGRSG SGNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 130285 | VRMMLIPL DATLIKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 119910 | GQYFAKPR NQGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 117773 | CNSRQTD REDELI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 128084 | QKNACSF DLCNSYDV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 117786 | DHILEPSIP WKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117118 | YPLHLNTD YSTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 113400 | FKLGGRDS R | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|----------------------------|--------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 113401 | FKLPGLNS R | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117103 | TYQDFSTR PRSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117097 | TLSTDQST TRNW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117122 | YTYTDYST RPHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 110828 | EIDGPAGQ AEPDRAH YNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117107 | VQTDGST KSHRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 117366 | RRREGPDR SPR | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 110733 | VGENVPD DLYIKGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 99033 | TWDDD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117111 | WPMNDD STRPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117069 | QRYYSTRP RAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117059 | PQTDGSTR PRGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 117348 | PTRAPSGP RPP | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 110920 | KPSPWAP KKHRRLS | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 102773 | RQFSKFKD ASDRYGN YLHFF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 102069 | SKSSITITN KRLTRKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117049 | NYKSPLFA VPMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117044 | MISYSTRP DRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117112 | WPMNDD STRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 102823 | SSSIKIWN KLGWNTVI AGTR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 111013 | RTGYIPLG TRPPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 102671 | NGALYPRF FPDYSILM FPII | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117018 | KIVMFWH EPVYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 110869 | GQAEPDR AHYNIVTF CCKCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117010 | IRTDESTKR LPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 116981 | FSTDWSTR PRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 116930 | AYKLPQTD DST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 116978 | FPSHYWLY PPPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 116958 | DSMNTDT STRPR | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 110884 | HEYMLDL QPETTDLY CYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 107852 | GE PQSSIIQ Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 116947 | DIDYSDYS TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 116944 | DFRYSTRP FAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 113848 | SGKDGHH AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 116943 | DFRDYSTR PFAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 116917 | AESDDSS T RRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 96062 | ADTIQKGF YY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 75863 | YSPSRFSY FYPFRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 75863 | YSPSRFSY FYPFRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 62845 | TAFSKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 71902 | VVYDYQH K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 64050 | THLRALFG YSEVRKVIL TKR | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 66051 | TRLENLM WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 63618 | TFDGGKM V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 70628 | VQQEGAQ QPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 62908 | TALGKLQD VVNQNAQ AL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 75924 | YSWKTWG KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 61026 | SSGIGPEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 73649 | YEEPNDGE ERQS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 73483 | YCADVAA EELMNAL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 65863 | TQGVVKE RRWTLVN ENRPIW | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 70402 | VPNTNIKL YVRRVFIT DEFR | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 65863 | TQGVVKE RRWTLVN ENRPIW | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 73744 | YEPYYHSD HAESSWV NRGES | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 61410 | SSTRGGSR VEGIFAGL FMNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 60827 | SRVKNLNS SEGVPDLL V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 62932 | TANGFYRL PSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 73483 | YCADVAA EELMNAL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 75920 | YSVLYNST FFSTFKCY G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 77968 | PPPYAPNP GPPPPYTG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 73449 | YASSGIGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 61840 | STPSTPAD SSAHSTPS TPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 66257 | TSHHDSH GLHRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 82078 | FHQNGQV TEVTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 66051 | TRLENLM WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 75222 | YNSSRSYW T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | -0.001 | 0 | t | 60795 | SRSERR | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 66044 | TRKTSERS QP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 61124 | SSIVYEAA DMIMHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 71999 | VYDYQHK E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 62051 | SVASGGSG GSVASGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 75920 | YSVLNST FFSTFKCY G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 75843 | YSNVTGFH T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 64306 | TIGGSQAQ TA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 66242 | TSGTSGTS GTSPSSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 71284 | VTEEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 66241 | TSGTSGTS GTSGTSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 71163 | VSTQSAKN PPGATVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 74367 | YISDAFSLD VSEKSGNF | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 64978 | TLNKDQLL SSSKYTIQR STG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 95060 | APIDTGISE GITPNGSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 67327 | TYEEPNDG EERQ | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 60721 | SRKSYKKM LKEMGEV APEYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 95104 | ITGAGPKY VKQNTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 70437 | VPPTQSKK KNKNET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 63077 | TCGVGVVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 75498 | YQHKEGRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 66050 | TRLENLM WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 66539 | TTASGKLIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 71009 | VSKGNCS GPTTIRGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 74135 | YHRVMYA S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 79535 | EDDDDDF GMGALF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 69344 | VKYTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 75923 | YSWKTWG | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 69899 | VLYREFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 74173 | YICGDSTE CANLLLQY G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 72324 | WDQKLW CRHFCVLA D | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 68896 | VHTWTEQ YK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 69235 | VKIDNASP AS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 66107 | TRTIGGSQ AQ | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 67444 | TYRATYQD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 60663 | SRGAPGG GFVPSLQG VP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 71189 | VSVITPGT NASSEVAV L | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 70038 | VMYASSG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 60714 | SRKKMDT KPTDPTG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 68896 | VHTWTEQ YK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 70937 | VSFQYNA VGPYLNIN FFDSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 65110 | TLTSGSDL DRCTTFDD V | Oryctola gus cuniculus |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 71284 | VTEEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 76584 | YYQSGLSI VMPVGG QSSFYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 71189 | VSVITPGT NASSEVAV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 68895 | VHTWTEQ YK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 60549 | SQSFRRLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 68281 | VELRNLGG TWRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 65479 | TNVVIRAC NFELCDNP F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 61112 | SSIPNGTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 71284 | VTEEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | -0.001 | 0 | t | 60663 | SRGAPGG GFVPSLQG VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 63611 | TFASRGTS MDDE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 71848 | VVTGATVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 69595 | VLLGACSF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 71844 | VVSWKNK EL | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 69760 | VLSFELLN APATVCGP K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 96494 | KQMGQT GGSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 94762 | AAPAKKA APAKKAA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 75287 | YPFRLPIKG VPIELQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.025 | 0 | -0.001 | 0 | t | 60663 | SRGAPGG GFVPSLQG VP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 79535 | EDDDDDF GMGALF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 65635 | TPLFKIIGD EVGLRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 62932 | TANGFYRL PSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 66337 | TSNFRVVP SGDVVRFP N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 71312 | VTGATVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 75567 | YQVRNSS GLYHV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 71297 | VTFDGGK M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 67257 | TWGENET DVLLNNT RPPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 72649 | WIRTPPAY R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 75431 | YPWPLYG NEG | Pan troglody tes |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 60710 | SRKAYDH NSPYIWPR NDYDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 85833 | LSIIAEQSN STVDNQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 60684 | SRGTSMD DEADR | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 97117 | YIQMKRIA VG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 65754 | TPRYNRIG SH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 97104 | WVGVNLE DPASRDV VSVVN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 85833 | LSIIAEQSN STVDNQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 94914 | RELADALL E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 73385 | YALADASL KMADPNR FRGKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 74056 | YGMEIRPL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | -0.001 | 0 | t | 63217 | TDQMEVD SGPRKRPL RGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 75425 | YPVDRSTF W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 75425 | YPVDRSTF W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.025 | 0 | -0.001 | 0 | t | 63217 | TDQMEVD SGPRKRPL RGG | Pan troglody tes |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 69299 | VKQMYKT PTLKYFGG FN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 73920 | YFTYEEP NDGEE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 68801 | VGTEWTP CSVTCGVG VRVRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 68801 | VGTEWTP CSVTCGVG VRVRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 63458 | TELRYSWK T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 71138 | VSSQSFR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 64645 | TKPTDPTG IEPDDH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 74430 | YKAYVSYK KRKAQEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 73611 | YDYQHKE G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 75222 | YNSSRSYW T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 65832 | TQDLFLPF YSNVTGFH T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 72205 | VYYPDEIFR SDTLYLTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 63458 | TELRYSWK T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 70549 | VQEGVQQ EGA | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 62872 | TAGWTFG AGAALQIP FA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.025 | 0 | -0.001 | 0 | t | 67615 | VAGRKKLE ELERDLRK TK | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 66304 | TSLNDRQ GNATK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 63792 | TGATVSSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 67615 | VAGRKKLE ELERDLRK TK | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 72549 | WHRHWP SHPTQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 36991 | LKPIFKLPL GINITNFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 49968 | PVSMAKT SVDCNMYI CGDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 44544 | NKLKEKHT DLGKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 47315 | PEKAFREL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 49968 | PVSMAKT SVDCNMYI CGDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 46417 | NVLDVNAI DIEEPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 38982 | LQSARRGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 45368 | NPIDHSAR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 52000 | QQACKGKI QALCENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 46417 | NVLDVNAI DIEEPS | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51456 | QLNRALSG IAAEQDRN T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39998 | LTKSGSTY PVLNVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 38031 | LMGYIPLV GA | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 49872 | PVGGQSSF YSDWYSP ACGKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 58057 | SGGSVASG GSGNSRR | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 55826 | RSELSQLS MYRVFEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51974 | QPTELRY S W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 38330 | LNRSGGN YTKTDDEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 53758 | RFPRGQG VPINTNSG PDDQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51974 | QPTELRY S W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 46379 | NVFQTQA GCLIGAEH VD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 52000 | QQACKGKI QALCENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 57166 | SDARQRV ADRKREK YDSFF | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 53729 | RFKSQDA D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 42493 | MRQLDTN VER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59922 | SNTFINNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 53766 | RFQPFQQ FGRDVSD FTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 47479 | PFAMQM AYRFNGIG VTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59856 | SNKSASQ NVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 55066 | RNTIMASK TVGTAE | Myodes glareolu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 46681 | NYNYKYRY LRHGKLRP F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39391 | LSGQPAVI PDREVLQYQ QFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 50213 | QAAPVQE GVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 58082 | SGIGPEKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39391 | LSGQPAVI PDREVLQYQ QFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 55383 | RPYCWHY PPQQCGIV PASQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 40594 | LVSMFSVG PS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59922 | SNTFINNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 56364 | RVMYASS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 41667 | MHMLSNK SAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 56283 | RVFEVGI RNPGLGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 50273 | QAGRTAH AVTNIFSV G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 54599 | RLITGRLQS LQTYVTQ Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 53116 | RAILTAESP AQDIWGT S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 39023 | LQYGSFCT QLNRALSG I | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 56079 | RTIGGSQA QT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51454 | QLNPKDN DVEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 43825 | NFELCDNP FFAVSKPM G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 48282 | PLCNRTRS RQSGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 49273 | PRVRSKPV V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 60400 | SQDADYH R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 45225 | NNRNRLT KLFRYKSSR SESE | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 41238 | MDIDPYKE FGATVELL SFLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59922 | SNTFINNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 45589 | NQMHML SNKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 53989 | RGSRPSW GPTDPRRR SRNLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | -0.001 | 0 | t | 43242 | NANPNAN PNANP | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 50494 | QDMRNTI MASKTVG | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 45225 | NNRNRLT KLFRYKSSR SESE | Mesocric etus auratus |

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|---|------|---|---|---|--------|---|--------|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51074 | QIGYYRRA TRRVRGG DGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 42694 | MSTNPKP QRKTK | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59120 | SLGADSSI AYSNNITAI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 56895 | SAMILAAY HPQQFIYA GSLs | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 48383 | PLKPTKRS FIEDLLFNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.001 | 0 | t | 46371 | NVESQPG GQPNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 38522 | LPHSNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39398 | LSGRPAIV PDREVLVYQ EFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 54545 | RLGAALLQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43246 | NANPNAN PNANPN NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 48648 | PNGTYRAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43246 | NANPNAN PNANPN NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43246 | NANPNAN PNANPN NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39398 | LSGRPAIV PDREVLVYQ EFDE | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59922 | SNTFINNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 56534 | RYFTYEPP NDGE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 48370 | PLITHGSG MDLYKSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 39626 | LSREM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 49764 | PTRTIGGS QA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 42308 | MPPYPTG GPPPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 58136 | SGLVSMFS VG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 56962 | SARDGIRD AMIGLREE MIEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59922 | SNTFINNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 58485 | SIEHQVKD VLTPLFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 54848 | RMADAVS RKKMDTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 41177 | MAYRFNG IGVTQNVL YE | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59192 | SLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39917 | LTGKPAVI PDREILYQ QFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 37310 | LLGACSF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 49993 | PVVAESPK KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 47641 | PGFGDNR KNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 56962 | SARDGIRD AMIGLREE MIEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 58252 | SGTENKPA TG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 51454 | QLNPKDN DVEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 44747 | NLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 44747 | NLINTNGS WHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 50767 | QFGRDVS DFTDSVRD PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 46319 | NTYFTAFL DGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 42308 | MPPYPTG GPPPV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 44018 | NGKQVES PAPSGHT HLKKPA | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 52321 | QSFRRLLGA | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 50307 | QALIDQKV KEISNQ | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 44002 | NGIRRPKH LYVSMP | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 58252 | SGTENKPA TG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 58614 | SILQDMR NTIMASK | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 56275 | RVEHAVVY YVYSPSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51374 | QLINTNGS WHVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51374 | QLINTNGS WHVN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 38215 | LNFKGRW LRDRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 56275 | RVEHAVVY YVYSPSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 59571 | SLVTCPAQ GSLQSSPS MEIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 46198 | NTNSGPD DQIGYYRR ATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 37055 | LKVIRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51374 | QLINTNGS WHVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 38215 | LNFKGRW LRDRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 47662 | PGGGQIV GGVYLLPR R | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 54863 | RMAWDM MMNW | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 49557 | PSVYAWERKKISNCVAD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 50030 | PWHLGKLEEM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 52292 | QSARRGEK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 42541 | MSDNGPQSNQRSAPRIT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59483 | SLSTNLDVTNSIEHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 48823 | PPLLESWKDPDYVPPVVHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51874 | QPLPQRQKKQPTVTLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | -0.001 | 0 | t | 44852 | NLQKDEPNGRASDT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43893 | NFNGLTGTGVLTPSSKR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59922 | SNTFINNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 56958 | SAQSGTSGTSAQSGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 58405 | SHRLLQTYWSSA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 58922 | SKPTTKQRQNKPPSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59192 | SLINTNGSWHIN | Rattus norvegicus |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 50429 | QDADYHR V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 49116 | PQRKTKR NTNRR | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43013 | MWLDVM YLKGGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 43893 | NFNGLTGT GVLTPSSK R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 58409 | SHSAFNM FDFGVGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 53355 | RDGQLTIK AERTEQKD FDGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 42532 | MSDLTDIQ EDITRH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 42187 | MNALVNS TLLETRTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 44251 | NIISCNKN DKNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 58416 | SHSQLGPP VGGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 49505 | PSSKRFQP FQQFGRD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 47890 | PIELQVECF TWDQKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 58465 | SICSNNPT CWAICKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 43013 | MWLDVM YLKGGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 56201 | RTTTASGK L | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | -0.001 | 0 | t | 50977 | QGVPESPF SRTGEGLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 50977 | QGVPESPF SRTGEGLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 58465 | SICSNNPT CWAICKR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 46242 | NTRNIDAT STGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 59985 | SPAQDIW GTSAAAYF VG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 54989 | RNFTTAPA ICHEGKAY F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 54118 | RIADQAQY NQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 59640 | SMDDEAD RYFTY | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 51867 | QPKVDAN ADEEAEAV GEDDL | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51146 | QIVGGVYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 55930 | RSQPRGR RQPIP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 51233 | QKPLK | Capra hircus |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39255 | LRYSWKT WG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 45151 | NNKSQSVI IINNSTNV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.02 | 0 | -0.001 | 0 | t | 42797 | MTEQQW NFAGIEAA ASAIQG | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.001 | 0 | t | 51233 | QKPLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51574 | QLVNSNG SWHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51574 | QLVNSNG SWHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 57910 | SFSSIPNG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 60433 | SQERNFV DSIGQSFQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 56434 | RVTVSTRR SQQTIIPNI G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51575 | QLVNTNG SWHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51575 | QLVNTNG SWHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51370 | QLINSNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39255 | LRYSWKT WG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 58663 | SIPNGTYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 56918 | SANND AEI GNLI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 55639 | RRLGAALL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 53012 | QYNQMH MLSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 42984 | MVQVVYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 58418 | SHSSESHR VKSAGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 54918 | RMLNILN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 46792 | PAFGANS NNPDWDF NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 42932 | MVDVVTG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 60433 | SQERNFV DSIGQS FQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 57386 | SEEGKQET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 49749 | PTPSDNPF SKLYKETIE TFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 57386 | SEEGKQET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 55293 | RPQDV KFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39164 | LRPGPV SQ PYHHWDT DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 58422 | SHSVTKSL RVFGGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 48613 | PNDGEER QSYWF | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 47565 | PFSPDGKP CTPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 59927 | SNTLPRSN TSSGASP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 47765 | PGTPAQEI EMLKRN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 37641 | LLPAADM DDFSRQL QNSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39917 | LTGKPAVI PDREILYQ QFDE | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 52476 | QTASGLVSMF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39391 | LSGQPAVIPDREVLYQQFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 48927 | PPSSPTHDPDSDP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 46258 | NTSDSQKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 58458 | SICGNNQLCKSICKT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 49749 | PTPSDNPF SKLYKETIE TFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 44915 | NLVILPGQDLQYVLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 41219 | MDDEADRYFTYE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.001 | 0 | t | 40938 | LYRPSDSSL AGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 58458 | SICGNNQLCKSICKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 29832 | KAISQIQESLTTTSTAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 19098 | GDRADGQPAGDRADGQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 35235 | LDNIKGNVGKMEDIYK KNNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 10677 | DVNAIDIE EPSGQT | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|--------|---|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 19098 | GDRADGQ PAGDRAD GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.001 | 0 | t | 32691 | KPEENK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 35235 | LDNIKGNV GKMEDIYIK KNNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 17128 | FNASDSVG QQIKVIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 32037 | KLNDLCFS NVYADSFV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 13421 | EMVDVVT G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 36042 | LGAALLQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 30349 | KEEKEEKE EKEEKEKE KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 33859 | KTSESRQP RGRRQPIP KARR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 31894 | KLGVWKS PTDMQS WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 13913 | EQQSDLE QERLAKEK LQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 13913 | EQQSDLE QERLAKEK LQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.025 | 0 | -0.001 | 0 | t | 19269 | GEGAPPA KRARTDQ ME | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 15281 | FASRGTS MDDEA | Capra hircus |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 10785 | DVVTGAT V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 14641 | EVDGDVKL SSNLVIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 24012 | HHPSTNQ EQTSLYVQ AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 13680 | EPKKDKKK KTDEAQPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 28643 | ISPCAFGG VSVITPGT N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 33859 | KTSERSQP RGRRQPIP KARR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 14380 | ETFTNKLK EKHTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 36579 | LIKNQCVN FNFNGLTG T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 25653 | IDQKVKEIS NQEPL | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 14751 | EVKPGTPA QEIEML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 29899 | KANGNGS GDNGDTT W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 27959 | IPNGTYRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 16376 | FKHLREFV FKNKDGFL Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 17572 | FRDLTWCI NPPERIK | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 19639 | GFTWTGV TQNG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 23051 | GVLTPSSK RFQPFQQ FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 17580 | FRELADAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 14487 | ETMTPSGL VIPENAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 24730 | HSDHAESS WVNRGES SRKAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 12944 | ELAKLRAG KASDSQTP DT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 19639 | GFTWTGV TQNG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 22828 | GTSGETSAQ SGTSGTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 19900 | GGKMOVV VV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 35006 | LAVLLGAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 19491 | GFADLMG YIP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 22898 | GTYRATYQ | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 20012 | GGSGGSV ASGGSVAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 19096 | GDRADGQ PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11441 | EDSITIPYQ GSGKGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 20012 | GGSGGSV ASGGSVAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 19585 | GFMKQYG ECLGDINA RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 17284 | FPFNASDS VGQQIKVI P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 13460 | ENDVLNQ ETEEEMEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 34210 | KVTAFAQH QNSKKTTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 19520 | GFFGAIA G FIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 23520 | HADQLTP AWRIYSTG NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 11354 | EDINGIRR PKHLYV | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 36841 | LKEQLAKQ AEELAKLR AGKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 17843 | FSSIPNGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11872 | EESDDDM GFGFLFD | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 32662 | KPATGEAP SQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 19520 | GFFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 36579 | LIKNQCVN FNFNGLTG T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 22031 | GRFKSQD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11872 | EESDDDM GFGFLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 23068 | GVNLEDP ASRDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 32662 | KPATGEAP SQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 14435 | ETIYNTTLK Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 20838 | GLFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 13126 | ELKLAALC HGEDSIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 31679 | KKQPTVTL LPAADMD DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 20838 | GLFGAIAG FIE | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11813 | EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 20838 | GLFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 20838 | GLFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 20838 | GLFGAIAG FIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11813 | EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 34953 | LASAGGQ DN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 16458 | FKSQDADY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 12625 | EKA FREL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 33478 | KSQDADY H | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 32037 | KLNDLCFS NVYADSFV V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 27732 | INRIADQA QY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 27357 | ILSRDKVE AEVQIDRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | -0.001 | 0 | t | 19269 | GEGAPPA KRARTDQ ME | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 32971 | KQELDEIST NIRQAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 35050 | LCENPEW APLKDNRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 23051 | GVLTPSSK RFQPFQQ FG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 22028 | GRFDEAM QDQIRQLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 10778 | DVVNQNA QALNTLVK QL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 24978 | HTSSMRG VYYPDEIFR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 33669 | KTFPPTep KKDKKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 23048 | GVLSVDLS LTVELKI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 35199 | LDKNHVA DIDKLID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 10892 | DYHRVMY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 22028 | GRFDEAM QDQIRQLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11489 | EEADDDM GFGFLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 16183 | FIEDLLFNK VTLADAGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 12134 | EGCGWAG WLL | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 29936 | KARRPEGR TWAQ | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 23134 | GVSCTVTR EDGTNRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 36048 | LGACSFSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 31794 | KLDVVKLL YNEQFAV QGLLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 29936 | KARRPEGR TWAQ | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 13267 | ELRYSWKT WGKAKML STELH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 18694 | GANAPNE KSVKEYLD KVRAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 18694 | GANAPNE KSVKEYLD KVRAT | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 19269 | GEGAPPA KRARTDQ ME | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 35050 | LCENPEW APLKDNRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 20179 | GHRMAW DMM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 24712 | HRVMYAS S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 19637 | GFTTNEPR YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 29802 | KAFRELAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 18025 | FTNKLKEK HTDLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 22835 | GTSMDDE ADRYF | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 32070 | KLPDDFM GCVLAWN TRN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 16123 | FHLPYNHN WFAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 28291 | IRFKDDTSF EDING | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 25073 | HVNGRTT ALVGLLTP AKN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 25031 | HVDTSYEC DIPIGAGIC | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 19928 | GGMPGG MPGGMP GGMNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 17929 | FTDSVRDP KTSEILDIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 33874 | KTSVDCN MYICGDST EC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 32415 | KMVQVVY D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 11013 | EADRYFTY EEPN | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 26610 | IINNSTNV VIRACNFE L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 21277 | GMGVSCT VTREDGT NRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 26329 | IGTRNPNN NAATVLQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 30409 | KEGRFKSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 18511 | GAALLQSA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 13481 | ENHSPVNI AHKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 21469 | GNLLSCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | -0.001 | 0 | t | 30151 | KDGEGA | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 12258 | EGRFKSQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 23511 | GYYPSPDP NTFYAPPY S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 31005 | KGLRRDL ASREAKKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 31124 | KHKKVSTN LCTHSFRK KQVR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 24696 | HRMAWN MMMWN SPT | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 20638 | GKMVQVV Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11820 | EENVEHD AEENVEEN V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 20095 | GGWYSFD SPYLMSITE MRLR | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 19251 | GEERQSY WFENR | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 25219 | IAAEQDRN TREVFAQV K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 23422 | GYNVSSIV TMTSQG M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 10946 | DYQHKEG R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 18139 | FVDSIGQS FQNTWEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 36890 | LKIKIASGF GPLITH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 21881 | GQHGHEM HG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | 0 | -0.001 | 0 | t | 21571 | GPARRGA PY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 21881 | GQHGHEM HG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 25863 | IEKTNEKF HQIEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 18929 | GCVVSWK NK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 22755 | GTLVKTIT DDQIEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 30386 | KEFSEVEG RIQDLEKY V | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 21812 | GPTRTIGG SQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.025 | 0 | -0.001 | 0 | t | 29852 | KALENKKK QLSAGGK NLS | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 36815 | LKCSVKSFE IDKGIYQT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 22755 | GTLVKTIT DDQIEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 11038 | EAEVQIDR LITGRLQSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 29852 | KALENKKK QLSAGGK NLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 18814 | GAVIIRGH LRMAGHS LGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 28909 | ITGHRMA WDM | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 12345 | EHKYSWK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 30386 | KEFSEVEG RIQDLEKY V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 33831 | KTQIDQVE STAGSLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 26235 | IGGSQAQT AS | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 15389 | FDGGKMV Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 29129 | ITVEELKQL LEQWNLVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 32619 | KNTLTPL ELYPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 4023 | AQPGYPW PLY | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9319 | DLVKFISD KIKFLNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 4417 | ASGGSVAS GGSVASG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 7812 | DDKLRME TCFQQAC K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 3893 | APVQEGV QQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 4770 | ASSGIGPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 7383 | CYGVSATK LNDLCFSN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 8370 | DGEERQSY WFEN | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | -0.001 | 0 | t | 8697 | DILFPA | Marmot a monax |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | -0.001 | 0 | t | 8355 | DGAVQPD GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 7171 | CTKPTDG NC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 3367 | ANNSANN GKKNNAE E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 6983 | CSETFTNK LKEKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 752 | ADQAQYN QMH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9939 | DRAAGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9365 | DMIAAYT AALVSGTA TA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 1385 | AFRELADA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9582 | DNYWSFS DSTYWTLR YSSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 5437 | AVLLGACS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 7756 | DDDMGFG LFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 5387 | AVIRRANN VLKNEMK RYKGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 10124 | DSGCVVS WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 1171 | AESVSQN N | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 4749 | ASRGTSMDDEAD | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9944 | DRADGQPAGDRADGQ QPAGDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 3983 | AQKFNGLT VLPLLTD D | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 7771 | DDFHTDE DKLDTNSV YEPYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9956 | DRCTTFDD VQAPNYT QH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9944 | DRADGQPAGDRADGQ QPAGDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 8544 | DHILEPSIP WKSLLTL VQL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 2598 | ALGVINTL EWIPRFK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 1790 | AHKWYSQ WLPHR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 879 | AEEGSLDE GAVEEDP DKEGD | Mesocricetus auratus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 3290 | ANGAGNQPGANGAG NQPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 7901 | DEADRYFT YEPP | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 3076 | AMDPIYDE PTTTTSVPL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9944 | DRADGQPAGDRADGQ QPAGDR | Mus musculus |

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|---|------|---|---|---|--------|---|--------|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 7128 | CTDVSTAI HADQLTP AW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 7671 | DAVSRKK MDTKPTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 7128 | CTDVSTAI HADQLTP AW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 187 | AAGTAAQ AAVVRFQ E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 7488 | DADYHRV M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9944 | DRADGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9944 | DRADGQP AGDRADG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 5773 | AYFPREGV FVFNGTS WF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 8119 | DEPAGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 8119 | DEPAGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9677 | DPLTSLHA MQRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 2220 | AKKQVEK ALEEANSK LAAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 476 | AATVLQLP QGTTLPKG FYAE | Macaca cyclopis |

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|---|------|---|---|---|--------|---|--------|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.001 | 0 | t | 7761 | DDEADRYF TYEE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 1460 | AGCLIGAE HVDTSYEC D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 7064 | CSQNPLAE LKCSVKSFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | -0.001 | 0 | t | 8355 | DGAVQPD GG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 2092 | AISSVLNDI LSRLDKVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 6995 | CSFSSIPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 1299 | AFFSILQD MRNTIM | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 307 | AALVSGTA TAGWTFG AG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 7193 | CTPPALNC YWPLNDY GF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 5927 | AYSNNNTIAI PTNFSISI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 2053 | AIPTNFSISI TTEVMPV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 3656 | APMSTPS ATSVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 6332 | CGPKLSTD LIKNQCVN F | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 6540 | CLAVLLGA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 1439 | AGAHWG VLGA | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9943 | DRADGQP AGDRAAG QPAGDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | -0.001 | 0 | t | 8371 | DGEGAP | Marmota monax |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 7765 | DDEHVEEP TVA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 6632 | CLTFGRET VIEY | Mus musculus |

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|---|------|---|---|---|--------|---|--------|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 6632 | CLTFGRET VIEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 8391 | DGGKMV QV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 4427 | ASGLVSMF SV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 6332 | CGPKLSTD LIKNQCVN F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 6015 | CAPESIEFP VSEARVLE D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 293 | AALLQSAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 6015 | CAPESIEFP VSEARVLE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 570 | ACKRGPGS GFFSRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 2724 | ALLQSARR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 570 | ACKRGPGS GFFSRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 7756 | DDDMGFG LFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | -0.001 | 0 | t | 6742 | CNYSKFW YLEHAK | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 6742 | CNYSKFW YLEHAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 800 | ADYHRVM Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 677 | ADIDKLIDY AASGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.002 | t | 22133 | GRLITVNP | MD |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.03 | -0.03 | -0.03 | t | 123568 | PAKLGYW KL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.03 | -0.03 | -0.03 | t | 123567 | PAKLGYW KI | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.013 | -0.019 | t | 30302 | KEALISLT RGKLYTQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 23269 | GWLAGLF YQHKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.048 | t | 105697 | CCAVLNG AY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 24401 | HNQWKN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.003 | 0.002 | t | 99033 | TWDDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.02 | t | 61589 | STEQNVP DPQVG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.011 | 0.011 | t | 68541 | VFPDLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.01 | t | 79773 | DAHVPFCF GKDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 124016 | DKTEDVDI EEMALKLD NVLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 144662 | GREGYPA DGGDSVKI WTS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 144803 | TSAHSKLA VAAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114787 | EDRPLCGS DN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99448 | LRNLPQQC GLRAPQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104342 | VSAAQYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 101081 | NLEQSND VAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.026 | 0.017 | 0.02 | t | 22445 | GSPLRQRS L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.053 | 0.058 | t | 107874 | GTSSPSAD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153342 | ACRDHFST HCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149725 | GSEKEAPS KDFYLKN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123072 | DDREKWL GD | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 62463 | SWHLPSH MRSAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46829 | PAIIPDREV LYREFDEM EEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115704 | DELQDKIH PF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 63236 | TDSPGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115726 | ENLHLPLP LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.057 | -0.06 | t | 57620 | SESHNFDA VMSKLG VSWATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.057 | -0.06 | t | 57620 | SESHNFDA VMSKLG VSWATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 105206 | GAIIGLMV GGVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.009 | -0.01 | t | 10149 | DSITWQL QAAVLHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.011 | 0.02 | t | 112837 | SGYIPANT TIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0.001 | t | 55671 | RRPFNIGI NNQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.019 | 0.01 | 0.01 | t | 30937 | KGGIVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.014 | 0.007 | 0.01 | t | 28143 | IQDITYTQK LS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.03 | -0.023 | -0.02 | t | 86469 | MQTRHVK NYHSRSES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.042 | 0.031 | 0.032 | t | 17402 | FPSDEF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 136082 | SDDPSPGA IDSNNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.004 | -0.007 | t | 117211 | GYWSWI RQPPGKG EEWIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 149431 | QPFPPQQ PYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.033 | 0.03 | 0.03 | t | 63802 | TGDFDSVI D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 117510 | GRGRGM GRGNIFQK R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 94580 | LDNKYAGK GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.003 | -0.01 | t | 102882 | VDKCLELA EYLYNIIKN REG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.001 | -0.01 | -0.01 | -0.012 | t | 156889 | HNRKCDY YIAECNVM P | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.003 | 0 | t | 7064 | CSQNPLAE LKCSVKSFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.009 | -0.01 | t | 52417 | QSQQQGN SRRGPRVV P | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.03 | t | 110284 | HKSAIVTLT YDSEWQR DQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.009 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.018 | -0.02 | t | 119505 | NSTMGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | 0.001 | 0 | t | 23437 | GYQPYRV VVLSEFEL NA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.038 | -0.033 | -0.04 | t | 121112 | AACDPRH GRYLTVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.017 | -0.013 | t | 103476 | PGQGAYA AANSWVD V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.003 | -0.001 | t | 72178 | VYVEELKP TPEGDLIL LQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 48852 | PPPGRRPF FHPVGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.053 | 0.038 | 0.037 | t | 98682 | AEPEQSLA CQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.011 | 0.003 | 0 | t | 86674 | NDVFREA QRSYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 65423 | TNSHVPIL QERPPLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 135545 | DVFYPYPY ASGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94619 | NPACGPK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0.003 | 0 | t | 75876 | YSREQLNK MFGIEIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 119585 | GQPREPQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123610 | PPGAMPP Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123610 | PPGAMPP Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79908 | LIRMVECS GKQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79908 | LIRMVECS GKQD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 145775 | FDTGAFDP DWPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 145775 | FDTGAFDP DWPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 145775 | FDTGAFDP DWPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131081 | SQTTANPS CAEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116953 | DNHSPVNI AHKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114976 | VLVCNKDL RP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106669 | NATQRRQI EA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78307 | WHSQLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55266 | RPPRFQLS S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48987 | PQEFSKKT YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.023 | -0.023 | -0.032 | t | 127628 | DRRREGP DRSPRQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132931 | WGQNIKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 92864 | GSKFNDAF NG | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 47192 | PDREVLRY EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 136665 | SVPLAKRH LISL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.064 | -0.063 | -0.063 | -0.072 | t | 127866 | TLRPAATA RRKRRWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.036 | 0.03 | 0.03 | t | 21721 | GPPAAEYG PPAAEY | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.031 | t | 80011 | RMVECSG KQDCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.031 | t | 80011 | RMVECSG KQDCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 140933 | YDITGEYV QILDAHAA YLNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.03 | t | 144785 | SKSIGWAD EEGRTKRY ALVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | -0.006 | 0 | 0.002 | t | 123801 | TTPEERARI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.035 | 0.02 | 0.018 | t | 8359 | DGDALTLR TATN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 50934 | QGPHVISR IYQTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 52106 | QQPQQSF PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 6249 | CFPYCYP S ESA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 1367 | AFNQFGP NAGQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | -0.002 | t | 96211 | EDKKRKEE EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | -0.002 | t | 96455 | KGKNVLIN KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.024 | -0.013 | -0.01 | t | 132804 | EVLGEML AATNCTK D | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 108088 | RAAPFGN QW | Mus musculu s |

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|---|------|---|---|-------|-------|-------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 112248 | NYLAWYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 136567 | PYWKWQ YKYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.032 | 0.027 | 0.032 | t | 95378 | FCMENS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 21930 | GQGPSG AAQGQVIS N | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.016 | t | 135898 | ARDTQGL GWGAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 140460 | EKLKHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.021 | t | 38422 | LPAYQDYT ARAQVSE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79933 | MLRAVFM QQRPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0 | 0 | t | 72324 | WDQKLW CRHFCVL AD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 73483 | YCADVAA EELMNAL V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0 | 0 | t | 47890 | PIELQVECF TWDQKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculus |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 49998 | PVVEVNG VTIQVGSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 39329 | LSEIKGVIV HRLEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 9319 | DLVKFISD KIKFLNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.02 | -0.01 | -0.01 | t | 50528 | QDVLDKN HVADIDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | -0.006 | 0 | t | 32901 | KPTKKPTF KTTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.033 | 0.03 | 0.031 | t | 12542 | EIPDPVEA GEEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.001 | t | 48331 | PLGFFPDH QLDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.01 | 0.01 | t | 110762 | AGSSIVPLE EYPAEIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.018 | t | 118158 | SRNLYDIG E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.022 | t | 148521 | CNTKCQTP MGAINSS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.022 | t | 148521 | CNTKCQTP MGAINSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0.001 | t | 105127 | DAEFRHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.001 | t | 99922 | DAEFRHDS GY | Mus musculu s |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123146 | ERARISMI E | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 148758 | QEQKQQL QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153335 | ACNALNQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137542 | LKWLQLSV EKGVLKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 80091 | VTTSGGER QE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137320 | VTANVTD ESYLY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112114 | FSGFSLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39375 | LSGKPAIIP DREVLRYE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39375 | LSGKPAIIP DREVLRYE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22076 | GRIILSGKP ATIPDREA LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 93721 | RLFGGKG DDI | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 150995 | HLGKCNIA GWILGNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 123426 | LGKNPYLR G | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 93332 | LSSLQFAR AA | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 54509 | RLDLAML AAIRRVYG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.013 | 0.022 | t | 120609 | IFAD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.02 | t | 52713 | QVIAEHQF K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.007 | 0.003 | 0 | t | 24200 | HLFEAH | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.001 | 0 | t | 133551 | EAPPPTLP PDMAQVT VGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 55255 | RPPKWVS AQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.048 | 0.047 | 0.049 | t | 20825 | GLEQLESII N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.027 | -0.03 | t | 78252 | PVQNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.001 | t | 142505 | ADWADW LDYPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.001 | t | 142505 | ADWADW LDYPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0 | t | 148771 | QKQQLQQ QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.056 | 0.047 | 0.05 | t | 53194 | RARGIYET ETRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.023 | -0.027 | t | 125453 | KDRLQGM APAAGAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 57630 | SESTEDQA MEDIKQM EAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.019 | t | 144795 | TAAGYCNT GGGLPDS VKI | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.015 | -0.007 | -0.008 | t | 48736 | PPAAGPP AAGPPAA GPRILA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.031 | t | 61977 | STVKEQLIE KLIEDDEN SQC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0.003 | 0 | t | 86944 | NNLPNDV FREAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.003 | t | 134804 | TIFILCCSK EKRRKKQA AT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.024 | -0.021 | t | 122477 | LSLSDLLT FRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.038 | 0.041 | 0.04 | t | 16132 | FHPPSSNQ CESTPIIA MDAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140588 | PWSRFSLSE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140588 | PWSRFSLSE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 128439 | DNVGSKQ MQQIRMS L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 107019 | YLTDESH LHWFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139518 | HDASASL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131078 | SQTTANAS CPEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121675 | NVKKLLVA NPLVDSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121675 | NVKKLLVA NPLVDSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108287 | ATADYPQ KS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104480 | ESKENEKA LNELLEKT VKDK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 68346 | VESLDVAT RTPSFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 93058 | KATKDEKI EE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55266 | RPPRFQLS S | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156545 | PTTTPVNT TNKYSTSP S | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156545 | PTTTPVNT TNKYSTSP S | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115741 | FMAIPPKK NQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 52844 | QWKLQPG D | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0 | t | 153856 | MFQDPQE R | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.065 | -0.06 | -0.059 | t | 131967 | LRLDCRHE N | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 9853 | DQILRSMK GLSSTSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.018 | t | 135460 | GGLGVG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.008 | 0 | -0.001 | t | 72485 | WGNGCGL FGKGSIDT CAKFA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.01 | t | 159170 | TTASGKLV TDWCCRS C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | -0.003 | -0.002 | t | 28984 | ITLSSTSNP PHGL | Cavia porcellus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 149430 | QPFLPQQ PYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 36956 | LKMADPN RFRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.011 | t | 27961 | IPNKKPGK KTTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 148567 | DKSKLQDV KDNKPSD VKL | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.037 | 0.043 | 0.04 | t | 35860 | LFIQGYSIY ENYGNIKE FNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.008 | t | 156601 | ADEPNNL NSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.013 | 0.01 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.017 | 0.013 | 0.01 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.007 | -0.008 | t | 105697 | CCAVLNG AY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99834 | QGQQGY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.045 | 0.05 | 0.04 | 0.039 | t | 132878 | NSSSSQFQ IH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.051 | 0.05 | 0.049 | t | 49373 | PSGDSGLS TGADAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.007 | 0.012 | t | 51807 | QPELPYPQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.04 | 0.03 | 0.03 | t | 61824 | STPLLYPSL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.034 | -0.03 | -0.03 | t | 1023 | AEKQRLED LGQKFERL KQRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | 0.001 | -0.001 | t | 4912 | ATCMQVN LEIMTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 150865 | KSITIGPGR A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | 0 | 0 | t | 19895 | GGKFLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137447 | SHKIHPFQ TTPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.003 | -0.01 | -0.008 | t | 10860 | DYDGYGW RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 110938 | LYIKGSGST ANLASSNY FPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 110938 | LYIKGSGST ANLASSNY FPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 119011 | SGPEGSG GSGPQRR GGDNHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 119011 | SGPEGSG GSGPQRR GGDNHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115600 | DHSYQEEA AMEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115600 | DHSYQEEA AMEL | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 147976 | MSDGA VQ PD | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135732 | PCLNGGSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137527 | FHGCLASR QEWQQQ D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119590 | HQDWLN GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112931 | DATTNPSL ILAAAQM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112931 | DATTNPSL ILAAAQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104123 | MNKTFSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117386 | TRPINTAQ CGDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 40019 | LTLNMDS GQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149296 | ELDKWAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 70138 | VNNTDTN FHRDITFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79466 | YCDAFLIE QANHCW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 91303 | FKGF EAVS VDLAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 49082 | PQQPFPQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41325 | MEECASH LPYIEQGV QLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 49082 | PQQPFPQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 4453 | ASHLPYIE QGMQLAE QFKQK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 135737 | PWQVVLN G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 123243 | GLSRISYDP | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115694 | AVPYPQR DMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112142 | GQSPKLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111142 | CALHPPPQ C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.012 | t | 144705 | KGTHSLYS QIAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.033 | 0.038 | t | 134133 | LGGAKQA GDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.02 | -0.023 | -0.018 | t | 130461 | CWNYCLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.048 | 0.04 | 0.04 | 0.041 | t | 156941 | PTEKKHV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0 | t | 50273 | QAGRTAH AVTNIFSV G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.021 | 0.02 | t | 135727 | NRSPSTGE QKSSGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.023 | 0.021 | t | 122145 | LTLFPSRDT PLSSQTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.045 | -0.05 | -0.051 | t | 97301 | FFWTILKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.045 | -0.048 | -0.037 | -0.038 | t | 157277 | FRAISTPRT GTMP | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.051 | 0.04 | 0.038 | t | 30057 | KCGVNVP YKISTSTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.051 | 0.04 | 0.038 | t | 30057 | KCGVNVP YKISTSTN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.008 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.053 | 0.05 | 0.052 | t | 78938 | CAPGQNL CY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.02 | 0.018 | t | 6763 | CPFLKQNE PEDIDCW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.02 | t | 6040 | CASYHTVS LLRSTSQK S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.003 | 0 | 0.001 | t | 125238 | RLPLPPNQ KR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.009 | 0.01 | t | 68024 | VDDMMRF NINDFLPP G | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.022 | t | 133534 | CKLTANPS LAAVV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 78695 | KDTNNNL YNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 78854 | TKDTNNN LKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.01 | t | 134699 | KDRHDFG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137136 | DQQTQIA KDTAQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134770 | QIFNLFSTK DSSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138029 | SASGSDVS LTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134654 | DQQNQFQ KAET | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|-----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138162 | EKKYSPCA WEVVRAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134699 | KDRHDFG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134578 | TVIESLESL NNY | Cricetulu s migrator ius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120155 | QPSPYNG WRMEI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131654 | SGFGVVKK PNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 131128 | VEMKKED FDIYDEDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120343 | YNLKWNP DDYGGVK KIHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122543 | QRSQDEN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120172 | RKIPKRPG SVHRTPSR Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123064 | CPTMTRVL QGVLPALP QVVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119649 | SYCEIIVTH FPFDQQN CT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119677 | WVYYTCC PDTPYLDIT YHF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119869 | FNIKSRSEL MFEKQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 123064 | CPTMTRVL QGVLPALP QVVC | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131904 | HCQICHCD VVNLTCE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123063 | CPTMTRVL QGVLPALP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131031 | RAYATEPH AK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134037 | DYDDTIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119923 | GYISKAQE YFN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119642 | SEHETRLV ANLLENYN KVIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120343 | YNLKWNP DDYGGVK KIHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116001 | TQDQDPV VHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116001 | TQDQDPV VHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116001 | TQDQDPV VHF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113879 | SQRSQDE N | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113014 | GSLPQKSQ RSQDENG | Rattus norvegic us |

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|---|------|---|---|---|-------|---|---|---|---|--------|-----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 114041 | YGSLPQKA QGHRPQD EN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114042 | YGSLPQKA QRPQDEN G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116468 | RPQDENP VVH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114042 | YGSLPQKA QRPQDEN G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 114142 | PQKSQRS QDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114149 | YGSLPQKA QGHRPQD E | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114149 | YGSLPQKA QGHRPQD E | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115664 | YGSLPQKA QGHRPQD ENG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114224 | PQDENPV VHF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109253 | GSLPQKSQ RSQDENP VVHF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117315 | KALSVETE KLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111856 | TTHYGSLP QK | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|---|---|--------|-----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113966 | TTHYGSLP QKAQGHR PQDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0 | t | 114142 | PQKSQRS QDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0 | t | 116164 | RTPPPSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113013 | GSLPQKSQ RSQDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116164 | RTPPPSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115612 | GSLPQKA QRPQDEN G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114042 | YGSLPQKA QRPQDEN G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.009 | 0 | 0 | 0 | t | 116164 | RTPPPSG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116164 | RTPPPSG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94954 | TTAETLDA TC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94954 | TTAETLDA TC | Mus musculus |

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|---|------|---|---|---|---|---|---|---|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94953 | TTAEMLD ATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78286 | TTAETLDA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70620 | VQNTVED LKLNTLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95094 | IGFRGLDG VHCTPTTD SGVI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95048 | VIFQTPLIK NPDVKSAI EG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72649 | WIRTPPAY R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95036 | RTCMTTA QGTSMP SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95036 | RTCMTTA QGTSMP SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78940 | CRRHNYG FWVC | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70304 | VPGIDPNA CHYMKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95042 | SPESDRPD LST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78939 | CINHRGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 72805 | WLTEKEGS YP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67729 | VAQYKALP VVLENA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61317 | SSRGKVVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 69271 | VKMAETC PIFYDVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55260 | RPPNAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 53326 | RDALPNTE ASGPTHSK E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53326 | RDALPNTE ASGPTHSK E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56150 | RTPPAYR | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43270 | NAPILSTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50180 | PYVEPTAP QVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50180 | PYVEPTAP QVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50339 | QAQGDGA NAGQP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48927 | PPSSPTHD PPSDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13644 | EPERTAM KKIQDCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35401 | LEDPISRDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17629 | FRPSQQN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24654 | HQTLQDP RVRGLYLP AGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 17629 | FRPSQQN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31365 | KINIGSKV NFPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31580 | KKIQDCYV ENGLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0 | t | 20064 | GGVATY | Macaca mulatta |

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|---|------|---|---|------|-------|-------|-------|------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11815 | EENVEENV EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27965 | IPNPLLGL D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9755 | DPRVRGLY FPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9654 | DPISRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7562 | DAKMTEE DKENALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9755 | DPRVRGLY FPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8859 | DKENALSL LDKIYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7171 | CTKPTDG NC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7313 | CVTIMTVD NPASTTNK DK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.041 | 0.039 | 0.04 | t | 50036 | PWLDISDF Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156933 | PLEKSHL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117097 | TLSTDQST TRNW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141575 | WKAQKRF MKKSG | Rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123106 | EALDAIRYL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131614 | QSWVHQI ALRMEVL GCEAQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115465 | RCEKDERF FSDKIAKYI PIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 82531 | GADLAAA QAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41339 | MEECSQA APYIEQAQ VIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123726 | RYIADKHG M | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 62462 | SWHLPRH SIPPW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 59927 | SNTLPRSN TSSGASP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 33846 | KTRMRID Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 110293 | IPKPSPWA PKKHRRLS SDQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 110293 | IPKPSPWA PKKHRRLS SDQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 92808 | GGKGDDIF VH | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.017 | -0.02 | t | 5773 | AYFPREGV FVFNGTS WF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.002 | 0 | 0 | t | 33220 | KRTATKQY NVTQAFG RR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 131413 | ERILTIS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.026 | 0.021 | 0.02 | t | 66189 | TSERSQPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.031 | t | 108202 | VVSHFND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104049 | LPPKLLTEP TTEGDQH PGT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42429 | MQWNST AFHQTLLQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 42429 | MQWNST AFHQTLLQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.043 | -0.04 | t | 117947 | KFKGKATL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | 0 | -0.008 | t | 98728 | DFWATW CGPCKMV APVLEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.022 | t | 35401 | LEDPISRDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.022 | t | 35401 | LEDPISRDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78410 | GSCFEIKCT KPESCSGE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 136057 | DISAFAD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39391 | LSGQPAVI PDREVLYQ QFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 39391 | LSGQPAVI PDREVLYQ QFDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 150987 | GKCPKYVK STKLRLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 118129 | SEELKTHI SKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.006 | 0.003 | t | 115785 | HSYQE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0.002 | t | 1545 | AGGYKAA DMWGPSS DPAWER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.001 | 0 | t | 66539 | TTASGKLIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.013 | -0.011 | t | 34505 | KYLIDGYEE INELLYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 48124 | PKPQRKTK RNTNRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 26246 | IGISNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.011 | 0.019 | 0.02 | t | 37035 | LKTKNEGL KTENEGLK TE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.009 | -0.008 | t | 50168 | PYSASFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.01 | -0.013 | -0.01 | t | 156978 | YHAHPLD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.007 | 0.001 | t | 122944 | WEGVGVV PDV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.028 | 0.05 | 0.053 | 0.05 | t | 111133 | AVGGEPL DLQGLVQ N | Cricetina e |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 157694 | NDWEDP MATKHFS V | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.03 | t | 139766 | GSPSATPP AADCGPA SPT | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.015 | -0.017 | -0.019 | t | 49386 | PSGPTPQH IPLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.009 | -0.011 | t | 43264 | NAPATVC GPKLSTDLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.031 | -0.02 | -0.018 | t | 111929 | VTFCKCD STLRCLVQ STHV | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 150963 | AGSGIIISD TPVHDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 119143 | EPTITFGTA I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 151670 | KLVIIESDL ERAEEERA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121848 | SGVPLCPL ESNVISC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99140 | DEEEEGSN REVRRTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103629 | TAALRAAE DDCPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103754 | YRADSV LIAAHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 58404 | SHRLHNT MPSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 58404 | SHRLHNT MPSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 58404 | SHRLHNT MPSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 10784 | DVVSTLPQ VVMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79768 | CFGKDLKR PGSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97286 | ETPLTEPA FKRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 77979 | QPPQWL WPQKEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 70397 | VPNLRGD RQVLAQK VARTLP | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 51853 | QPHGGGW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47174 | PDREALYQEFDEMEECASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39403 | LSGRPAVVPDREVLRYEFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 51853 | QPHGGGW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 16957 | FLVNAWKSKKCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115463 | QYLYQGPIVLNPWDQVKRNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 110768 | ANPENYFT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.022 | -0.02 | -0.023 | t | 74048 | YGLPNWVKVWDRATN | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.022 | -0.02 | -0.023 | t | 74048 | YGLPNWVKVWDRATN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 98230 | LPYSQPQPFRPQQPY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 98397 | QQQQPSSQVSFQQPLQQY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 98344 | PPQQPYPPQPFPSQQPY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 98396 | QQQQFLGQQQPFPPQQPY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.001 | 0.001 | t | 53691 | RFDLELTFVIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 134764 | PTPGPSRRGP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | -0.003 | -0.002 | t | 78638 | EKSLTSLSE VVLQNRRLD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135459 | GACLGKAC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 116937 | DDHSTRC WVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.053 | 0.059 | t | 108155 | TDHGAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.053 | 0.059 | t | 108155 | TDHGAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 71534 | VTTSTPGS KGSVASG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.037 | -0.033 | -0.028 | t | 68788 | VGRVWIG FWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 58921 | SKPTTKQR QNKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.014 | 0.01 | t | 135660 | ECPEGYIL DDGFICTD IDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.056 | -0.053 | -0.052 | t | 11453 | EDTQAMP FRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.007 | 0.003 | t | 118103 | RIANFKIEP PGLFRGRG NHP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.027 | -0.03 | -0.029 | t | 132906 | SYSMEHFR WG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.033 | 0.032 | t | 106413 | FFGHGAE DSLADQAN ANE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.033 | 0.033 | t | 142621 | EISVTTVYP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.009 | 0.01 | t | 44865 | NLSDAHKK NLYDHAL | Cavia porcellus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | -0.003 | 0 | t | 44569 | NKPNNDF HFEVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.04 | -0.04 | t | 68018 | VDLPQLGL RR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 119838 | ENGWAI DFCPGVIR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 72249 | WAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.006 | -0.003 | -0.009 | t | 112725 | WHTSDPL PPAQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 132538 | PPGELGPD GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 99433 | LMQKIQR DEDSYERD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 95126 | NTVSGQQ CSNGNML YIGFRG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107658 | VHNAKTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41331 | MEECASR AALLEEGQ RIAEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149068 | LNLQSR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 153455 | RVPNVLPL FPFLGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123491 | MGLDLPN LP | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121733 | QCALAIW NDRKVLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78298 | WHHMYV P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.008 | t | 49070 | PQPQQQF PQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 152051 | PVVNSLDP PLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 10831 | DWTKVTL DGRPLSTI Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.038 | -0.055 | -0.05 | -0.05 | t | 50164 | PYRLWHY PCTIN | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.01 | t | 123356 | KFEEVKEE Y | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 149442 | QQYPSGQ GFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.026 | 0.029 | 0.03 | t | 65840 | TQETGDDT PSAYSMS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 44915 | NLVILPGQ DLQYVLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | -0.001 | t | 119466 | IRGERA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.02 | 0.02 | 0.02 | t | 123342 | KAVQGGG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123628 | PQQLMPG Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.01 | t | 22685 | GTHNGQI GNDPNRD I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.051 | 0.051 | t | 153396 | HSFEPWS ARDMLGG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.008 | -0.01 | -0.01 | t | 127204 | TGHCQGD GYRVGFG Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.009 | -0.01 | t | 15328 | FCIDPTKG GKKPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.01 | t | 118430 | ISDAMKKV GRKGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.02 | t | 33891 | KTTQLSDIT SRFNSAIE ALN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.026 | 0.021 | 0.019 | t | 99018 | SYSITTPSQ FV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 107109 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 16018 | FGNDYED RYYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.041 | -0.04 | -0.04 | t | 66051 | TRLENLM WK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.011 | t | 159026 | NLAIHSDL SYWIESRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.018 | -0.01 | -0.01 | t | 73067 | WSERIREF MEKECP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 122150 | MSKTLHA QLGFKKT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.039 | -0.044 | t | 55930 | RSQPRGR RQPIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.031 | -0.03 | t | 136568 | PYYRVFYK YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.009 | 0.01 | t | 10691 | DVPDYAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.051 | 0.053 | 0.053 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115340 | LDDDLTDD IM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 143678 | DRVNLRNL RGYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 158601 | MQAHQTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111567 | MRLETSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115310 | KHIQKEDV PSERYLGY LEQL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 96815 | RCQSQLER A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 96268 | ETIFDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115896 | PPKKNQD KTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106451 | GGHWRG ANAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114787 | EDRPLCGS DN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95519 | KQLLPPSG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.01 | -0.01 | t | 95519 | KQLLPPSG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.033 | -0.033 | -0.042 | t | 127672 | GPGAGDR RREGPDRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112971 | FGAEILKKI PGRVST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 142480 | VAAVTEKL RAGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.012 | -0.007 | -0.01 | t | 74494 | YKPWCEN NKCKPLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.021 | -0.013 | -0.01 | t | 86822 | NKGKDKD VNAGTSG THT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.001 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.007 | -0.01 | t | 39132 | LRKYCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.023 | 0.03 | t | 110980 | QPLGVGIS GHPLLNL DDTE | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 41670 | MHNISQL QTVKKQT DQNS | Aotus nancyma ae |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.019 | -0.02 | t | 40283 | LVCAPAPC NFFTSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.045 | -0.05 | -0.051 | t | 137132 | DINCFRPH GVSA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.043 | -0.043 | -0.048 | t | 138264 | YSNKTPHL QWRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.021 | -0.02 | t | 49879 | PVGTVP QIPPNWHI PSIQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.021 | -0.02 | t | 49879 | PVGTVP QIPPNWHI PSIQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.017 | -0.02 | t | 36413 | LHQPPPQI FLKILPQSG PIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 119495 | MAENGD NEKMAAL EAKICHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.01 | t | 122721 | CSNSSSSQ FQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 31064 | KGSSIAAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.024 | -0.017 | -0.018 | t | 158292 | SQQLLGQ RLYGLWK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.031 | -0.033 | -0.032 | t | 99058 | WRQPRED WRRPSHQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135482 | LMDRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.015 | -0.007 | -0.008 | t | 48738 | PPAAGPRI LAPLSAGP PAAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 75441 | YPYDVPDY A | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|---------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.023 | 0.02 | 0.02 | t | 75441 | YPYDVDPY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.02 | t | 51166 | QKALGLLQ T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.043 | -0.05 | -0.05 | t | 125843 | DRPVVPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 47984 | PISLLFNEK EADDNDH EPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 38810 | LQAMRKY SPFRNGY MEPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.033 | 0.032 | t | 18527 | GAASSYFE YVDTYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144659 | GREGYP A DGGGAAGY CNTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112323 | SLTTYGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 40017 | LTLNHASS G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 7514 | DAGDSAYS Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 158609 | SFGTALW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153350 | ACTSPNQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133957 | WIRANF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 130634 | WEWDWP RIELNI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 114529 | QETTLVRS SRSSSER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149124 | TNPTQTK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107647 | TVLHQNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 104184 | PRGRRQPI PKARRPEG RTWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 66214 | TSGFASLF RLGPSQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 137733 | DTALTIQA LKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.068 | -0.071 | -0.072 | t | 46899 | PAPRRKFQ QVKRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.009 | t | 7313 | CVTIMTVD NPASTTNK DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.059 | 0.059 | 0.061 | t | 68877 | VHPQDGD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.031 | 0.03 | 0.03 | t | 49213 | PRLKHEQS V | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 132526 | PGSHFCG GTLIHPSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.018 | -0.02 | t | 118377 | GKEAWDL GVCRDVS RRKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.02 | -0.02 | t | 141616 | DIIKGNL VHDEYTKY I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.02 | -0.02 | t | 141616 | DIIKGNL VHDEYTKY I | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 141616 | DIIKGNL VHDEYTKY I | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 110975 | QIFNKPY WLQRAQG H | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.02 | t | 134028 | DDTIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.04 | -0.042 | t | 135484 | MSRPLIHFGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 148565 | DKNKLQDVKDNKPSDVKL | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.07 | 0.057 | 0.05 | t | 141777 | VVDSLEDPLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.029 | t | 139630 | VDIDIKIRSCRGSCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.046 | 0.043 | 0.039 | t | 114455 | LKPEEVAQEAAEEPLIEPL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10808 | DWERPTPYELSI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 11814 | EENVEENV EENV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.03 | 0.03 | t | 39213 | LRSPNGFLTLDQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.013 | -0.018 | t | 129659 | PTQYPPGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.001 | t | 142439 | LARLARLGEACG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.009 | -0.008 | t | 18700 | GANIPAEFLENFVRSSNLKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 117043 | MISDYSTRPDRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135686 | GRVSVSQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 122327 | EEVTTSGPCGEESVLLDRKS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 114956 | SSYANTTS ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78376 | EQSYPCW LSGTPSTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79641 | SGIAVNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 7514 | DAGDSAYS Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 138627 | SQKEVLEG ARASVDR VC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117388 | TRPNSHM HTTPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103633 | TAQTLQAF LHWAITD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115409 | PAAVRSPA QILQWQV LSNTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 96005 | WRSKYGW TAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22077 | GRIILSGKP ATIPDREA VLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 20043 | GGSWGQP HGGGW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 109099 | GGGGDIV PIWAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.011 | -0.01 | t | 74708 | YLILSARDV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 146624 | WNWFDIT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 49414 | PSKPTTKQ RQNK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.016 | -0.01 | -0.008 | t | 128086 | QTGWCAF QLCNSYDL F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.012 | -0.01 | -0.009 | t | 61006 | SSFSPNNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.017 | -0.017 | t | 144433 | PNEEITAT MDKIQTSF HCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.033 | -0.021 | -0.02 | t | 71851 | VVTHEMA HALG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.03 | t | 7671 | DAVSRKK MDTKPTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.02 | 0.02 | 0.02 | t | 123013 | AIFSQFGQ ILDILV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.01 | 0.013 | 0.01 | t | 156918 | MAITDHP GSAMV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.01 | t | 71297 | VTFDGGK M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.025 | -0.017 | -0.02 | t | 66977 | TVDNSAST KNKDKLFT VWK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.017 | -0.02 | t | 66977 | TVDNSAST KNKDKLFT VWK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.023 | -0.03 | t | 119595 | ICNVNHKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 108010 | LMPNMN APITGRAL E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 6456 | CITQYERES QAYYQRG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.033 | 0.023 | 0.018 | t | 8379 | DGEPPED DDSATGLA FRTPN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|---------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 54291 | RISNLND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.08 | t | 132153 | AKKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 125245 | RRLDQYQ IHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.061 | 0.05 | 0.05 | 0.05 | t | 134161 | MGSASGH FTD FE | Rattus rattus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.013 | t | 132010 | PPGLTGQK PPLSTWD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.002 | -0.011 | -0.01 | t | 67908 | VDASSGSN RFAALPAF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | -0.002 | t | 134220 | RQGAEP RKNFVKPNE TKTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.011 | t | 106561 | KHYAAFPE NLLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.011 | t | 106561 | KHYAAFPE NLLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.032 | t | 49110 | PQQSFPQ PQH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 101918 | NENNGGC DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 119648 | SWNSGAL T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78883 | VTPYWPP VQSIRSPG TPSMD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149090 | NSTQGPV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148830 | QQLAQIP QQL | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119979 | KAEFHRW SSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119979 | KAEFHRW SSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119979 | KAEFHRW SSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 124734 | SPLSLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99559 | QEEREFSP RGQHSRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79045 | PQANAKI WIAGQGP TKEDDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60022 | SPDVDLG DASGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.021 | t | 131274 | VVRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 138626 | SQKDILER KRAAVDR VC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 138626 | SQKDILER KRAAVDR VC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 127740 | MHRPNLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115793 | INNQLFPY PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99581 | QPRREEG GRWGPAG P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107021 | YNRYPEM MLVTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 47193 | PDREVLJR EFDEMEEC GSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 137848 | FDRFKGSG PGYY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 98815 | HRIFLAGD KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.008 | t | 49068 | PQPQQPF CQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.009 | 0.002 | t | 115750 | GFYTTGAV RQIFGDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.051 | 0.053 | 0.053 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.023 | -0.028 | t | 126757 | NKPLITVT NSKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78977 | GDGRFHFL RGFFDSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151659 | KATDLLLD DSLVSFLG NRRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.001 | 0.002 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | 0.003 | 0 | t | 66046 | TRKTSERS QPRGRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | 0.003 | 0 | t | 66046 | TRKTSERS QPRGRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.009 | t | 58409 | SHSAFNM FDFGVGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.04 | t | 33663 | KTFGSSGS SAVDSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.024 | 0.01 | 0.008 | t | 28228 | IQTAFNQG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.074 | -0.074 | -0.073 | -0.082 | t | 127779 | PSRRRRRR KATLAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 107355 | EYGFDTSD YYYYY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.014 | -0.019 | -0.02 | t | 21214 | GLVSMFSV GP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.01 | t | 122947 | WTQEPQP LEEKWQH RVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.019 | 0.02 | 0.02 | t | 150050 | YEDTVLPE APAIVTP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132143 | AGPCILLA RDRCPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.006 | 0.009 | 0.012 | t | 149247 | AEQQWAL YADGSIRP Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 95118 | LQFHHD PQAGKMP RWVRVI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 140506 | THYGSLPQ KSQH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.047 | -0.04 | t | 135482 | LMDRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | -0.002 | t | 91911 | RRQQLQ EIERRNA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 132821 | FGSNQSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149033 | EDFRFESSL SINDHA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149039 | FLHTRLFV SDGINS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121741 | QCVLAIFN DVYWLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 147548 | CIGHLPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119627 | QDWLNGK E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123452 | LPKIKAYM E | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 60678 | SRGNHVS PRHYVPES EPAAR | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 60674 | SRGNHDS PTHYVPES DAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46989 | PAVIPDRE LLYREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 32780 | KPLAMDP LHVST | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.009 | 0.01 | t | 28396 | IRSAEVVS RMLVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 131770 | YLMKINS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103227 | GNKASFLD QVHFQPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115465 | RCEKDERF FSDKIAKYI PIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.053 | -0.05 | -0.051 | t | 115271 | GQKGRGS RG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | -0.003 | -0.002 | t | 56186 | RTTADRQT ACNCLKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 50156 | PYQGSGK GVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135580 | MDIPPPTG PT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.043 | -0.042 | t | 3912 | APYHFDLS GHAFGAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.031 | 0.033 | 0.04 | t | 113679 | PEVPEVED E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.033 | t | 6225 | CFGKDLKR PGSSPME V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.022 | -0.01 | -0.009 | t | 100072 | GNGQGH NMPNDP NRNVDEN A | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | -0.003 | 0.001 | t | 33149 | KRHDGGC RKELAAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.023 | 0.027 | t | 140620 | YSLYQALT A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.047 | 0.051 | 0.052 | t | 53092 | RAETDDVE PSVAAEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.071 | 0.067 | 0.068 | t | 106872 | SSSSSGSG SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.021 | -0.02 | t | 81856 | ETSRSVFH QNGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.019 | 0.03 | 0.03 | 0.03 | t | 106494 | GYENPTYK FFEQMQRN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.019 | 0.02 | t | 20455 | GITGETTTT EYSNARYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.013 | -0.012 | t | 43262 | NANSIIYAL NGRALV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.022 | t | 39082 | LRFDQNG VLMENSSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.011 | 0.001 | 0 | t | 75161 | YNHALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94623 | NPACGRH | Capra hircus |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94623 | NPACGRH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 94623 | NPACGRH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 94623 | NPACGRH | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.046 | -0.05 | t | 140648 | ALREYRKK MDIPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.009 | 0.01 | t | 54989 | RNFTTAPA ICHEGKAY F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.014 | 0.009 | 0.01 | t | 54989 | RNFTTAPA ICHEGKAY F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104123 | MNKTFSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 97324 | GDSQATY NY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137449 | SHRLPAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149514 | VPQLQLQ NPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149514 | VPQLQLQ NPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123639 | PVRLLEY G | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128099 | SEGWPAI DGSFLAAV GNLIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107532 | NSTYRVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 62051 | SVASGGSG GSVASGG | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67649 | VAKPAGA VSTQSAKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79410 | TCKELQW LPRLRCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78399 | GLLNDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55270 | RPPRYLAN Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 25646 | IDPSFRLGF VPVSRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144675 | GTHPFLSQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144675 | GTHPFLSQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144675 | GTHPFLSQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 130605 | SCRLFGKT YLCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 130605 | SCRLFGKT YLCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133959 | WIRMNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103420 | MSFVTIQP VVLAAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79142 | ACDPSTV MVPWPCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 156423 | QNQLDQV PRRFYLAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 51084 | QIISQQPF PL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.027 | -0.032 | t | 4907 | ATCDKLFG YYERGIPLP CAL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0 | t | 127187 | TDAQRREL EKHSLSRVI C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.009 | 0.01 | t | 64655 | TKQYNVT QAFGRRG P | Macaca cyclopis |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 148565 | DKNKLQD VKDNKPS DVKL | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.01 | t | 97525 | NLTAWN P S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.011 | 0.009 | t | 99920 | DADNILVI QQGQATV TVANG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0 | 0 | t | 20354 | GILGFVFTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.001 | 0 | 0 | t | 20354 | GILGFVFTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.02 | t | 153286 | QKLVFFAE DVGSNKG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 119521 | RRKPGTEQ L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.009 | -0.01 | t | 131037 | RHWTTQG CNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.01 | t | 72668 | WKDLLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.01 | t | 110113 | WYRQTM MRGLELLI YF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.002 | 0.007 | 0.012 | t | 33077 | KQSYAATV ATAPAVKY TVFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.001 | t | 133674 | RHRY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.034 | 0.041 | t | 45279 | NNVDQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.028 | t | 117432 | AARGRGR GMGRGNIF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 100372 | NYMDKFN EQE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103296 | IVMSTNN DDPAGACR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79770 | CGIAAKLG AAAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.012 | 0.01 | t | 20657 | GKPALVPD KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103490 | PPGYDITA LLQAHPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 101253 | SPNHNSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 71536 | VTTSTPGS SGSVASG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 65931 | TQSFLATC VNGVCW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41322 | MEECASH LPYIEQGM HLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39376 | LSGKPATIP DREALYRE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.022 | -0.02 | -0.022 | t | 64081 | THSWEYW GAQLNAM KPDQLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149780 | KLSLDLDQ FPLGRRF | Oryctolagus cuniculus |

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|---|------|---|---|-------|-------|--------|-------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149780 | KLSLDLDQ FPLGRRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 120471 | EFLNLIKSL S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | 0 | t | 56610 | RYPGQGS PGGNRYP PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.046 | 0.05 | t | 115605 | GDEVELPC RISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138892 | REQAPNL VY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 146185 | DAEFGH | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134220 | RQGAEP KNFVKPNE TKTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147098 | LNKPLITVS NSKI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134830 | YSPCAWE VVR | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138840 | DREQAPN LVYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153472 | TGLRNGIT NKVNSVIE KAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148481 | YTRDLVYK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135475 | KRPKPGG W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144742 | PFYGYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147559 | CTVRGLG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147288 | SKFQDTH NNAHYV FFEE | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 150858 | ISSLYNLVK SS | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140853 | GEYVQILD AHAAYLN ATPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148424 | VYKDPARP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 150204 | FHSVVTHTL LEWLMEK ELMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 146795 | CCELCCNP QCAGCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135484 | MSRPLIHF GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135497 | RYPNQVYY RPM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136064 | HQIALRME VLGCEAQ DLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141523 | ALEPPHNL PVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134860 | AGPKAQV EAIQKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147083 | LCSEYRNT QIYTIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135465 | GSDYEDRY YREN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134641 | ALILLAQM GR | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137770 | TLARSFII CIQM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134200 | PVVNSLDP PLLTRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134694 | ISPFCLK | MD |

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|---|------|---|---|---|---|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140892 | QILDAHAA YLNATPAA KVLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 138194 | IIPKSSWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142913 | MVLNEGT SGTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128084 | QKNACSF DLCNSYDV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133551 | EAPPPTLP PDMAQVT VGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131967 | LRLDCRHE N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130916 | KEDFDIYD EDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127944 | DLVNCNL NTNCVAV AFSLPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131274 | VVRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 129973 | SPRSFQKK T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127919 | AFSLPDRS LSAIPLDV SFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127933 | APDDSFKK LEDRTNL KF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118877 | LDVEQLGI PEQEYSC | Mus musculu s |

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|---|------|---|---|---|-------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128136 | VFIADSDG KLNFKEWS VCVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134020 | CPEEPQLR MKNNEEA EDYDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122113 | IIASTEKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131164 | YRLWHYP CT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134015 | CDKNTGD YYEDSYED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125127 | LDPENLTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130994 | PDQRPYC WHYPKP C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128043 | LDAMPAG NPAFPVIP G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122892 | RSILPYGDS MDRIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131037 | RHWTTQG CNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130513 | IGYQPSMP LDMP | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133611 | IVSYLCDLA PEAPPPTL PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130469 | DQPPTSrv PSLR | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 124588 | PQEETLQA FDSHYDYT | Ovis aries |

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|---|------|---|---|---|---|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125055 | FVYGGCQ GNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122857 | MGCSSPP CECHQEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128004 | GMIEVQS NYGFVWD VSLKKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130607 | SHNLVSSA FPSA | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130614 | STLPYLPTY SKH | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122083 | DPNIKLVL DDCWATS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122202 | TSPPLLWD SVHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121292 | FATFVYAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130622 | TGLVAQG TDSIG | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130518 | ITQSTQSF NDFTRVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103886 | EQHNPINA GTELSAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106347 | DMQLYPV LPTPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108482 | IINPSENG DTSTNGIK K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110980 | QPLGVGIS GHPLLNLK DDTE | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106909 | TISQLYSSYPSP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108291 | AVGADES VVKEAHREVINS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99824 | ITQSTQSF N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105163 | EFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103998 | IVKWDRD M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115630 | NFDKLYIW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108412 | GTTDHVG VPTYDWG K | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104175 | PINAGTEL SATGNESG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103792 | AGTELSAT GNESGGG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106938 | TTVQLYST YPAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108227 | YIHEGLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106322 | DAEFRHDS G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117235 | SS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102344 | DAEFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106850 | SLQQLYDE YPGP | Mus musculus |

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|---|------|---|---|---|---|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106941 | TVKQLYTL YPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104327 | VEQHNPIN AGTELSAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106363 | DVYWLMP DPPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106535 | IFPSFLRPD PPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115652 | SSRISIWWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108551 | NDSLNTGF LAFLFYTKK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106487 | GTSTEVWL APDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111013 | RTGYIPLG TRPPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99849 | VNSTEAET I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104132 | MSENVEQ HNPINAGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115540 | VKNKRTEFL SPWISNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106515 | HLPSFLRP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104327 | VEQHNPIN AGTELSAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117195 | DT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115351 | LKQKSSNS RKKRSTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70656 | VQTRHVV QHRSRSES SIESF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 91100 | AFQTPVHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96102 | APLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 79369 | RGDLRGDL RGDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66841 | TTTCFRDT DTGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61801 | STNSGINN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79369 | RGDLRGDL RGDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 64698 | TKWCPPG QLVNLHDF RSDEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78107 | ATYQSEYL AHRRIPP | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79444 | VARGDLA ARGDLAA RGDLA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 76290 | YVHDNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70437 | VPPTQSKK KNKNET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80049 | TGELTMY WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79368 | RGDLARG DLARGDL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 89660 | TQKIPKAN AADADTD TT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63756 | TFTNKLKE KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78424 | IPRSRQIDL QIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64698 | TKWCPPG QLVNLHDF RSDEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73889 | YFRTLEDA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95058 | AGLQND | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71798 | VVQAMYV PPGAPNP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 94580 | LDNKYAGK GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73636 | YEDRYYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96367 | HSNLDHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64010 | TGYRYDSR TGFFATN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0 | t | 79368 | RGDLARG DLARGDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70729 | VRGLYFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95524 | KRQIYTDIE MNRLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67253 | TWEVLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63022 | TATRLLSST NSRLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 91109 | AHFVQQT P | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79369 | RGDLRGDL RGDL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96854 | SAPSISTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64010 | TGYRYDSR TGFFATN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64010 | TGYRYDSR TGFFATN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66976 | TVDNPAST TNKDKLFA VWK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65574 | TPGENK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73636 | YEDRYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 62440 | SWFDNFL YPTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78159 | GALATYQS EYLAHRRP PP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66704 | TTLNPTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64985 | TLNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 74430 | YKAYVSYK KRKAQEK | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96874 | SIAPDLSLD FEKLVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64266 | TIDGKKYY FN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 89067 | SRTRTTSV GDKQVAS KV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 70656 | VQTRHVV QHRSRSES SIESF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 75418 | YPTFGEHK QEKDLEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97348 | GLFGAIAG FIEGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 73131 | WTGVAQ D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 63839 | TGGSTDG KQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60991 | SSFFSYGEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 68972 | VIGIINNTV YDPLQPEL DSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61944 | STTNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65910 | TQPELVPE DPED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 72911 | WNSTTFH QTLQDP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97484 | LVEETSFID AGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 66539 | TTASGKLIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67253 | TWEVLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 65421 | TNSGINNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 65910 | TQPELVPE DPED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58582 | SIKEDVQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 57306 | SDVEGLQ NDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45932 | NSNNPDW DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48690 | PNPNDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51772 | QNTEEME NLSDRVAS | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51772 | QNTEEME NLSDRVAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43233 | NANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49645 | PTGTAAA NYKTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38946 | LQPGKTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47427 | PESRESLA WQTATNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39092 | LRGDLQVL AQKVARTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45443 | NPNVDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48597 | PNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38617 | LPPIQNTR NVVP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44474 | NKDKLFAV WK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43227 | NANDPP | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57726 | SFANTNTN TNSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38522 | LPHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39504 | LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48715 | PNVDPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58511 | SIFYTYGTA PARISVPY VGI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57644 | SETFTNKL KEKHTDLG KEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57320 | SDYEDRY REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38918 | LQND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58872 | SKKSVTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40739 | LYDSYAY YG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48685 | PNPLGFFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56373 | RVNQVAE VLQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41019 | MADPNRF RG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 41019 | MADPNRF RG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 54058 | RHKQKIVA PVKQTL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 46008 | NSTNSGIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 45202 | NNNSTNS G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58802 | SKDVKIEV YL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48017 | PIYGKTIST PSDYM | Mus musculus |

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|---|------|---|---|---|--------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59229 | SLKMADP NRFRGKDL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48017 | PIYGKTIST PSDYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59876 | SNPPGMA LSAPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50396 | QAYQQGV TVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 56599 | RYNLVFSG DSDRICSN RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48620 | PNDPPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41126 | MASLIYRQ LL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39092 | LRGDLQVL AQKVARTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40332 | LVFFAEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44531 | NKKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40332 | LVFFAEDV | Mus musculu s |

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|---|------|---|---|---|-------|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41126 | MASLIYRQ LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 53326 | RDALPNTE ASGPTHSK E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 57648 | SETLKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 59810 | SNEFAPVQ NLTGSSVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44251 | NIISCNKN DKNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28277 | IRECTGLA WEWWRT V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29567 | IYDKLTVQ TTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22509 | GSSIAADQ LP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30036 | KAYSNCYP YDVPDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Mus musculu s |

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|---|------|---|---|---|---|---|---|---|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10801 | DWEDRY RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11575 | EEEEEDG FMGFGMF D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27614 | INDSTTVE PILD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 10579 | DVELSLRS SDIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21399 | GNDLGKV QVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 29088 | ITSHTGYL QLRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30349 | KEEKEEKE EKEEKEKE KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22652 | GTGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 34169 | KVPTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27997 | IPQPQWT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHD A | Homo sapiens |

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|---|------|---|---|---|---|---|---|---|---|-------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11819 | EENVEHDA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 27997 | IPQPQWTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22027 | GREVKAETRLNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 19375 | GENK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17642 | FRRYQEER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35852 | LFIG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31916 | KLILAYTPPGARGPQD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28299 | IRGDTFATR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 35329 | LDVTTLNP TI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22792 | GTQETGDTTPSAYSMS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32808 | KPNLSSKRSELSQLSMYRVF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11148 | EANNREGVEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 24006 | HHPITDSDQTRLY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21856 | GQDLTAH | Mus musculus |

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|---|------|---|---|---|---|---|---|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13460 | ENDVLNQ ETEEEMEK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30036 | KAYSNCYP YDVDPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21084 | GLQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30036 | KAYSNCYP YDVDPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32691 | KPEENK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14808 | EVLYLKPLA GVYRSLKK QLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31105 | KHFRETEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11148 | EANNREG VEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17881 | FSWDWSG HNYINEIE ATSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33163 | KRIPNKPK GKKTTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28512 | ISGINASVV NIQKEIDRL NE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14809 | EVLYLKPLA GVYRSLKK QLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 22870 | GTVAPQIP PNWHIPSI QD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17470 | FQEPFWLE DG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 17408 | FPSPYYSP AFTKGEKV DL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21928 | GQPAVRN ERATGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 17470 | FQEPFWLE DG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11463 | EDVNGIRK PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 30716 | KFDWNTP D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 22870 | GTVAPQIP PNWHIPSI QD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32570 | KNNNSTN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9585 | DPAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1698 | AGTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6226 | CFGNSEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6171 | CEKAKRAV RGRQDRP KEFP | Oryctola gus cuniculu s |

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|---|------|---|---|---|-------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8936 | DKLTTREIE QVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9516 | DNNLVSG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 868 | AEEAFDL WNECAKA CV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 279 | AALGDSLY GAASLNDF GILA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6093 | CDCDRTA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6015 | CAPESIEFP VSEARVLE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 6832 | CPRPPRAV AAYGPGV DYK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3242 | ANDPPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4401 | ASFFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7768 | DDEIYGND GHP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9520 | DNNQTSP | Mus musculu s |

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|---|------|---|---|---|-------|---|---|---|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 494 | AAVLNLTT WNPTLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 7313 | CVTIMTVD NPASTTNK DK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 5109 | ATPYHPPA TP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1700 | AGTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2157 | AKAVYQQ FVEFYEKV TGTDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4331 | ASARGDLA HLTTTHAR HLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6832 | CPRPPRAV AAYGPGV DYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7851 | DDPPATVY RYDSRPPE DV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 4038 | AQPVKIDN ASPAST | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.05 | -0.052 | t | 133527 | AYIGLKDR KRPSELRRRI AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 81130 | DLFHVNG RDTMNIIV DENKY | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 56763 | SAETIFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 56763 | SAETIFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.023 | -0.03 | -0.03 | t | 58083 | SGIGPEKA FR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.018 | t | 59853 | SNKEGVA ADGDALN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.033 | -0.03 | t | 123878 | YMPPPGM I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 52082 | QQPFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.001 | t | 112672 | TAEFQMT FHLFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.013 | -0.027 | -0.033 | t | 117449 | CVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.015 | 0.02 | 0.02 | t | 60721 | SRKSYKKM LKEMGEV APEYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.023 | -0.027 | t | 121194 | DGKAKVK DEPQRRSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.09 | -0.094 | -0.09 | -0.093 | t | 136060 | EKPCLRKD MYKKMIE VDPL | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.012 | t | 98852 | KMVAPVL EEIATERAT DLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.021 | t | 132145 | AHDPPAQ VLQELNVT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.033 | -0.041 | t | 134034 | DSYEDISA YLLSKNNAI EPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 147218 | QGSFQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 158582 | APAHQIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132007 | PLSSTAQS TSARNSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115932 | QVLSNTVP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111558 | MPLTQKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103328 | KTLDAAG KLLDNDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149046 | FQINPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130473 | ECIVYGKT ALCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130473 | ECIVYGKT ALCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110609 | GPKGANG DPGRPGE P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100868 | GDLGSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 41340 | MEECSQA GPYIEQAQ VIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132864 | LQEKLSPL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123792 | TQAPRIM H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79412 | TCLEVNW LTRMACM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115204 | DEALEKFD KALKALPM HIRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.017 | -0.02 | t | 48762 | PPDHSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.012 | t | 7246 | CTYSFVSLL SPGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.01 | t | 45222 | NNRDVPA SIDWREYG YVTE | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.03 | -0.03 | -0.03 | t | 62971 | TAQRCDH S | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156935 | PLSKMHI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 111304 | GAVGENV PDDLIIKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.008 | -0.019 | -0.02 | t | 72562 | WHWTWL SEYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.008 | -0.019 | -0.02 | t | 72562 | WHWTWL SEYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 23295 | GWVDHFA DGYDEVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.006 | 0.001 | 0.002 | t | 23296 | GWVFGST MNNKSQS VII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.021 | 0.021 | t | 73068 | WSEVDAV SSP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.027 | -0.03 | t | 74801 | YLLQKL RN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.027 | -0.03 | t | 74801 | YLLQKL RN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136522 | NDFFTYHI RHGEVHC GTNVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130916 | KEDFDIYD EDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115652 | SSRISYWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115630 | NFDKLYIW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109996 | TRLSRTIGY TVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 44576 | NKPVQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 58450 | SIAMNNID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39183 | LRRDL DAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 28911 | ITGHRMA WMMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 72908 | WNSQKDI LEQARA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.01 | 0.002 | 0.003 | t | 157443 | KAKDAEKK KAKTD | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.04 | t | 62345 | SVTCPQQ V | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 94644 | PNKKPGKK TTTKPTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.03 | -0.03 | t | 146333 | ILVAYAPP GAQPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.042 | -0.04 | -0.04 | t | 46985 | PAVASRRR PTTAGAAP LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.011 | 0.01 | t | 133687 | SAEALLRL QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.051 | -0.041 | -0.04 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | -0.009 | -0.003 | t | 131129 | VFQSYFSM PTPAHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | -0.002 | t | 118185 | TSQFTGLK C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.03 | -0.033 | -0.03 | t | 130610 | SMCMHG GAYCFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.019 | t | 133738 | VTPYFSYP WAISCKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.05 | -0.043 | -0.048 | t | 131144 | WEKPFRR HPEHFLDA QGHEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.014 | -0.003 | -0.002 | t | 76244 | YVDDHLM CDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 149474 | SQVLQEST YQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149124 | TNPTQTK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127768 | PQDPRSP GPAPRRR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113463 | GQGQQG QQPGQG QQ | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103078 | AYVITSVD EEMRHNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113466 | GQGQQPG QGQQGQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113687 | PGQGQQP GQGQQGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79192 | ECEHWGG QSQVQCR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141731 | QSDKHWG MATPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123181 | FLGDRHYL T | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78243 | PLFRPS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95814 | SAQSGASA QSGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95814 | SAQSGASA QSGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95814 | SAQSGASA QSGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79623 | PDCSRLVG ATPERPRL RLVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95814 | SAQSGASA QSGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95814 | SAQSGASA QSGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 138191 | HPTWSSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 138191 | HPTWSSL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156873 | GGNFMRA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.03 | -0.03 | t | 138191 | HPTWSSL | MD |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.03 | -0.03 | t | 130635 | WGPRVIFE DVTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79050 | QKSKPF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.07 | -0.07 | -0.07 | t | 142441 | LFSPWLRV QNHF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.011 | t | 153434 | NSPFMLH SALSGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.038 | -0.04 | t | 79041 | PKARQPE GRAWAQPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.007 | 0.008 | t | 68300 | VENGNAT PQLTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.02 | t | 96771 | QFFRRMD Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 158721 | DSGCAIDL QRRELKCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.031 | 0.021 | 0.02 | t | 65937 | TQSLASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.021 | 0.022 | t | 2136 | AIYHTENA YVSVVSSH YNR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 115081 | LLRFFVAPF PEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.006 | 0.006 | 0.017 | 0.024 | t | 33893 | KTTTSSHP | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0.003 | -0.002 | t | 3275 | ANETIYNT TLKYGDVV GVNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.011 | 0.012 | t | 82633 | GFYVLEND YS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.03 | t | 151041 | PFQNIHPIT IGKCPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.015 | 0.017 | 0.01 | t | 133841 | GRGNGDP GGGMEKD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 11571 | EEEDDDM GFGFLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.034 | -0.031 | -0.029 | t | 38982 | LQSARRGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.009 | -0.012 | t | 153266 | IVTARARH DWNWVQ RSSRSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.037 | 0.03 | t | 125607 | YVSIDVTL QQLESHSF YNLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.037 | 0.03 | t | 125607 | YVSIDVTL QQLESHSF YNLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.03 | t | 157276 | FQSQPPP GVPQG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.07 | 0.07 | 0.07 | t | 119987 | KIDIDTEAY TENGEW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 119987 | KIDIDTEAY TENGEW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 119987 | KIDIDTEAY TENGEW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.011 | t | 75902 | YSTEVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.012 | t | 118565 | QALGITTKI SRGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 44340 | NISGHVR MGTMKIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 126884 | QLPEEARP AAGTAC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.001 | -0.001 | 0 | t | 50027 | PWFLAHH TGGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.02 | t | 44978 | NMGLIAG AVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.067 | 0.07 | t | 142006 | SDSAQGS DVSLTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 103349 | LGENGNG GMVTGCA E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 99140 | DEEEEGSN REVRRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106098 | SADQISTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153353 | ACWALRD PLCGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142411 | EAQKACEK AKKAHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123725 | RVSMIEGA A | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119527 | SRKATASL P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104748 | DEYCSPDH NC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105884 | IMAKFTQF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95128 | PFDVQKC NLKFGSW TYGGWS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.007 | 0.014 | 0.02 | t | 141967 | NGDKSTQ KYNELKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 153269 | LSPPLRNT HPQAMQ W | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133953 | WIINNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115684 | ALINNQFL PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 117387 | TRPIPSHM HDKW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 18758 | GASAQGS SGPSGTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117059 | PQTDGSTR PRGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.009 | 0.01 | t | 100103 | HHQKLVFF AE | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 32738 | KPIVQYDN F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 32738 | KPIVQYDN F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 130454 | CLFPNNSY C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0 | t | 71921 | VWARPDY N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | -0.001 | t | 97231 | CNTKCQTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.013 | -0.023 | -0.031 | t | 117449 | CVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | 0.003 | 0 | t | 54232 | RIRADFNA SMDLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.007 | -0.01 | t | 58121 | SGLPGTRG GSGVPGPI NPPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.009 | -0.01 | t | 135787 | VPLDGKTI TNNQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51574 | QLVNSNG SWHIN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.007 | 0.002 | t | 122655 | YKRGII DR GQYLQLQ ELECD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.013 | 0.012 | t | 99060 | WTT PDT S PNCRIDQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.013 | -0.01 | -0.011 | t | 132857 | LHFNKRILK SKMSES | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 117111 | WPMNDD STRPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 774 | ADSVGGK D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.029 | 0.029 | 0.031 | t | 133611 | IVSYLCDLA PEAPPPTL PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 102139 | TLQPDRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 142204 | KLEEQNKI SEASRKGL RRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.043 | 0.04 | 0.04 | t | 58914 | SKPFATDS GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 68185 | VEFTKDTQ TGMSGQT ASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 68185 | VEFTKDTQ TGMSGQT ASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 115929 | QSLTLTDV EN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 122555 | RITNRDPRI SSGSL S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140935 | YGEEKPAV LGHDEAAY SKNR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140935 | YGEEKPAV LGHDEAA YSKNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 143674 | DRVALRNL LRRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 147545 | CFGHKPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110593 | GFPGPRG PPGPQGA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115851 | LQDKIHPF AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115879 | NYQQKP VAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95827 | SGASAQS GASAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95827 | SGASAQS GASAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95827 | SGASAQS GASAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95827 | SGASAQS GASAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 58195 | SGPSGPSG TSPSSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22078 | GRIILSGKP ATIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 35175 | LDHVLDH V | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.01 | t | 428 | AASEALDP HAFHLLN TYGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.019 | -0.02 | -0.02 | t | 140601 | SLYSFPEPE A | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 28075 | IPSTAFTDI AWVRLPN HY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149506 | VEFTDHLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.057 | 0.057 | 0.053 | t | 135471 | KDKATFGC HDGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.041 | 0.042 | t | 57716 | SEYSSQPS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.048 | 0.051 | 0.051 | t | 22755 | GTLVKTIT DDQIEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.029 | 0.03 | t | 137846 | FADGQPKL VSDQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.001 | t | 3289 | ANGAGNQ PGANGAG GQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.022 | t | 7381 | CYGVPDHI KVWDYAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.022 | t | 7381 | CYGVPDHI KVWDYAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.014 | -0.02 | -0.022 | t | 7381 | CYGVPDHI KVWDYAT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 62975 | TAQSTMK AEEITP | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 64782 | TLETKLGL KRQL | Mus |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | -0.001 | 0 | t | 71568 | VTVVTTSG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 39198 | LRRTQSM GIQLDQ | Mus |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 53763 | RFQEALKK SLKKP | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 54923 | RMMATK DSFQSFN | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 44602 | NKSTLQNR RAAVS | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 44917 | NLVLNRDV SFQDL | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 52720 | QVKARNII SPVMG | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 25200 | HYTNESKF KFILE | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 13080 | ELGLISIEA ASDI | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 23727 | HEQQLVT ARQKLK | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 35161 | LDFSLPSSS SYSY | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 7496 | DAEKAVEV DPDDV | Mus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 723 | ADLVAAQ KLATKP | Mus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.011 | t | 53355 | RDGQLTIK AERTEQKD FDGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135497 | RYPNQVYY RPM | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.045 | 0.05 | 0.052 | t | 97296 | FAITNVTTN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 127768 | PQDPRSPGPAPRRHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.003 | t | 135864 | VNDIFERI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 112145 | GSGSGTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 158593 | GRQAQYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148860 | QQQLPQPQQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 124279 | HPLASSLHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119667 | VNHKPSNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115731 | EPVLGPVRGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115987 | SVLSLSQSKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31350 | KIMSKWGNFNFNINAYNMSNF | Aotus nancymaiae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 1811 | AHQWHFPRSRSTTTN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 120836 | NLIKSGVATK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114280 | CKWSVAHLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114280 | CKWSVAHLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 86900 | NLPNDVFR EAQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115599 | DEGGFTCF FRDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115969 | SLPQNIPPLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 79385 | SCRLSTFSMRMVCN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.022 | t | 52139 | QQQTAPK APTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.003 | 0.008 | t | 130063 | TEVPFRL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.032 | -0.03 | -0.032 | t | 31554 | KKGSSGYC AWPACYC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.032 | -0.03 | -0.032 | t | 31554 | KKGSSGYC AWPACYC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.011 | t | 64759 | TLDTAH | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.026 | -0.023 | -0.02 | t | 33483 | KSQGERS WTWRKEA H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 144777 | SGTHMNL YLHDTAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.017 | -0.02 | t | 49400 | PSHYVPRI Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 117112 | WPMNDD STRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.03 | t | 33053 | KQPYNLT AWFRMG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.044 | 0.039 | 0.038 | t | 44142 | NHGNYS A QVGASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.029 | -0.027 | -0.028 | t | 98183 | KSAYTPAY YT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | 0.003 | 0.001 | t | 5558 | AVTFASFD VPSKQPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.053 | -0.04 | -0.04 | t | 11930 | EEWSQCS VYCGSGVR VRKRK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.017 | 0.022 | t | 46676 | NYNVLMV PKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 119473 | KILKVIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149083 | NPTQGSP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153344 | ACRDHSDL WCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107882 | HEHTFGR QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105148 | DVAGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105148 | DVAGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105148 | DVAGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111552 | MKVSNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107882 | HEHTFGR QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41335 | MEECSKA RPYIEQAQ VIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 30603 | KESHDQFL QHRILFKG FFTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.008 | -0.01 | -0.009 | t | 31074 | KGTLTWS G | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149414 | PQLPYPQP QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119591 | HTCPPCPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 111160 | CNKLSRPV C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.014 | -0.016 | t | 138758 | AMVYLGA KDSTRQI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.017 | 0.012 | t | 125453 | KDRLQGM APAAGAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.011 | t | 42039 | MLQDMAI LTGGQVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.004 | -0.001 | -0.002 | t | 47024 | PCIGYVRS GGAVPPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.023 | 0.02 | t | 45681 | NRGKMDV SGVQAPV GAITTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.012 | t | 37656 | LLPHSNLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.001 | t | 111581 | NGICWGN QLFVTVVD TTRST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.001 | t | 111915 | VHTGFGA MDFTTLQ ANKSEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.001 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0.001 | t | 108600 | QLINTNGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.014 | 0.02 | 0.022 | t | 53633 | RESNGETK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.01 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.042 | t | 67615 | VAGRKKLE ELERDLRK TK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.003 | -0.009 | t | 105967 | MKRGLTV AVAGAAIL VAGLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.05 | 0.05 | t | 129830 | RSILPYGDS MDRIEKD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.002 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 73636 | YEDRYYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.052 | -0.05 | -0.049 | t | 133744 | YGGFMRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.019 | t | 119614 | LWDQTYG VPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 95268 | CAQVYNKL GMYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 95268 | CAQVYNKL GMYP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.003 | 0 | 0 | t | 15657 | FESSAAK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 55677 | RRPQDVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 19737 | GGGAGAG GAGAGGG GR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 130612 | SPNTAHIT SKSL | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.043 | 0.053 | 0.052 | t | 106344 | DIVMTQSP NSLAVSLG ERA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 130925 | KLLPEDDE SRTYHTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.029 | 0.03 | 0.031 | t | 43840 | NFGDQDLI RQGTDYK HWPQI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115324 | KNQDKTEI PTINTIASG EPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151670 | KLVIIESDL ERAEERA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 119676 | WQQGNV FS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114787 | EDRPLCGS DN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115881 | PEINTVQV TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 114555 | QSENDHR RSIVRVEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135562 | IHAMDIPP PTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118052 | PPGAMPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 124285 | HPLSPHPS Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127715 | KQDPPSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108031 | MGTVLLP NGEFSIEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98988 | RQPRREEG GRWGPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108558 | NNSFEKVK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121683 | NVSLLLVA RPKYLLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121683 | NVSLLLVA RPKYLLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132481 | MMPVGP APGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 97590 | QRDKVNL TL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.004 | -0.01 | -0.014 | t | 92794 | GENKRPN DKAGEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.032 | 0.03 | 0.032 | t | 79621 | NQAVDSY DPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.003 | -0.008 | t | 122101 | GKGAGDL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.014 | 0.012 | t | 21173 | GLTSLFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 134116 | KGDVTAQIALQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.008 | t | 135461 | GGLGVS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.02 | 0.019 | t | 20679 | GKRPEGENASYHLAYDKDRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.01 | 0.02 | 0.02 | t | 74004 | YGGIPGGISTPITQQSEK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.017 | 0.011 | t | 106131 | TAIPSCPEGTVP LYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.037 | -0.027 | -0.017 | t | 118151 | SRFSWGA E | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.002 | 0.01 | 0.011 | t | 78394 | GEAVTVTITDDNEEPIAPY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 105541 | TGN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.017 | 0.018 | t | 60658 | SRFPNATDKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.007 | -0.01 | t | 106327 | DDDKLEQIRRDYTSGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.013 | -0.011 | -0.008 | t | 70039 | VMYASSGIGP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.03 | 0.017 | 0.018 | t | 66759 | TTPDRQAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 117118 | YPLHLNTDYSTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.017 | 0.02 | t | 65798 | TPVIGSQA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.027 | -0.031 | t | 75885 | YRSWLM KAHGLELG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 35529 | LEIVPNSAE E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.006 | -0.012 | t | 107799 | DSGHRGY SGSQASD NEGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | 0.002 | -0.016 | -0.017 | -0.018 | t | 114914 | PGFGYGG | Rattus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.027 | -0.021 | t | 115630 | NFDKLYIW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.021 | t | 115118 | TVGLVFLC LQYRLRGK LRAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135765 | TILDNITQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119619 | NNYKTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115423 | PPKKNQD KTEIPTINTI ASG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 101441 | YTGQVEK NTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 77790 | NKVSARG CTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151064 | TPKGAINT SLPFQNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142202 | KISEASRK GLRRDLDA SREA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142202 | KISEASRK GLRRDLDA SREA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151075 | YNAELLVL LENERTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142202 | KISEASRK GLRRDLDA SREA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115600 | DHSYQEEA AMEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115600 | DHSYQEEA AMEL | Homo sapiens |

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|---|------|---|---|-------|-------|-------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110603 | GLPGARGL TGRPGDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114900 | NAVVESN GTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103361 | LLDIYRKLR PGEPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50916 | QGMQLAE QFKQKAR GLLQTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 124276 | HPLAPPH S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 66108 | TRTNPWP ALAEFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 73385 | YALADASL KMADPNR FRGKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 73385 | YALADASL KMADPNR FRGKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 59389 | SLPITVYYA V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 49015 | PQIPPNW HIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 49015 | PQIPPNW HIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 5109 | ATPYHPPA TP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 30474 | KEKLQKTY SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 30474 | KEKLQKTY SQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.013 | t | 52868 | QWYDDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149497 | TIFDETKSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 128693 | GDSMDRIEKDRLQGMMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 7063 | CSQHLPYIEQGMQLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.075 | 0.06 | 0.058 | t | 104151 | NKAPESSEEM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 149449 | QYSQPQQPIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | 0.004 | -0.01 | -0.012 | t | 132850 | KLDLYLSYPQPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.018 | -0.019 | -0.02 | t | 96409 | INDMPITNDQKKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.081 | -0.077 | -0.078 | t | 106876 | STLFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.02 | 0.02 | 0.02 | t | 123640 | PVRLLELYL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.006 | -0.011 | -0.01 | t | 62091 | SVDWTKATVDGVQVKT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.03 | 0.021 | 0.02 | t | 21919 | GQNCGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 122924 | TQPRREK | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 63217 | TDQMEVD SGPRKRPL RGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 50977 | QGVPESPF SRTGEGLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 19269 | GEGAPPA KRARTDQ ME | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 29852 | KALENKKK QLSAGGK NLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.01 | t | 60991 | SSFFSYGEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.006 | -0.013 | -0.012 | t | 158326 | SYEGQGR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.009 | 0.01 | t | 44865 | NLSDAHKK NLYDHAL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.009 | 0.01 | t | 44865 | NLSDAHKK NLYDHAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.018 | t | 145369 | MWCKIGH DRCEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.012 | 0 | -0.001 | t | 78357 | DFPAGYLN DSTLFPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144042 | QEPLMGT VPIRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127724 | LNTTLKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115896 | PPKKNQD KTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114917 | PMNCSSY ANT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102094 | STSPWVQ WQPMR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6074 | CCRHKQK DVGDKQ TLPPS | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149086 | NPTQRPD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149130 | YALHSTP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121683 | NVSLLLVA RPKYLLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121683 | NVSLLLVA RPKYLLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 124279 | HPLASSLH A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110615 | GPRGPPG PQGATGP L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78197 | LNPWDQV KRNAVPI PTLNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.007 | -0.01 | t | 70816 | VRRRGDS RGSLLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.01 | t | 19895 | GGKFLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115883 | PFPGPIPN SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.024 | -0.02 | -0.02 | t | 93874 | SFDADTIRI AQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 125052 | FSLRLMEE NW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 136236 | FQEQQNE GHGEALLF EGIKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 149315 | FLPQQPYP QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | -0.001 | 0 | t | 56885 | SALTSAIA GFVFSC | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | -0.001 | 0 | t | 56885 | SALTSAIA GFVFSC | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.036 | -0.033 | -0.031 | t | 38208 | LNENLLRF FVAPFPQV FGKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.022 | t | 22134 | GRLITVNPI VT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 43703 | NENLLRFF VA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.013 | 0.01 | t | 41066 | MAKTIAYD EEARRGL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.013 | -0.009 | t | 142291 | SHLQIYNL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.01 | t | 97442 | LFGVKGTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.072 | t | 122746 | EEQEDEIIG FGQELKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 39324 | LSEALRIIA GTLEVHGV KPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 39324 | LSEALRIIA GTLEVHGV KPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 39324 | LSEALRIIA GTLEVHGV KPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 39324 | LSEALRIIA GTLEVHGV KPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 39324 | LSEALRIIA GTLEVHGV KPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0 | t | 39324 | LSEALRIIA GTLEVHGV KPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.021 | 0.022 | t | 89062 | SRSESSVE NFLCRSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.019 | 0.021 | t | 125403 | ETTKLQRF QAML | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 10800 | DWEDRY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.009 | t | 65409 | TNRNPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.06 | 0.053 | 0.06 | t | 134795 | SFGAYGA QEEAQC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.009 | 0.01 | t | 60763 | SRPLNDLV SQKTTQLS DITS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.017 | -0.01 | t | 110863 | GLKAKPKF TLGKRKAT PTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114192 | AEYWNSQ PEILERTRA E | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114192 | AEYWNSQ PEILERTRA E | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.024 | -0.021 | -0.019 | t | 38983 | LQSARRGE KE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.006 | 0 | t | 115769 | GRASDYKS AH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 158613 | SQSVAAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 78513 | SEELLVESS AIRSRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.047 | -0.05 | t | 74871 | YLPVGGLR RIGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 144666 | GREGYPA DGGKGSS GYCA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 148759 | QEQVPLV QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 158584 | APPHQMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124283 | HPLLPGTAS | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 124280 | HPLASSVS A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103501 | PVAGQVW EATATVNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114749 | ATDKEGK DVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110604 | GLTGRPG DAGPQGK V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115925 | QQTEDEL QDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 150978 | EKNVTVTH SVNLLED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156911 | LGMSTNP GPRIL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144669 | GREGYP DGGTECTL KKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113469 | GQHGQQP GQGQQG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115657 | TLRIRNVR FSDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115657 | TLRIRNVR FSDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111944 | WAPYMT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 18759 | GASAQSG ASAQSGAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 2976 | ALVNNSHT MPLW | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 92470 | DLTFEKVK HN | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 114837 | GKVMVLC NRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.013 | 0.01 | t | 131344 | AIGDRSKT DRENSVSI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 105506 | SAENEL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117107 | VQTDGST KSHRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117107 | VQTDGST KSHRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.001 | t | 123836 | VTEIPTDLP RN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | -0.002 | t | 34806 | LAHLTTTH ARHLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 149440 | QQQQQPL SQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.017 | 0.022 | t | 95332 | EALEKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.013 | 0.02 | t | 128148 | WTLGPYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 103496 | PRGYPGQ V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.027 | -0.02 | t | 122642 | VTVQHKKL RTPLNYI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.003 | t | 57102 | SCISAACFC I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.03 | -0.03 | t | 26240 | IGHPLPLRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.051 | 0.047 | 0.048 | t | 106858 | SNCHTHE GGQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.04 | t | 132848 | KKEDFDIY DEDENQS PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 153396 | HSFEPWS ARDMLGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 34245 | KVVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.053 | 0.039 | 0.041 | t | 138862 | KFPED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 112726 | YFPTPSGS MVTSDAQ IFNKP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.031 | -0.03 | t | 10076 | DRYYREN MYRYPNQ V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 45053 | NNCTRVEI AEYRRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.021 | 0.022 | t | 22396 | GSKTLAGP KGPIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.012 | t | 7376 | CYGLTTLF DPGPRQQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.012 | t | 7376 | CYGLTTLF DPGPRQQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.012 | t | 7376 | CYGLTTLF DPGPRQQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 153380 | ETELTIAAL KYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149113 | STPNVTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 5368 | AVIEPIVAT NWQKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 5368 | AVIEPIVAT NWQKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153252 | DHQLDPA FRANTAN P | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144669 | GREGYPADGGTECTL KKG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101918 | NENNGGCDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102337 | CNGETKYFRCEEKNG NTSWN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115311 | KHQGLPQEVLNENLL RFFVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 5334 | AVFVTSEMPQLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 130456 | CRPQVNNPKEWSCA AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 128095 | RQKPANVLNDAQTKL LAVSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123728 | SDFLGDRHY | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99393 | KPNTLVLPKHADADN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79467 | YCGELAAHKTFMCN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 41341 | MEECSQARPYIEQAQ VIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 47194 | PDREVLRYEFDEMEEC SQHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 149068 | LNLQTSR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.033 | -0.04 | t | 67299 | TWVAGVIFYGGSKTS LYNLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.052 | t | 135475 | KRPKPGGW | Mus musculus |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|----------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 47850 | PHSALALL EDTMDYP ARA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 51827 | QPFPQPQ LPYPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.033 | 0.032 | t | 29855 | KALGLLQT A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 48331 | PLGFFPDH QLDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 52191 | QRCDLDV ESGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.025 | 0.03 | 0.03 | t | 20769 | GLAQALID QKVKEI | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 157917 | RTVKKNIE EN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 148880 | QQQQQQ QQLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 157147 | CSRTVKKN IIEEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 105164 | EFRHDSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 106442 | GDLKRTTG GGC | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 106597 | LDLKRTTT THTSGGG C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 66312 | TSLNLQKD EPNGRAS DTAGQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 75691 | YRYNIYSEK EKSINIDF N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 75691 | YRYNIYSEK EKSINIDF N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 74849 | YLNSSLYR GTKFIKKY AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 73893 | YFSIFNTEL SQSNIEER YK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 64843 | TLIDINGKT KSVFFEYNI R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 73893 | YFSIFNTEL SQSNIEER YK | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|---|---|-------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 74737 | YLGPRGS VMTTNIYL NSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 64525 | TKAIINYQY NQYTEEEK NN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 73763 | YESNHLIDL SRYASKINI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 74279 | YIKNIINTSI LNLRYESN H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 43826 | NFENAFEI AGASILFE IP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 45598 | NQNSKYIN YRDLYIGE KFI | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|---|---|-------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 43525 | NDRVYINV VVKNKEYR LAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 37638 | LLNYIDEN KLYLIGSAE YE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 53998 | RGTIGQV DRLKDKV NNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 58886 | SKLNEINK AMININKF LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 45124 | NNIILNLRY KDNNLIDL SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 45598 | NQNSKYIN YRDLYIGE KFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 56657 | RYSRNAV NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 45824 | NSGILKDF WGDYLQY DKPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 44468 | NKCKMNL QDNNGN DIGFIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 53998 | RGTLIGQV DRLKDKV NNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 58886 | SKLNEKINK AMININKF LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 57988 | SGAVILLEF IPEIAIPVL G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 52274 | QRVVFKEYS QMINISDY INR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 53998 | RGTLIGQV DRLKDKV NNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 11870 | EERYKIQSY SEYLKDFW GN | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 32595 | KNQIQLFN LESSKIEVIL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 26132 | IFNSVFLDF SVSFWIRIP K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 33198 | KRNEKWD EVYKYIVT NWL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 28322 | IRIPKYKND GIQNYIHN EY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 27308 | ILSALEIPD VGNLSQV VVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 31365 | KINIGSKV NFPIDKN QIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|---|---|-------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 28322 | IRIPKYKND GIQNYIHNE Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 34612 | KYTMFHYL RAQFEH GKSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 22949 | GVELNDK NQFKLTSS ANSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 11800 | EENISLDLI QQYYLTFF D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 34622 | KYVDVNN VGIRGYM YLKGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 11800 | EENISLDLI QQYYLTFF D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 14730 | EVILKNAIV YNSMYEN FST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 27724 | INQAIDNI NNFINGCS VSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 34621 | KYVDNQR LLSTFTEYI KNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 13471 | ENFSTSF WIRIPKYFNSI S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 13471 | ENFSTSF WIRIPKYFNSI S | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|---|---|-------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 13471 | ENFSTSFW IRIPKYFNSI S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 8265 | DFFNLNQE WRVYTYK YFKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 2806 | ALNYQAQ ALEEIIKYR YNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 9863 | DQKPISNL GNIHASN NIMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 4528 | ASLKDALL KYIYDNRG TLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 6650 | CMENNSG WKVSLNY GEIIW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 7097 | CSVSYLMK KMIPLAVE KLL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.001 | 0 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 7097 | CSVSYLMK KMIPLAVE KLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117747 | AMKISFAK K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.048 | t | 135454 | DYEDRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.033 | t | 35922 | LFNLGPQ QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.01 | t | 54848 | RMADAVS RKKMDTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.017 | -0.01 | t | 119546 | WTAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.005 | -0.01 | -0.01 | t | 123668 | QLKEGYLK D | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.003 | 0.01 | 0.01 | t | 44917 | NLVLNRDV SFQDL | Mus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.013 | -0.012 | t | 28850 | ITDELDQT FSELSGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98968 | QQNPQA QGSVQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79210 | FCLPTREST GRACP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78232 | PHSNKSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.016 | 0.01 | 0.01 | t | 40889 | LYPANNTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153342 | ACRDHFST HCGGGS | Mus musculu s |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135361 | VLSKDNK KITSSKK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 98319 | PAVVGKP GSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111154 | CMKNMK QPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 98319 | PAVVGKP GSD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78309 | WHTLLAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 51669 | QNAPQAQ NAPQAQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 34752 | LAEQFKQK ALGLLQTA TRQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 123107 | EALPKIKAY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.01 | t | 48663 | PNKPNND FHFEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.01 | t | 48663 | PNKPNND FHFEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 32878 | KPSKPKTN MKHMAG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.02 | 0.021 | t | 122512 | PEPAKSAP APKKGSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.008 | 0.01 | t | 151076 | YPGDFIDY EELREQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.003 | 0.003 | 0.01 | t | 131016 | QESLDMN SARDF | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 21815 | GPVEDAIT AAIGRVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.003 | 0.012 | 0.013 | t | 157447 | KDVTKEEY AAFYKA | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.008 | 0.003 | 0.002 | t | 43323 | NATHAAF EYSKSIGGT PALD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.003 | 0.009 | 0.01 | t | 79039 | PGNAPGIA GYNSNGC VYSES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.018 | -0.01 | -0.01 | t | 110841 | EVTPAIKSE VSL | Macaca |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.018 | -0.01 | -0.01 | t | 110841 | EVTPAIKSE VSL | Macaca |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.011 | 0.018 | t | 130816 | ESKAISDA QITASSYFT NM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.02 | t | 69839 | VLVNANN SSSSHQSI YN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.003 | -0.01 | t | 128147 | WTGSWD ASKPRASC WQPGTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 44915 | NLVILPGQ DLQYVLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 144777 | SGTHMNL YLHDTAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.009 | -0.023 | -0.022 | t | 111348 | GLFYPNKQ P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.032 | 0.03 | 0.03 | t | 53814 | RGADCNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.031 | 0.03 | t | 46379 | NVFQTQA GCLIGAEH VD | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135462 | GGVPGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133957 | WIRANF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103244 | GVPSRLGY LLDLAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 102158 | TSTWLQW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110610 | GPKGAPG ERGPSGLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97699 | TNAGKAT AL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 142307 | TLHEYMLD LQPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 137514 | AIPAGVAH WCYNEGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140254 | KYEHGGNI ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151044 | PRYAFAM ERNAGSGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 41335 | MEECSKA RPYIEQAQ VIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 47181 | PDREVLQY AFDEMEE CASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.05 | 0.051 | t | 130485 | EVVTGSPR GDSQSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.033 | t | 110975 | QIFNKPY WLQRAQG H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.013 | t | 144705 | KGTHSLYS QIAG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.033 | -0.03 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.021 | -0.02 | t | 51297 | QLCQLLGA MI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 136120 | AFFPNMV NMLVLGK HLGIPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.019 | t | 56993 | SASLPYMD ETRAIAGQ FKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.02 | -0.02 | t | 70682 | VQYNLSHS YAGDA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.051 | 0.05 | 0.05 | t | 9276 | DLSKLSKD VVQYEQEI ESLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 69898 | VLYREF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 38648 | LPQGTTLP KG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156918 | MAITDHP GSAMV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.007 | 0.009 | t | 95093 | HQQGGW STLIEDNIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.024 | 0.02 | t | 67405 | TYNWGEN ETDVFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.069 | -0.065 | -0.07 | -0.072 | t | 55232 | RPMIHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 70817 | VRRRVNA ANKKPEDL TLNDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151652 | HWWRAE SDEARRCY NDPKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 124281 | HPLATGPH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127981 | FRRAVLM GGSALSPA AVISH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103530 | QSGGNNS PAVYLLDG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 46826 | PAIIPDREV LHREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 4454 | ASHLPYIE QGMQLAE QLKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 108280 | APRRLFDI A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 118970 | PPPGRRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.022 | 0.02 | 0.022 | t | 23308 | GYAMNW SDS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0.002 | t | 49078 | PQQPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.011 | -0.01 | t | 70682 | VQYNLSHS YAGDA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.004 | -0.011 | -0.01 | t | 70682 | VQYNLSHS YAGDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.048 | 0.05 | 0.05 | t | 100126 | HVGLGTAF ENSIYDQE YN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.013 | 0.01 | t | 48072 | PKGRTVII E Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 149410 | PLVQEQQ FQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.021 | t | 66749 | TTPAQGN SMFPSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.026 | -0.028 | t | 118565 | QALGITTKI SRGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.047 | 0.051 | 0.052 | t | 150980 | ETPSSDNG TCYPGDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.075 | 0.073 | 0.07 | t | 114207 | FLGELTSSE VATEV | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97391 | IAEAMRKV KKEGVIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.003 | -0.012 | t | 30302 | KEALISLT RGKLYTQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108049 | NPVEIRRG VMLAVDA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 135834 | CEFRDGA GSICG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.009 | t | 144678 | GTQPTLEV VPMGRGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.004 | 0.003 | -0.001 | t | 3076 | AMDPIYDE PTTTTSVPL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.004 | 0.015 | 0.01 | 0.012 | t | 21991 | GRAINRRVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140489 | MSQDGHT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140489 | MSQDGHT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115459 | QTEDELQ DKIHPFAQ TQSLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142168 | GPAGQAE PDRAH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137884 | GQSRDVLL AGNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115213 | DVPSERYL GYLEQLLR LKKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 113008 | GRILDWH VANTDKKS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 22125 | GRLHLINQ RAVVAPD KEVLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115204 | DEALEKFD KALKALPM HIRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | 0 | t | 51306 | QLDPAFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128989 | IRRSILPYG DSMDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.007 | 0.01 | t | 4052 | AQRAIDSQ NMTKAAQ SLNSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.019 | -0.02 | t | 35235 | LDNIKGNV GKMEDYIK KNNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.064 | -0.063 | -0.062 | t | 10045 | DRRRGRG SRGRGNGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.001 | -0.001 | 0 | t | 9524 | DNPASTT NKDK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | -0.001 | 0 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.002 | 0.007 | 0.01 | t | 19585 | GFMKQYG ECLGDINA RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.007 | 0.01 | t | 13763 | EPSEGQTA DWY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153458 | SELSPAML HFMFGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.017 | -0.018 | t | 142448 | NKYRGTA GNALMDG ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.017 | -0.018 | t | 142447 | NKYRGTA GNALMDG ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 108050 | NRDNTYN RVSEDLRS RI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.033 | 0.03 | t | 84989 | LASSAPST AVAQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79445 | VCAKGPP QLPRCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.011 | -0.009 | t | 46984 | PAVARDD AEGLS DPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.003 | 0 | t | 122269 | ARQNLKD AGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.012 | -0.01 | -0.01 | t | 66194 | TSFEDINGI RRPKH | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.029 | 0.032 | t | 141764 | TLNFNAEG EPELLMLA NWR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 134769 | QIFNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.027 | 0.03 | 0.032 | t | 70212 | VNVGDHC EGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.017 | 0.02 | t | 95682 | PQYLQYLY QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153824 | EKEYKSIT DELDQTFS E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.023 | -0.02 | t | 95560 | LNFLKKISQ R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.017 | -0.018 | t | 35756 | LEWRNTS GLYVLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149125 | TTL DANQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141542 | GRKSFHKL DGSF | Rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135854 | IQQSIERL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156427 | QQGRQQ QQQQQG QQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 77923 | ISPTQLYA QVRA | Mus musculu s |

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|---|------|---|---|-------|-------|-------|-------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144661 | GREGYPADGGCAWPACYC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 146901 | ETHGGEDVAVFAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108507 | KSDKARYDREMKNYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 98973 | QSLACQCLVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 82527 | GAATPYAGEPARPPE TLGEE | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 92714 | FNDAFNGGDG | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 44816 | NLNFEMYGAVYSVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47180 | PDREVLHREFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7108 | CTARVAGLFNPGSQQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 116808 | QFRHDWY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.031 | t | 125414 | FSEEKLVFS LRLMEEN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.011 | t | 159048 | PKARELTD AETKAFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.02 | t | 19264 | GEFMFDFDGDEIF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 33142 | KRGPDSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 55900 | RSMANEGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 118127 | SDDDMGFGLFD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.029 | 0.032 | t | 130608 | SIDLKDKYK NIGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 135441 | AGLGAGIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.009 | t | 103172 | FHDHKTA NQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.013 | -0.019 | t | 108510 | KTMSAKEK SKFEDMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | -0.002 | 0.003 | t | 110828 | EIDGPAGQ AEPDRAH YNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.035 | 0.03 | 0.031 | t | 78630 | DYGEILTEK VEDLYKGV LL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 100389 | PNTLVLPK HADADNIL VIQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.026 | -0.01 | -0.004 | t | 31067 | KGTAPEFGV AFGNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.026 | -0.01 | -0.004 | t | 31067 | KGTAPEFGV AFGNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.041 | -0.029 | -0.028 | t | 111921 | VRYKCGK NRETIEKLL SKLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 132504 | NNAIEPRS FSQNPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 131457 | GSHTRGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 131628 | RGYDSYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 105021 | VHHQKLV FFAEDVGS NK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.001 | t | 109406 | KIQPSEPR DSAVYFCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | -0.001 | t | 3274 | ANETIYNT TLKYGDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.021 | -0.019 | t | 24590 | HQLDPAF GAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.021 | -0.019 | t | 24590 | HQLDPAF GAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.01 | t | 72484 | WGNGCGL FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.008 | t | 135495 | RITLYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.012 | 0.007 | 0.01 | t | 95544 | LCSTFCKE VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136322 | GLFTPKS PAKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113780 | QQPGQG QQGQQP GQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113781 | QQPGQG QQPGQG QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151068 | VGSSRYSK KFKPEIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132803 | ETMGREP QVAWTVI V | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133958 | WIRLNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 24006 | HHPITDSD QTRLY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140598 | SLISDEWPRW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 149099 | RVLTSMD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 103344 | LEAAGDKKIGVIKVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 95501 | KKISQRYQKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.021 | t | 122083 | DPNIKLVLLDCWATS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | -0.002 | t | 11561 | EEDQKAREA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.023 | 0.031 | 0.03 | t | 106880 | SVLTQPPSVSGAPGQRT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.01 | t | 48401 | PLLPIF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 52330 | QSGRQPTPISP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 140896 | QRYNTVYFGFDKYDITGEYV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.013 | -0.02 | -0.021 | t | 132802 | ESTLHLVLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.01 | t | 106552 | IYRKYFGNRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.023 | -0.023 | t | 107034 | YTTRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.021 | 0.022 | t | 31707 | KKTDEAQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 116937 | DDHSTRCWVS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.072 | 0.07 | 0.07 | t | 69324 | VKTKNTTT TQTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.04 | t | 66216 | TSGFTGLF SSGAKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.02 | 0.018 | t | 38627 | LPPSRDEL | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 128066 | NSYDVLSA LSGNLKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.001 | t | 119672 | WNPADYG GIKKIRLPS DD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.007 | 0.01 | t | 134335 | CTKPSDGN CT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151665 | KIETELRDI CNDVLSLL EKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.035 | 0.04 | 0.042 | t | 94038 | TIYGNDGN DR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 8226 | DEYSNQN NFVHDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 8226 | DEYSNQN NFVHDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156872 | FSKSSSWE SWLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.023 | -0.021 | -0.021 | t | 10779 | DVVRDLPS GFNTLKPI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.013 | -0.01 | t | 130606 | SCTVYGKT PLCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.011 | 0.01 | 0.01 | t | 19866 | GGGWGQ GGGTHNQ WNK | Gallus gallus |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.011 | 0.01 | 0.01 | t | 19866 | GGGWGQ GGGTHNQ WNK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.021 | t | 112783 | GSLPQKSH GRTQDEN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0 | t | 27987 | IPPTTTPVP PGYLI | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 142225 | LNDSSEEE DEID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 122020 | VVDPHGP PNYINIPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 122020 | VVDPHGP PNYINIPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 126242 | HYQRLSES RSLREA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121369 | HDDPQRF ADAQVFP F | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114286 | CSIKTHSW C | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112104 | FCHQYLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 77793 | PKSKLSVK KC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 93898 | SKKEKVTI QN | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50107 | PYIEQGM QLAEQFK QKARGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 127719 | KWSFTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111097 | AGTMGDT VPQSLYIK GTGMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78884 | VVCMYLY QLSPPIW PLLPH | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 46443 | NVPEKQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 46443 | NVPEKQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 46443 | NVPEKQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 7171 | CTKPTDGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 7171 | CTKPTDGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.004 | 0.013 | 0.01 | 0.008 | t | 75426 | YPVEYDNC AYICWNY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.039 | -0.038 | t | 5674 | AWLVHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 36760 | LIVTQTMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.019 | -0.017 | -0.02 | t | 125413 | FRVTCKDI QRIPSLPPS TQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 140460 | EKLKHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0.007 | 0 | 0 | t | 146795 | CCELCCNP QCAGCY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.031 | t | 133676 | RIYMRMK HVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 36426 | LHSTSPEG NPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | -0.003 | 0 | t | 29965 | KATYEAAV AANNAKNAALT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.029 | t | 69898 | VLYREF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.013 | 0.01 | t | 79574 | IMNYTGN QQSRWGL GSPNCH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.001 | t | 51146 | QIVGGVYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.017 | t | 141693 | KTWG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 135566 | KCSRLYTA CVY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 135566 | KCSRLYTA CVY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.017 | -0.013 | t | 115652 | SSRISYWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.001 | 0 | 0.002 | t | 44268 | NIKPLEDKI L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | -0.001 | t | 140053 | MEDDYNL KDMFSRA VTM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 62141 | SVGHMTG RFTSLFSV G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 98798 | GGFGPGG FGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 24941 | HTLTTGGH AARLTSGF AGLF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 119646 | SNGQPEN N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 116809 | QFRSDST | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.001 | 0 | t | 156371 | LRKVGDSV KAASKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149123 | TNPTQMA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 119511 | QKRAKGLS A | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114882 | LAAVSVDC SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105895 | KDLESIKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115199 | DAPSFSDI PNPIGSEN SEKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 53009 | QYNLAFSD RQSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78310 | WHTSYLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114758 | CNRAFNP VCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79360 | RCPYYTRH PSMRCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 72255 | WAQPGYP W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.02 | t | 72940 | WPKD TDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.009 | -0.01 | t | 39883 | LTERLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.039 | -0.032 | -0.03 | t | 135980 | QSRRRGD MSTLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 104298 | TEATAIRP AQVGYNT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111140 | CAEPNNLL C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 79368 | RGDLARG DLARGDL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.031 | -0.03 | -0.029 | t | 94513 | FHPDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.017 | -0.018 | t | 98788 | GDAPAGG AVP | Mus musculu s |

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|---|------|---|---|------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 6697 | CNIGGLGN NTLICPTD CFRK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.017 | 0.011 | t | 135471 | KDKATFGC HDGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.028 | 0.02 | 0.02 | t | 24973 | HTSLGHED T | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.012 | 0.013 | 0.01 | t | 34135 | KVNFPHG MLDLEEIA ANSKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.028 | t | 10168 | DSLPHQ QATDDSG H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104202 | QHGHLLTS SQELERYT FNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.031 | t | 117605 | PNHPSSSG SFSDADLA D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134119 | KMVYEDT LTLFPFSGE TVFM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134119 | KMVYEDT LTLFPFSGE TVFM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137447 | SHKIHPFQ TTPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.003 | -0.001 | -0.001 | t | 10779 | DVVRDLPS GFNTLKPI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.019 | t | 122730 | DPAQPPR D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.022 | t | 60592 | SQWGWG GSTDEYCS PDHNCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.011 | t | 96367 | HSNLDHI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 132276 | ERIYHFV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.013 | -0.018 | t | 110854 | FFSARGHR PLDKKREE AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.011 | -0.01 | -0.01 | t | 30200 | KDLLEQKR AAVDTYC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79542 | EQTINQW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121735 | QCCLAIPH TENSHPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121735 | QCCLAIPH TENSHPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 127737 | MHETTKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 98455 | SGSVQFVP IQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115789 | IHPFAQTQ SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 93030 | ITDSDGND KL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 23314 | GYCGREC GIKKGSSG | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 23314 | GYCGREC GIKKGSSG | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 138196 | KLTSLLRC NCPPLRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132931 | WGQNIKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112102 | EWLAHIW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114965 | TSLEDGKV MVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79508 | AHKSTLR | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 92782 | GDDILDGG NG | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119547 | YKKGARPI Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 95120 | MPKWTRV ILLNWCA WFLRMK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0 | t | 7146 | CTGFSNLF NLGSQQK V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.031 | t | 133705 | SSKTRSG VHLVGPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 47219 | PDVPYVKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.03 | t | 98797 | GGFGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.02 | 0.021 | t | 48093 | PKKPNENK LKQPNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.012 | t | 73636 | YEDRYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0.003 | 0.002 | t | 19499 | GFASKTPA NQAIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.038 | -0.03 | -0.03 | -0.031 | t | 32145 | KLRRSTN WG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 135839 | DYMGNIQ DFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 135839 | DYMGNIQ DFDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 149433 | QPLSQVSF QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 136593 | RHYKQYQ FHF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 116979 | FQTD MST RPRGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 29816 | KAHDLSTA SRPHVVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 133655 | NIAHPDR WDRLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.025 | -0.04 | -0.042 | t | 79009 | KTWCD A WCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.042 | -0.04 | -0.041 | t | 125510 | NPCFPIQL PEEARPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.04 | -0.04 | -0.04 | t | 123589 | PKLKEFKS R | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.006 | t | 10812 | DWICEVLS DFKTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.011 | t | 120343 | YNLKWNP DDYGGVK KIHI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.01 | 0.011 | t | 120343 | YNLKWNP DDYGGVK KIHI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.013 | -0.003 | -0.01 | t | 119566 | ENNYKTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.016 | 0.019 | 0.018 | t | 14227 | ESPANNP GLSTVRDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.011 | t | 48555 | PMHECLS APSVCAD NY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.011 | 0.01 | t | 47478 | PFAEC SNP TRLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.026 | -0.02 | -0.02 | t | 32887 | KPSTLYKM TVEAVK | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.023 | -0.03 | t | 135983 | RLRPPEPR PRDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.006 | 0.01 | t | 72294 | WDEEDGEK RIPLDVAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.029 | -0.03 | t | 24875 | HSVWKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.029 | -0.03 | t | 24875 | HSVWKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 96141 | CGLRAPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 122721 | CSNSSSSQ FQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.023 | -0.05 | -0.057 | t | 61833 | STPPVPPP SVSRRKP | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.055 | -0.047 | -0.05 | t | 78122 | DNFPCSKL TNRTIGNQ WN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.003 | 0 | t | 47821 | PHGPADA PPGSPAPP PPEHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.03 | t | 50030 | PWHLGKL EM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.027 | 0.03 | t | 95997 | WCGSTDE YCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 51827 | QPFPPQPQ LPYPQPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.034 | 0.03 | t | 53963 | RGRGRGE KRPRSPSS QSSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 109929 | SLSLSPG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 93476 | NDKLSFSD SN | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135442 | AGLGGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149083 | NPTQGSP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141669 | HNHGSISA LMHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123578 | PGLAPGQI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 93930 | SNDSRNVL VA | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115476 | SAEERLHS MKEGIHA QQKEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 70395 | VPNLRGD RHALA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 135801 | YNAAINKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.028 | -0.02 | -0.022 | t | 141056 | MSDGA VQ PDGGQPA VRNER | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.011 | -0.017 | -0.02 | t | 53768 | RFRGKDLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.002 | t | 141539 | FSPAYLRD AALK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 135991 | SEKKISSIQ SIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 136823 | ASIILEFFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.007 | 0.001 | t | 96503 | KSGTIFDN FL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.021 | -0.019 | t | 31663 | KKPNRNG GG | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.033 | t | 115325 | KPVALINN QFLPYPPY AKPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.01 | 0.01 | t | 12498 | EIKYNGEE YL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.021 | 0.02 | t | 5249 | AVAEAEG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.017 | -0.02 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.072 | -0.07 | -0.07 | t | 65536 | TPDPRIGF | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.069 | -0.072 | -0.07 | -0.07 | t | 65536 | TPDPRIGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.04 | t | 115036 | AVLPVLLL QITVGLVF LCLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 58418 | SHSSESHR VKSAGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0 | t | 49910 | PVLTTASP LSSIFSRIG DP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.019 | 0.03 | 0.03 | 0.03 | t | 106494 | GYENPTYK FFEQMQRN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 114901 | NCSSYANT TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 13974 | EREDERTL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|-------|-------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140547 | CSIGEALS HGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 139180 | NLNKTLVD LDWLNRIE TYVK | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140584 | PWHQMA ATS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140547 | CSIGEALS HGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140584 | PWHQMA ATS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133960 | WIVNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 104123 | MNKTFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 60678 | SRGNHVS PRHYVPES EPAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78136 | EEPKHETK ETE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79410 | TCKELQW LPLRLCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41736 | MIKVGHP TGAFMSP RWKSH | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 52023 | QQFHQQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137554 | QDRHQKI RRFRRGDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 116016 | VLGPVRGP FP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115982 | SRYPYGL NY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.001 | -0.01 | -0.01 | -0.012 | t | 156861 | DSQKPCKC HCTMTQ | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 63037 | TAVSPTTL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.048 | -0.039 | -0.04 | t | 146178 | AYAPPGA QPPTSRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119382 | VISCAKDAI EDEEGSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117059 | PQTDGSTR PRGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117059 | PQTDGSTR PRGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.045 | -0.039 | -0.04 | t | 140577 | LVDYPYRL WHYPCTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | 0 | 0.003 | 0.001 | t | 134202 | QKLSVPDG FKVSNSAR GW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.011 | -0.003 | -0.006 | t | 70792 | VRNSWDT NWGDNG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.025 | 0.019 | 0.02 | t | 70422 | VPPNTKS MALSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.005 | 0.01 | 0.01 | t | 97171 | ADVVISPN D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.024 | 0.028 | t | 68903 | VIAGMDW AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0.003 | t | 44251 | NIISCNKN DKNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 329 | AANKYKTF VATFGAAS NKAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 122892 | RSILPYGDS MDRIE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.007 | 0 | -0.001 | t | 137416 | HARLRDSG RAYLPFVP PRAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.008 | -0.01 | -0.012 | t | 144789 | SSGYCAW PGGGLPDS VKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.003 | -0.002 | t | 6692 | CNFCNAV VES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.025 | -0.019 | -0.02 | t | 53676 | REWARRN GHNVSTR GRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 115148 | KAVSEKKA KGLGESRK DKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136084 | SPPTPSA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 132123 | WGSSSVG PQALSKSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.014 | -0.019 | -0.022 | t | 54494 | RLCSVSYP EPSLLWTS SCFD | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.02 | t | 30504 | KELLDKTS RTGDEVR ALAND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.016 | 0.019 | 0.018 | t | 47588 | PFVKNQF NYKDPVN GV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 153379 | EQEIFTNIT DRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156948 | QVHTSI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115933 | QWQVLSN TVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 113773 | QQGQQLG QGQQGQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111169 | CQLDSQKI C | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133788 | CRTSPWRC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112972 | FHAIDEYK PQDATTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79640 | SASIRPQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 153287 | RQSGRQP TPLSPPLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115213 | DVPSERYL GYLEQLLR LKKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.025 | 0.013 | 0.01 | 0.01 | t | 45221 | NNRAVPD KIDWRESG YVTE | Rattus rattus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.04 | -0.039 | t | 34912 | LAPRVAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.053 | 0.053 | t | 111041 | TIGRLQDEI QNMKEE MARHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.011 | t | 108107 | RYAFGSQI A | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.019 | -0.019 | t | 86870 | NLFGATLV NA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.01 | -0.013 | -0.021 | -0.019 | t | 66121 | TRVPRR | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.01 | -0.017 | t | 115674 | ADARM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.013 | 0.01 | t | 122198 | TEADVNP KPIPSQMPT SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135504 | VPGVGGL G | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 7533 | DAHHAAD AHHATDA HHA | Oryctolagus cuniculus |

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|---|------|---|---|------|--------|-------|--------|-------|---|--------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 69124 | VITGSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 134418 | KGAIIGLM VGGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 118581 | RDRDRDR E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 125565 | STDDYASF SRAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 125052 | FSLRLMEE NW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 118581 | RDRDRDR E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 108382 | GGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 58388 | SHLVEALY LVCGERG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 25140 | HWSYGLR PG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.023 | 0.017 | 0.018 | t | 31439 | KITCFLTAA GYCNT E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.023 | 0.017 | 0.018 | t | 31439 | KITCFLTAA GYCNT E | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 99921 | DAEFRHDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 69178 | VKAETRLN PDLQPTE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 95524 | KRQIYTDIE MNRLGK | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 78564 | WRRWFY QFPTRA WAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.018 | 0.02 | t | 17589 | FRGETKTF NPEEVSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.051 | 0.052 | t | 23986 | HHFSSDPR PDLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.009 | -0.017 | -0.02 | t | 71203 | VSVPAEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.009 | 0.01 | t | 82657 | GGYEFLLA NDVDNSN PVVQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.003 | 0 | 0 | t | 64049 | THLKASSG YCAWPAC | Equus caballus |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.001 | 0.01 | 0.011 | t | 56557 | RYIWIKYF NLFDKELN EKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116021 | VPQKAVP YPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103021 | AGAGTVA TTPASSPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 114587 | RQEWERQ ERQERESE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140853 | GEYVQILD AHAAYLN ATPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114762 | DCTAEDRP LC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 92799 | GERITSKQ VD | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 51669 | QNAPQAQ NAPQAQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 48969 | PQAQNAP QAQNAP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 25092 | HVSPAHYV PESDAAAR VTAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 109026 | GAPGPAG A | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 101580 | EDSGSSRK K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.027 | 0.03 | t | 96755 | PTAPTKPT YE | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.019 | 0.02 | t | 74053 | YGLTTLFD PGPRQQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 121858 | SKLIKIFQD HPLQKTYN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.003 | -0.001 | t | 99922 | DAEFRHDS GY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.012 | t | 140854 | GFDKYDIT GEYVQILD AHAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.002 | t | 134337 | CYCQDPYV KEAENLKK YFNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.002 | t | 107307 | DAEFGHD SGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 112537 | HLILAPSIR HAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78143 | EKIEKTEEP AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 153419 | LTPPPWQ NPFPFGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.043 | -0.04 | -0.04 | t | 141017 | FTTWSPW SQPLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.029 | 0.029 | 0.03 | t | 54103 | RHVKNYH SRSESTIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 127972 | FDVSFEVK VGGLKQYY RLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.06 | -0.054 | -0.05 | t | 11000 | EAAYSKNR RAVLAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 11813 | EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.002 | t | 34965 | LASLRKAF ADTVPVRP PSNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.002 | t | 28075 | IPSTAFTDI AWVRLPN HY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 28075 | IPSTAFTDI AWVRLPN HY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.038 | -0.03 | -0.03 | t | 43525 | NDRVYINV VVKNKEYR LAT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.038 | -0.03 | -0.03 | t | 43525 | NDRVYINV VVKNKEYR LAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.009 | 0 | 0 | t | 139806 | LLSPVRRD QPLFTFRQ VG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 139806 | LLSPVRRD QPLFTFRQ VG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.02 | 0.031 | 0.03 | t | 6323 | CGNGTPN ELGGANIP AEFLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.007 | t | 1731 | AGYCNTEC TLKKGSS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.019 | 0.019 | 0.02 | t | 50396 | QAYQQGV TVD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 98799 | GGFGPVL DGW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114001 | VPDSDFM DII | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115954 | SEESITRIN K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.003 | 0.001 | t | 134002 | AKLVTILQ AHPLQQS YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149039 | FLHTRLFV SDGINS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148917 | RDVVLQQ HNI | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 148917 | RDVVLQQ HNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134224 | RYYSSFVN MERDLAS GLIGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123616 | PPMTQAP R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123616 | PPMTQAP R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110610 | GPKGAPG ERGPSGLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111437 | IYNALSSA GLQNQIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115463 | QYLYQGPI VLNPWDQ VKRNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149417 | PQQQYPS GQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 136002 | TKQMVQ MRRKLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149417 | PQQQYPS GQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123615 | PPMGRGA P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103038 | ALMSGNF SNGILWR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.013 | 0.01 | t | 6067 | CCNLEPEA RKVISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135783 | VGGEDAK P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 119667 | VNHKPSN T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 114903 | NGTLTSH FG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.007 | 0 | -0.001 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.008 | -0.01 | -0.009 | t | 50873 | QGGRKTT TGTRKPR | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.023 | t | 43976 | NGEYLILS A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 41843 | MKKDDQI AAAIALRG MA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.009 | -0.01 | -0.009 | t | 159024 | NKGAIIGL MVGGVVI A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.003 | 0.001 | t | 72251 | WAPSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.001 | 0.001 | t | 135732 | PCLNGGSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.019 | t | 107866 | GNEITRGG STS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.02 | t | 75527 | YQPGAGW LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.007 | 0.01 | t | 4094 | AQVTLPIR TPNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.03 | t | 127960 | EKVPKGKK GKADAGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.033 | -0.03 | -0.029 | t | 50487 | QDLDAIW RGFYIAGD PALAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.003 | 0 | t | 31894 | KLGVWKS PTDMQS WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 70426 | VPPPRKKR TVVLTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 96171 | DEEDKEED EE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 118131 | SEESDDD MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.068 | t | 129051 | KDRMVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 144093 | THNHQVP LAIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.021 | 0.012 | 0.011 | t | 25113 | HVVDLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.013 | 0.01 | t | 105498 | RHDSGYEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.033 | t | 7673 | DAVTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.006 | 0.01 | 0.009 | t | 48395 | PLLGICGST CAEDGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.03 | -0.03 | -0.03 | t | 431 | AASGDGTI TFTGKVID APCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.031 | -0.029 | -0.03 | t | 147064 | KHQGAQY VWNRTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 9586 | DPAFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.042 | 0.041 | 0.041 | t | 43854 | NFISGIQYL AGLSTLPG NPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.082 | t | 143687 | FRVNLRTL RRYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.029 | t | 139499 | FGEFSFQY DCSSWGC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.049 | -0.05 | t | 152108 | SASGNRAY AVRK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 3516 | APDTRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 107497 | KVSNKAL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149312 | FEEIRNLAL Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114845 | GTDGVTYT ND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112069 | CSFSGFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149058 | HLPNATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110074 | VTPPW TAPKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112623 | PPLELINTV IQDGD MVHTGF | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115823 | KHKEMPF PKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103198 | GDLPTIGT AVSARNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110074 | VTPPW TAPKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79361 | RCQALSRL FREKCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 45768 | NSARARA DSCRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 132115 | VNMW NKNVP NGNSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.06 | -0.05 | -0.051 | -0.052 | t | 134160 | MGGPPM MPMMGP PPPGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.016 | -0.021 | -0.022 | t | 6065 | CCNGIR TINGL ARTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142408 | DQVTKEK KTIKKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.009 | -0.008 | t | 44851 | NLQKDEP NGRA | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 149447 | QVPLVQE QQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.027 | -0.02 | t | 122806 | ITVICPWE AFNHL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.019 | -0.02 | t | 135736 | PRIGGQRE LKKITE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.014 | -0.019 | -0.02 | t | 44095 | NGTYRATY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.009 | t | 36612 | LILNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 118445 | KCEFQDAY VLLSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.031 | t | 75829 | YSNIGVCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 144672 | GREGYPA DGGYCYG LPDS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.02 | t | 109733 | PSRDELT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.011 | -0.01 | -0.009 | t | 60595 | SQWNKPS KPKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.011 | -0.01 | -0.009 | t | 60595 | SQWNKPS KPKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 39393 | LSGRPAIIP DREVLHRE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.011 | -0.017 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.02 | -0.018 | t | 39219 | LRTAPGPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.029 | t | 117345 | PRRRSRKP EAPRRRS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.02 | -0.02 | -0.018 | t | 9756 | DPRVRGLY FPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.02 | -0.02 | -0.018 | t | 9756 | DPRVRGLY FPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.024 | -0.021 | t | 122477 | LSLSLDLLT FRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.021 | -0.01 | -0.01 | -0.009 | t | 134170 | MVRHENR CVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 119670 | WESNGQP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.019 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 145737 | DARAYDTE V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112845 | SWYARHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79363 | RCSCRPPS EATTCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95403 | GDVTFTEV GYTR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 31350 | KIMSKWG NTFNINAY NMSNF | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140588 | PWSRFSL S E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 150500 | PNNMMG TFSVRTVG T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 131412 | ERGLRYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 131412 | ERGLRYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 131412 | ERGLRYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107534 | NWYVDGV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115449 | QPIRCEKD ERFFSDKIA KYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 97294 | EVNDVRKF F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.02 | 0.021 | t | 94646 | PPKVPPDL MS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.009 | 0.016 | 0.02 | 0.022 | t | 147083 | LCSEYRNT QIYTIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.032 | t | 95579 | LVLDTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78853 | TKDTNNN LCGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.01 | t | 43818 | NFDFGLLG TTLNLDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 40076 | LTPCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.03 | t | 6361 | CGVVNNK VAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158292 | SQQLLGQ RLYGLWK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.021 | -0.02 | t | 68587 | VFTLSAHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 78533 | TLLTLCPAT CILPLGEPF S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 135482 | LMDRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.013 | -0.011 | t | 99286 | GLIFPGCP RHYEEPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.021 | -0.03 | t | 119456 | GGTTTPRT T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.004 | -0.009 | t | 30332 | KEDTSFGG NLGRAVF QAKKR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.037 | 0.03 | 0.028 | t | 99935 | DFSQTATL TNTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.012 | -0.012 | t | 118146 | SNLDHILE PSIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.056 | 0.056 | t | 131024 | QTTANPSC PEG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0.001 | 0 | t | 57937 | SFVMRDG AAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 57937 | SFVMRDG AAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123710 | RKPKSQET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.029 | -0.04 | -0.041 | t | 124603 | QHWSYPL RPG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.036 | 0.027 | 0.029 | t | 118826 | GSGKGAGI GLGVGGG VGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.003 | 0.007 | 0.012 | t | 111039 | TGVPIDPA VPDSSIVPL LES | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 156893 | IPHPKLG DPRPM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.039 | t | 22230 | GRVCLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.029 | -0.031 | t | 69299 | VKQMYKT PTLKYFGG FN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.013 | 0.01 | t | 58880 | SKLGVSW ATRQIGNT VTPTV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.006 | 0.009 | 0.012 | t | 149247 | AEQQWAL YADGSIRP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 95749 | QVYNKLG MYPPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.01 | t | 72252 | WAPTAPL PGDMNPA N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 84003 | ITGPGTNN PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127680 | HFHRPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127796 | RAHGEAG AGRVRTSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131539 | LISSSQDG HQWTLFF QNGKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113082 | LVEEAIAY GRKLGGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111570 | MRPDNAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 82527 | GAATPYA GEPARPPE TLGEE | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 47180 | PDREVLHR EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.03 | 0.03 | 0.031 | t | 30121 | KDCMGEA VQNTVED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115733 | ERFFSDKIA K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.008 | 0 | 0.001 | t | 50180 | PYVEPTAP QVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.009 | -0.008 | t | 46792 | PAFGANS NNPDWDF NP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135710 | LAKEQKSK QNIGALKQ ELAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.028 | t | 130869 | GRDRQPR L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | 0.002 | t | 11081 | EAIPALTA VETGHTSQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 135841 | HVTDMM ELYTLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.008 | t | 123884 | YYQKWME EQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.01 | -0.01 | -0.011 | t | 71212 | VSVTDHKK WQFNSPF VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.026 | -0.023 | t | 109702 | PLKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0.002 | t | 74871 | YLPVGGLR RIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.033 | -0.03 | t | 69068 | VIPLAIEFT PRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.033 | t | 75902 | YSTEVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.026 | 0.017 | 0.02 | t | 49535 | PSTPGSRQ NM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.026 | 0.017 | 0.02 | t | 49535 | PSTPGSRQ NM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.009 | -0.012 | t | 138841 | EASPQAW WDESQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.034 | -0.02 | -0.017 | t | 314 | AANAHHA ANAHH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.048 | -0.049 | -0.048 | t | 7311 | CVTGHWR C | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.03 | t | 106976 | VPTQLYNL YPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.013 | 0.008 | t | 49071 | PQPQQQL PLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | -0.003 | 0 | t | 50299 | QALCENPE CVPLKDN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.032 | t | 118439 | IVLERSES WNLKDLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.019 | t | 77954 | LVVMVVA PLTVNTEG APQIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.011 | 0.008 | t | 40921 | LYREALESP EHC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 138753 | AAHAEINE AGREVVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.02 | 0.02 | t | 130636 | WPQIWFD DEEDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140584 | PWHQMA ATS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140584 | PWHQMA ATS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123860 | YEEHLYGR D | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107008 | YEFRHSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103530 | QSGGNNS PAVYLLDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 86972 | NPITESAH LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 150995 | HLGKCNI A GWILGNP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123453 | LPKIKEYM K | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 66573 | TTDSGDG RQTIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 66844 | TTTDSGDG RQTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 128150 | YFIICPIID MASAWA KRARG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 111550 | MKVNILR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.001 | -0.01 | -0.012 | t | 111844 | TPRRPGKE IEAYIFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.001 | -0.01 | -0.012 | t | 111844 | TPRRPGKE IEAYIFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.044 | 0.029 | 0.028 | t | 19023 | GDLGSIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.016 | 0.009 | 0.009 | t | 21059 | GLPDSVKI WTSETNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.027 | t | 103496 | PRGYPGQ V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.03 | -0.03 | t | 47721 | PGPGEVW V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 141935 | KKPGGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.028 | 0.03 | 0.03 | t | 15281 | FASRGTS MDDEA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0.007 | 0 | t | 133841 | GRGNGDP GGGMEKD G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.01 | t | 5438 | AVLLGACSF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.033 | 0.03 | t | 60915 | SSAVDSGTATAPPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.038 | t | 125011 | DFHFEVFN FVP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 23463 | GYSLFQKE MKTDNEG TSGTA | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.017 | -0.02 | -0.019 | t | 133744 | YGGFMRF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.011 | -0.009 | t | 56434 | RVTVSTRR SQQTIIPNIG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.03 | t | 95142 | RIKNTDGSIS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.011 | 0 | -0.003 | t | 44221 | NIETVIEFQ QKNNRLE | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 29936 | KARRPEGR TWAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.094 | -0.087 | -0.081 | t | 133691 | SFNKTLSTRK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.052 | -0.044 | -0.04 | t | 96260 | EPNANLSL TTDGKFLK ASA | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.021 | -0.02 | t | 64663 | TKRRITPKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.017 | 0.02 | t | 97497 | MIEGAQG ALERELKRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.002 | t | 43557 | NEALPGD ARDTT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.003 | -0.002 | t | 32808 | KPNLSSKR SELSQLSM YRVF | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.01 | 0 | 0.001 | t | 59967 | SNYYSDNE IEQHTAKQ PKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.031 | 0.029 | t | 60915 | SSAVDSGT ATAPPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103055 | AQAQHLT MANIVTSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 143673 | DRANLGT L RGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132048 | RRERGM MKGGNK QEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108526 | LLRPVARD T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 25794 | IEEVALSNT GEIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 28482 | ISESQGNE EDERNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 135726 | NLERECM E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 100410 | QEEHLKEI MK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 99556 | QCGLRAP QRCDLDV E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.01 | t | 128024 | IKKVATPK KASPKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.027 | -0.029 | t | 95080 | FLRMKRP GEDKVRP ACQHKQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.015 | -0.01 | -0.008 | t | 99963 | DTVQLRRK LEFFTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 48345 | PLGLRSEF PI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.019 | 0.023 | t | 36406 | LHNNEAG RTTVFS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 135459 | GACLGKAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.026 | 0.023 | 0.023 | t | 21763 | GPRLQPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | -0.001 | 0.002 | t | 7323 | CVWNNKT PNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0 | t | 117993 | LNYLDPRIT VAWCKK WGVPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.003 | 0 | t | 53220 | RATLSNEH GITI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 110562 | DIILECVYC KQQLLRRE VVD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 110303 | KHRRLLSD QDQSQTP ETPAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0.001 | 0.001 | t | 78695 | KDTNNNL YNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.023 | 0.02 | t | 79676 | VSCNVTE HPFCNTPH GQLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.031 | 0.017 | 0.018 | t | 111445 | KEIEAYIFE MFNENQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.013 | -0.01 | t | 96020 | YLKTVYQH QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 117065 | QFTGSTRQ HAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 107357 | EYKCKVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78216 | NKLSAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135945 | KFGADAR ALMLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115310 | KHIQKEDV PSERYLGY LEQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101706 | HEQPHWL LWQPP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 93098 | KIEEIIGQNG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77892 | GMEPPKTPEAAAHCHAEWD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.032 | 0.05 | 0.058 | t | 78286 | TTAETLDATR | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121674 | NVKKLLVAKPLVDWF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121674 | NVKKLLVAKPLVDWF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115518 | TPEGDLEILQKWENG ECAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115954 | SEESITRINK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 113883 | SRGSHEWAVLFRFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 41335 | MEECSKARPYIEQAQVIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.08 | t | 115731 | EPVLGPVRGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 131309 | RVALTEDRLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.013 | -0.01 | t | 26844 | IKLPALF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79305 | MCEYSHWSGFAFCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.01 | 0.011 | t | 138189 | HILGSTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 103830 | CHAVKVGNPSC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.026 | 0.022 | t | 106084 | RPRSPSSQSSSSGSPRRP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 159079 | RSNHNRR PGYKTQN QG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 21467 | GNLLFTGH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 21467 | GNLLFTGH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.001 | 0 | t | 148569 | DKSKLRDV KDNKSTD VKL | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.006 | t | 142806 | KATALTYD PYVNYSS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.019 | 0.02 | t | 65669 | TPNLTTAH GAGS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151662 | KFSPLTAN LMNLLAE NGRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | -0.002 | 0.01 | 0.011 | t | 78394 | GEAVTVTI TDDNEEPI APY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.013 | 0.011 | t | 27670 | INKDAREL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | 0.003 | 0.002 | t | 21664 | GPIRPTLPP GILGPLAP NTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.014 | 0.009 | 0.01 | t | 52059 | QQLIVARQ KLKDAE | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0.003 | 0.002 | t | 22387 | GSINTGW FNTGNAN TG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.013 | -0.021 | -0.02 | t | 44598 | NKSLGACP IR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.024 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0 | t | 60679 | SRGNHVS PTHYVPES DAAAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.021 | t | 24441 | HPDVPYVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.01 | -0.01 | t | 94446 | CCHPACG KN | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 129973 | SPRSFQKK T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121742 | QCVLAIFN NVYGLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 121742 | QCVLAIFN NVYGLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115905 | PVALINNQ FL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79447 | VCEHPENK APPCCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149066 | LLATQPA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103686 | VALFGEPS SGFSSML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79162 | AVWEWM WWDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 77782 | GRVSARG CTFVACW KGVVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111091 | AEPDRAH YNIVTFCC KCDST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111091 | AEPDRAH YNIVTFCC KCDST | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115598 | ATGMEVG WYRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115598 | ATGMEVG WYRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115905 | PVALINNQ FL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.016 | 0.01 | t | 24464 | HPKVGEGI DFTSIVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | -0.002 | t | 6104 | CDGYCKT HLKASSGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.022 | -0.02 | t | 65694 | TPPPRRRR TVGLSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.01 | t | 132108 | VDHLRDR NSGSSSSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.013 | 0.012 | t | 52822 | QVYLNGD KTKPVTLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.021 | -0.02 | t | 98396 | QQQQFLG QQQPFP QQPY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.008 | t | 132067 | SLVLTNEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.011 | -0.009 | t | 135739 | QFCKNSA D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 56718 | SAAYATSS FSSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 91903 | RNERATGS GNGSGGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.025 | 0.03 | 0.031 | t | 70444 | VPQLEIVP NSAEERLH SMKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.04 | -0.04 | t | 64837 | TLHLPHLW RPLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.04 | t | 64837 | TLHLPHLW RPLS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 125052 | FSLRLMEE NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 135415 | AAKAAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.027 | 0.033 | t | 13908 | EQQKEQC VKECEKYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.04 | -0.04 | t | 141073 | REGVRWR VMAIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.045 | 0.051 | 0.052 | t | 73072 | WSGEDSA TLGAGGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.033 | -0.029 | t | 36679 | LIRALFGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.007 | t | 134767 | QDPYVKE AENLKKYF NAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.023 | -0.022 | t | 45574 | NQLDQMP RRFYLAGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.023 | -0.022 | t | 45574 | NQLDQMP RRFYLAGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.03 | -0.022 | t | 115574 | YWLAHKA LCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115614 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.048 | 0.043 | 0.048 | t | 105963 | MDPGLKE SPLQTPAD DGSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135678 | GEDAKPG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114814 | ESNGTLTL SH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115842 | LEELNVP EI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0 | t | 135843 | QELVDCAS QHGCH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135321 | TKLPNTLIP YSSVEV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 118818 | GPAPGMR PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156924 | NLNHWYK SWLLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 109210 | GPRGLPGE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 116037 | YIPIQVLS R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99762 | VLASVSAT HAKSSPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 98903 | MHIRLSFN PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 22105 | GRIVLSGR PAIIPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 118217 | VTKYITKG WKEVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.027 | 0.03 | t | 78759 | PGLRPQNL YTLWGGG VVCMY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 130637 | WSSCVFSV SYCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 135488 | PIFPGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 14099 | ERYLGYLE QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.029 | -0.03 | t | 135787 | VPLDGKTI TNNQRI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.039 | -0.04 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.013 | t | 64031 | THGQWN KPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.017 | 0.02 | t | 53334 | RDEDSYER DPYSPSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | -0.002 | t | 5907 | AYQVRNS TGLYHVTN DCPNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78355 | DCLSDVAG LQNDPTT WCW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.014 | -0.01 | -0.009 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.039 | 0.037 | 0.032 | t | 117214 | KGEQGEP GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 108860 | DGVNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | -0.003 | -0.002 | t | 106679 | NGDKANV LFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.022 | t | 66389 | TSQNTRISL RPGPVSQP YHH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.042 | 0.041 | 0.039 | t | 17140 | FNDSQRQ ATKDAGTI AGLEV | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 151729 | RYSPSLNT RL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108202 | VVSHFND | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 104461 | EFRHDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105163 | EFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 45932 | NSNNPDW DF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 23988 | HHHHHH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 11571 | EEEDDDM GGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 11571 | EEEDDDM GGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9524 | DNPASTT NKDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.018 | 0.01 | 0.01 | t | 31093 | KGYLVDKN TGCKY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.013 | t | 63972 | TGTAYPVP LELTPENA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134773 | QKSTHLLIR KLPSFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 142426 | KAAYGLLK TKNQYVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.007 | -0.01 | t | 74674 | YLGLTPM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | -0.009 | t | 106946 | VATALNPD PSQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.051 | -0.04 | -0.039 | t | 79743 | AALAARKA DLEKALEG AM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.009 | t | 122205 | VFTLPPPL PETH | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.04 | -0.037 | t | 131031 | RAYATEPH AK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.016 | -0.02 | -0.021 | t | 153284 | PTPLSPPLR NTHPQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.019 | 0.02 | t | 46313 | NTWEGQA ASAALGAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.019 | 0.02 | t | 46313 | NTWEGQA ASAALGAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.011 | t | 3592 | APHLPYIE QGMQLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 156948 | QVHTSI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 119584 | GQPENNY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115901 | PQSVLSLS QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.033 | 0.033 | 0.042 | t | 127869 | TQSPAPGS SFSP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137555 | QEWQQQ DECQIDRL D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.023 | 0.022 | t | 69083 | VIQDYDN QHEQDRP TPSPAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142410 | EAPNSSRH HLRNGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149124 | TNPTQTK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135902 | AVSAHGCL FDRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137812 | AVSLGQN VLSAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 20654 | GKPAIIPDR E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115709 | DKIHPFAQ TQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.013 | -0.02 | t | 141780 | WSKAHPP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 41052 | MAILGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | -0.001 | -0.003 | t | 110933 | LQGNRINE FSISSFCTV VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0 | t | 5994 | CAKSPRYT LD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 139499 | FGEFSFQY DCSSWGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 69883 | VLYQEFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 58381 | SHLPYIEQ GMQLAEQ F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 52420 | QSRGEAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 51307 | QLDPAFG A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 55726 | RRRSQSPR RRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 41870 | MKNYLSF GMFALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.003 | -0.001 | t | 17262 | FPCDRLSG YWERGIPS PCVR | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 7171 | CTKPTDG NC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141104 | VVHVETH RCNISWEI S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 141104 | VVHVETH RCNISWEI S | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.02 | 0.019 | 0.02 | t | 30150 | KDGDTTN R | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 30150 | KDGDTTN R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 138088 | WLDLSKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 157357 | GVAPPGW YDPPVQ | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 156942 | PWSKMHI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.04 | 0.039 | t | 102383 | EEKNGNTS WNDTVTC PNAEC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.033 | 0.03 | 0.032 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.033 | 0.03 | 0.032 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.033 | 0.03 | 0.032 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.006 | 0.007 | 0.008 | t | 42583 | MSKKSGK WWESDD KFAKAVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 117107 | VQTDGST KSHRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.028 | 0.031 | 0.03 | t | 10067 | DRYFTYEE PNDG | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.001 | t | 142576 | DGASYSW MYEA | Mus musculu s |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.034 | 0.03 | 0.031 | t | 47259 | PEDSALLE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.033 | 0.031 | t | 114277 | CDAISNFF KNIGYAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.023 | 0.019 | 0.02 | t | 58359 | SHGNYST QVGATQA GRFSIT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.01 | -0.01 | -0.01 | t | 123692 | REKRKPKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.03 | 0.034 | t | 133698 | SLLTEVETP IRNEWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.013 | 0.012 | t | 61686 | STKAAKPP EAKREAI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.003 | 0 | t | 47769 | PGVAGSG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.014 | t | 133618 | KKLLVRGL YRISFTTYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.011 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156875 | GHTSLR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 157341 | GQVEGRT YDAAMVA | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108683 | VPVDAGT AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 104232 | SAMWDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79225 | GCAIPQNA IRPPCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97745 | VNKAGASI G | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133721 | TSKNTSWF DWQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 107700 | YRVVSVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.04 | -0.04 | t | 83458 | IGLKGGFG KLRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.055 | 0.061 | 0.06 | t | 128141 | VTNDCSNS SIVYEAAD VI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.02 | -0.027 | -0.03 | t | 76368 | YVNTNMG LKIRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.029 | t | 136542 | PDGSESPT DQET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.02 | t | 78863 | TPSMDALS AQLYSSL DSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.021 | 0.02 | t | 78863 | TPSMDALS AQLYSSL DSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 116944 | DFRYSTRP FAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.031 | -0.031 | -0.032 | t | 59231 | SLKMADP NRFRGKNL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.032 | t | 59231 | SLKMADP NRFRGKNL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 13623 | EPDKMTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.04 | 0.041 | t | 113344 | DTFVVSS DS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.016 | t | 10813 | DWICTVLT DFKTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 41866 | MKNNPIYS EGSL | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 41866 | MKNNPIYS EGSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.007 | -0.008 | t | 68927 | VIDLMQT HQHGLVG ALLRAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.002 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149316 | FMAYTDE TFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.003 | 0 | t | 42306 | MPNYDRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.01 | t | 106225 | ADIWLTPD PTTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | -0.003 | 0 | t | 115349 | LKGYGGS LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.001 | 0.01 | 0.01 | t | 8567 | DHSDLVAE KQRLEDLG QKFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.03 | t | 58231 | SGSGSNNS SSSA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.007 | -0.008 | t | 10037 | DRPVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.009 | t | 49950 | PVRVAWS SPVQNCEP WIPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 108134 | SLCINLRA AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.058 | t | 62334 | SVSRARTR HLLLCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.021 | 0.022 | t | 44662 | NLDDRDR SESPLLS TTEW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.019 | t | 130623 | TSDVEVNE KKERVTEA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.032 | 0.03 | 0.03 | t | 111758 | SAQLPGET SASDNVY | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 128973 | IQEVRSKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.03 | 0.029 | t | 113129 | QLELPAVT PEDDGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 115875 | NTIASGEP TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135678 | GEDAKPG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 144667 | GREGYP A DGGKIWT SETN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103530 | QSGGNNS PAVYLLDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107533 | NWLDGKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.008 | 0.001 | 0 | t | 39023 | LQYGSFCT QLNRALSG I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106878 | STSSSSSGS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115424 | PQRDMPI QAFLLYQE PVLGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39376 | LSGKPATIP DREALYRE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 32648 | KPAIIPDRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 104732 | ASAYCST WDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.009 | t | 2891 | ALSRCTLN RNALRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 58037 | SGFTLEFLE HAFSVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.018 | t | 69175 | VKAETRLN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.017 | 0.02 | t | 135588 | QESYSSKK LCT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.021 | t | 107083 | AKDVKFG ADARALM L | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.01 | t | 43764 | NETIYNTTL KYGDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 20654 | GKPAIIPDR E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 94953 | TTAEMLD ATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 102323 | ATTSPARE NYFMRWL SDLRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.011 | -0.008 | t | 8217 | DEYCSPDH NCQSCK DSGEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.029 | 0.03 | t | 78498 | QSSDSPPG GLQNDFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.01 | t | 78636 | EKKIAKME KASSVFNV VN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 114125 | HYGSLPQK SQRSQDE NPV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 119658 | TYGIVLLSG V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 156904 | KPGDPRH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 156905 | KPGDPRQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 156966 | SVTKLGDP RAPR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 156900 | KLGDPRIA TTLF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 130643 | YSLLEPYT FDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 130482 | EIYPWYP MAERS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 130634 | WEWDWP RIELNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 130470 | DWPALIFD QDML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 72805 | WLTEKEGS YP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 69183 | VKAVTTLL KA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 39183 | LRRDLAS REAKKQVE KALE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 26849 | IKMVSSLK TKIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 3221 | ANAANE DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 3221 | ANAANE DYQAKLTA YQTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.02 | t | 109734 | PSREEMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.02 | -0.02 | -0.02 | t | 94475 | CNPACGR H | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.007 | 0 | t | 115053 | GGSYFMIS R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.007 | 0 | t | 115053 | GGSYFMIS R | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.007 | 0 | t | 115053 | GGSYFMIS R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.05 | 0.05 | t | 117598 | PEPAKSAP APKKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.012 | -0.017 | -0.018 | t | 23809 | HFPLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.023 | 0.022 | t | 118381 | GKTCPEI PKGSKNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 28719 | ISSIFSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 28719 | ISSIFSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 119858 | FDEQNCS MKLGWTW YD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.001 | 0 | t | 30988 | KGIYQTSN FRVVP SGDVVRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.012 | t | 138034 | SDHSRNG FDTDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.008 | 0.007 | 0.01 | t | 22799 | GTRIRFKD DTSFED | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 133668 | QEGPEYW DRNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111149 | CIPASGQT C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135645 | CSCTEGYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135745 | QTSKLTRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 130759 | CRQSRKRP C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119502 | NNLGTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128095 | RQKPANV LNDAQTKL LAVSG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0.003 | -0.003 | t | 134220 | RQGAEP KNFVKPNE TKTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133467 | YYTYFGRN AYNETKLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132925 | WGANSPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 98733 | DKALKALP MH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 110595 | GIAGAPGF PGPRGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.03 | t | 64994 | TLNWPPTL WGMH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.019 | t | 135490 | QIFNLFTTK DSSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.012 | t | 122452 | KTTKQSF LSVKAQYK KNKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.02 | t | 119923 | GYISKAQE YFN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.06 | -0.061 | -0.06 | t | 130729 | APHKHKAS LSIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 130810 | EPWWSM H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.017 | 0.01 | 0.012 | t | 21469 | GNLLLSCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.029 | 0.033 | 0.04 | t | 65042 | TLRITYLTE T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.041 | -0.04 | t | 108928 | ERGRTGPA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 54570 | RLGVRATR KTSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 51967 | QPSKPTTK QRQN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.04 | 0.027 | 0.029 | t | 13272 | ELSKDIGSE S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 68174 | VEFDLPGI KADSLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.06 | -0.053 | -0.057 | t | 105966 | MKKRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 153481 | TPTWPLLT IFPSGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 126900 | QVAALTW VQTHIRGF GGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.026 | 0.03 | 0.029 | t | 7558 | DAKDGKEI DTKHL PST C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.007 | -0.007 | t | 51775 | QNTRNIVP VSIVSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.047 | -0.05 | t | 46856 | PALPVWA R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.027 | -0.03 | -0.032 | t | 62961 | TAPTDPT RTVWTFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 119602 | KGQPREP Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108033 | MQTPPGN LENAVETL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115992 | TEDELQDK IH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 114467 | MAKLILVS FSLCLLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 124734 | SPLSLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119278 | MSKTEWN ASQLPRLG GKEDR | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103746 | YHVVAGQ TSPANVV G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 39393 | LSGRPAIIP DREVLHRE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 131764 | YAIAWHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 141070 | PSLRDIFAW | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 114905 | NKCNFCN AVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.007 | 0.01 | t | 106762 | QYFALEAY AF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.009 | 0.01 | t | 36048 | LGACSFSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.023 | -0.022 | t | 61155 | SSLFQLWK SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.01 | 0.018 | 0.02 | t | 22662 | GTGKRNQI TITNDKGR LSKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156955 | SDYTLTAVI PAPRSL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.038 | t | 107856 | GGQGSRH QQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 48927 | PPSSPTHD PPSDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.033 | -0.03 | -0.03 | t | 50027 | PWFLAHH TGGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.007 | -0.001 | t | 122730 | DPAQPPR D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.001 | 0.002 | t | 74664 | YLGAMV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.027 | -0.02 | t | 135913 | EEAIERAV VHVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.013 | -0.019 | -0.02 | t | 15918 | FFTEVDGV RLHYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.007 | 0 | 0 | t | 57505 | SEKSEEINE KDLRKKSE LQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.007 | 0 | 0 | t | 57505 | SEKSEEINE KDLRKKSE LQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.027 | -0.03 | t | 47336 | PEKTPLPV SATAMAP SVDPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.027 | -0.03 | t | 47336 | PEKTPLPV SATAMAP SVDPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.021 | 0.03 | 0.031 | t | 40439 | LVLGENLD TERILASYQ EGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 133693 | SGRHSRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.041 | -0.04 | -0.04 | t | 141540 | FTPQSRRL RELPLAAD ALTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111231 | EDLLMGTL GIVCPICSQ KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 25096 | HVSPTHYV PESDAAAR VTQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.036 | 0.02 | 0.018 | t | 139338 | VEDILY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.033 | 0.029 | 0.03 | t | 63802 | TGDFDSVI D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.035 | 0.04 | 0.043 | t | 49006 | PQGQGKV T | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.006 | -0.001 | 0 | t | 29205 | IVARQKLK DAERAV | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.009 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 79362 | RCRKVLIC RRICP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.037 | -0.04 | t | 78873 | VKFPGGG QIVGGVYL LPRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 49240 | PRRGPRLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 113686 | PGQGQQG QQPGQG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79665 | VEGLAPG GGNCHLT VNGEDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137414 | HAPRYHTI YGWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 97443 | LFILTRDG M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.01 | t | 65519 | TPCILSGSA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107497 | KVSNKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114778 | DNECLLCA HK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 111546 | MHPSNSK SPPRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78310 | WHTSYLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 123267 | GRNDREK WL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.061 | -0.062 | -0.061 | t | 137907 | KGSGPGYY RLTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.012 | 0.012 | t | 136554 | PLDLPQIE R | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 137869 | GGVSTGLI QDDWTFQ | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 137829 | DWTFQTL VMLETVP R | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 151456 | TATTEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 137869 | GGVSTGLI QDDWTFQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 137842 | ETVPRSGE VYTSQVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 137868 | GFYPGSIE VRWFLNG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 138041 | SPLTVEWR ARSESAQS KM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 138059 | TSQVEHPS VTSPLTV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 138083 | VYPSKTQP LQHNNLL | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 138059 | TSQVEHPS VTSPLTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 137868 | GFYPGSIE VRWFLNG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 138083 | VYPSKTQP LQHNNLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 151493 | VVDGPETK EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 117320 | KPKAAKPK KAAAKKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | -0.001 | 0 | t | 79926 | MASMTG GQQMG | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|--------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 51252 | QKSKQNI GALKQEL | Oryctola guscunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 43233 | NANP | Oryctola guscunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 50180 | PYVEPTAP QVL | Oryctola guscunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 51806 | QPELAPED PED | Oryctola guscunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 50180 | PYVEPTAP QVL | Oryctola guscunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 40110 | LTPLEELY | Oryctola guscunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 50156 | PYQGSGK GVS | Oryctola guscunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 50180 | PYVEPTAP QVL | Oryctola guscunicu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 16101 | FHENWPS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 9524 | DNPASTT NKDK | Oryctola guscunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | -0.001 | 0 | t | 2270 | AKQPATLR | Oryctola guscunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 10109 | DSESGGHI TH | Oryctola guscunicu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 7171 | CTKPTDGN C | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156933 | PLEKSHL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 159282 | EENW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.013 | -0.01 | t | 115258 | FYPELFRQ FYQLDAYP SGAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 145804 | GPVGPSD PSIVSLVEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 102005 | QPDQHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | -0.001 | t | 122290 | CSNSSSSQ FQIHGPRQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.034 | -0.037 | -0.04 | t | 48460 | PLPWLP GA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.019 | -0.018 | t | 70402 | VPNTNIKL YVRRVFIT DEFR | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0.004 | 0.001 | t | 50637 | QELDCWH YQHVCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.054 | -0.059 | -0.06 | t | 36813 | LKCRLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.054 | -0.059 | -0.06 | t | 36813 | LKCRLR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.007 | 0.011 | t | 31580 | KKIQDCYV ENGLIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.041 | t | 108666 | TRCAQCH TLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.06 | -0.06 | -0.061 | t | 57620 | SESHNFDA VMSKLG VSWATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.06 | t | 119481 | KRRASAG GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 133701 | SRNKHKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.007 | -0.008 | t | 51168 | QKAREAFR | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.013 | -0.011 | t | 66462 | TSTGPCKT CTTPAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.078 | 0.066 | 0.073 | 0.082 | t | 125871 | EEEEEEEE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.004 | 0.037 | 0.031 | 0.029 | t | 20217 | GIAKGIKEI VEAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107496 | KTKPREQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111548 | MHQTTAQ PLRSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78396 | GLANDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 150996 | HPSTSADQ QSLYQNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137419 | HSPRWHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144667 | GREGYP A DGGKIWT SETN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112103 | FAYWGQG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.01 | -0.01 | t | 110766 | AIKSEVSLT GAL | Macaca |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41735 | MIKVGFP TGAFKSP WKSH | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 15437 | FDPLRAEE DEREVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.058 | 0.053 | 0.062 | t | 121718 | PSDDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115204 | DEALEKFD KALKALPM HIRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79512 | AIWYPHV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 17365 | FPQPQFP PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.043 | -0.039 | -0.043 | t | 103116 | DSIYYVDA NASIQEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.034 | 0.039 | 0.038 | t | 24697 | HRMQEAV EAERAGR GTGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 116292 | DPVVHFFK NIVTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 48331 | PLGFFPDH QLDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 141559 | SDEALPLG SPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.016 | 0.019 | 0.022 | t | 148521 | CNTKCQTP MGAINSS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 55137 | RPDYQPAT VAGCALPP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 95475 | IRLSFN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.022 | t | 22685 | GTHNGQI GNDPNRDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.027 | 0.03 | t | 95901 | TEKPLEPA PVEPSYEAEPTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.019 | t | 108845 | DAGVIQSP RHEVTEMGQ | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.002 | -0.01 | t | 47636 | PGEGPSTG PRGQGDG GRRKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.011 | 0.02 | 0.023 | t | 75691 | YRYNIYSEK EKSNNIDFN | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.008 | 0.01 | t | 65947 | TQTFLGTSI SGVLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.03 | -0.03 | t | 141052 | LRDIFAWEP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.024 | 0.02 | 0.021 | t | 106771 | RERMS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 29936 | KARRPEGR TWAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 8071 | DELGFMV PPGLSSE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.012 | t | 32807 | KPNLSSKR SELSQLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.026 | 0.02 | 0.022 | t | 8133 | DEQFIPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0 | t | 63735 | TFQVEVPG SQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.001 | -0.007 | -0.01 | t | 33799 | KTNSSLLT | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.015 | -0.02 | -0.021 | t | 104586 | NRVAPNV RQ | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.009 | -0.01 | -0.01 | t | 69199 | VKDWSERI REFMEK | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 127870 | TRGPAHP AFARAHG E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.086 | -0.088 | -0.087 | -0.092 | t | 121503 | KRLKISKKP KDPEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141642 | FHDTSLLS HHLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113755 | QGQQPG QGQQPG QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 86153 | MANTGA MELV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140606 | TMWDALE AP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140606 | TMWDALE AP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151032 | LYQNADTY VFGSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107698 | YNSTYRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 86900 | NLPNDVFR EAQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.017 | 0.023 | 0.02 | t | 42977 | MVNINDT DTWIPKG CNE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.046 | 0.03 | 0.03 | t | 136059 | EGY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.048 | -0.04 | -0.038 | t | 125454 | KDYKTMV KFCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.011 | -0.01 | t | 153287 | RQSGRQP TPLSPPLR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 140865 | GYLAGKG VDAGKLG TVSYGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.02 | t | 108213 | WQQGNV F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.02 | t | 108213 | WQQGNV F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79958 | PALELIRM VECSGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.053 | 0.039 | 0.041 | t | 138862 | KFPED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.01 | -0.008 | t | 107155 | GKWLGH PDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.017 | 0.02 | 0.023 | t | 66751 | TTPAQGTS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 119542 | VRGAKEGI ILFKEKAKE ALG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.009 | 0.01 | t | 46737 | PAADLNW GENQDGI VWV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.006 | 0.003 | t | 115785 | HSYQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.036 | -0.043 | -0.05 | t | 132890 | QSPWQT WFTRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.01 | t | 52735 | QVLDSHY QDVLKEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 105140 | DN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123641 | PVVGAVQ G | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | -0.001 | 0.01 | 0.012 | t | 23309 | GYAQDQE PDARGRIR NGALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.011 | t | 56730 | SADGTTVT SGSTKDT LQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 57620 | SESHNFDA VMSKLG VSWATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.023 | 0.022 | t | 78153 | FDPQIQAI VSSPCHNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 61124 | SSIVYEAA DMIMHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 58077 | SGHRMA WDMMM NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 48627 | PNEPDDAL AMRIIRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 35252 | LDPHAFHL LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.087 | 0.08 | 0.08 | t | 95244 | ANEEEYSI GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 18494 | GAAAAGA VVGGLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.022 | -0.029 | -0.031 | t | 146401 | KSIHLGPG RAFYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.037 | 0.04 | 0.04 | t | 46522 | NVYADSFV VKGDDVR QI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.035 | 0.033 | 0.03 | t | 96025 | YSMLVER DHKNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | -0.003 | 0 | t | 95750 | QYLYQGPI VL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79446 | VCDQVQ WMTRLAC Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0 | 0 | t | 433 | AASGPKVV IDGKDQN VTGSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149295 | ELDHWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132689 | TCSADGGT LFYNLCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 122206 | VISRSRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132689 | TCSADGGT LFYNLCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 130747 | CELSPSSRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114778 | DNECLLCA HK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 20653 | GKPAIIPDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115913 | QAQPTTM ARH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 114977 | VMVLCNR AFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.02 | t | 123180 | FLEYLGEKY | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.009 | -0.01 | t | 16376 | FKHLREFV FKNKDGL Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137143 | EDAKCERG KLFANCK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 140895 | QRRADAV KGYLAGKG VDAGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.029 | t | 58371 | SHITSYPAY FW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.024 | -0.03 | t | 39131 | LRKSRRFA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.031 | t | 48832 | PPLSQRRAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.01 | t | 6128 | CDPQPDFSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.052 | -0.05 | -0.05 | t | 46985 | PAVASRRRPTTAGAAPLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.001 | t | 46859 | PALTAVETGATNPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95048 | VIFQTPLIKNPDVKSAIEG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | 0.002 | -0.01 | -0.011 | t | 41406 | MENITSGFLGPLLVLQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0.006 | 0.002 | t | 7945 | DESDSSDGYPPNRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 118434 | ISKGANPVEIRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.001 | 0 | t | 54850 | RMAILG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.007 | 0.01 | t | 60310 | SPVFTDNSPPVVPQS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.02 | 0.022 | t | 60914 | SSATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.006 | -0.01 | -0.01 | t | 134333 | CIPIPSSWAFARFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.028 | 0.02 | 0.02 | t | 48601 | PNAPIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.019 | t | 106766 | RATKGISGINKNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 32622 | KNTTTTQTQPSK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121841 | SGGSCLPV ISHYASC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121841 | SGGSCLPV ISHYASC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 141021 | GHKEVT VT | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 127682 | HFHRPYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110612 | GPPGERG APGNRGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103018 | AFLHWAIT DGNKASF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99413 | LEEKMYAC RDIGTTK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.039 | -0.031 | -0.03 | t | 57886 | SFRRLGAA LL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.013 | 0.011 | t | 115729 | EPQVVTLP PSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 121891 | TAAREQA KEACKAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.053 | -0.05 | -0.05 | t | 98840 | KALPMHIR LS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.004 | 0.001 | 0 | t | 59749 | SMSHRTM SIVNSYVN DVMER | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.007 | 0.01 | t | 115486 | SISSEEIVP NSVEQKHI QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.006 | -0.01 | t | 135956 | LRQLTPEQ LSTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.011 | t | 56208 | RTVGSLSN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.043 | -0.041 | -0.04 | t | 75659 | YRPLPGGT PPMRARL PA | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 59927 | SNTLPRSN TSSGASP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.012 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.042 | -0.05 | -0.052 | t | 121292 | FATFVYAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.019 | t | 153267 | IWENAGR MV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.023 | -0.02 | t | 134100 | IPPWEAPK EHKYKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.038 | 0.04 | 0.042 | t | 35662 | LEQPVSND LS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.024 | -0.028 | t | 11700 | EEITQVATI SANSDHNI GKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 135595 | SNKKKRD DFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.03 | t | 8918 | DKLADYKR RM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.04 | -0.04 | t | 52696 | QVFGAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 66539 | TTASGKLIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 54850 | RMAILG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.04 | t | 107207 | LLTTAEAV VTEIPKE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 48927 | PPSSPTHD PPSDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.063 | 0.056 | 0.06 | 0.061 | t | 2273 | AKREAIVK ADEDDNE ET | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.023 | 0.01 | 0.01 | t | 29201 | IVAPVKQTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.019 | t | 144793 | SYGGRKGT HPGLEMP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.012 | -0.01 | -0.01 | t | 65465 | TNTSGSRS | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 108133 | SKTTTMPY TPGPTAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.023 | 0.02 | t | 51428 | QLLRIPQAI MDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.023 | 0.023 | 0.023 | t | 115406 | NRKVKPTT EGGVETE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135644 | CQGDSGG P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.017 | 0.02 | t | 17418 | FPTFPDGH DY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149121 | THANSTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119618 | NHYTQKSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106648 | MHNPSMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106648 | MHNPSMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111150 | CKEGKKSP C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141072 | QVVHVET HRCNI | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41331 | MEECASR AALLEEQ RIAEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 148887 | QQSFPQQ QRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 134694 | ISPFCLK | MD |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156850 | APHNKWP HLNPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 139569 | PRKQCSKE DGGGW Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 134694 | ISPFCLK | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 58324 | SGYKRMM ATKDSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.019 | t | 107656 | VGGVV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 39887 | LTEVETPIR NEWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.059 | -0.057 | -0.05 | t | 112352 | TGNKYPGY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.033 | -0.038 | t | 156697 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.035 | 0.029 | 0.03 | t | 121071 | YAINSEQS KE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 141621 | DNWHGS NRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.02 | -0.009 | -0.008 | t | 9924 | DQVHFQP LPPAVVKL SDALI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.018 | t | 69176 | VKAETRLN P | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.018 | t | 69176 | VKAETRLN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.01 | t | 108213 | WQQGNV F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.01 | t | 108213 | WQQGNV F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 121824 | RVDGQRE AADEAQA FWF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.001 | t | 18742 | GAQITGH VKNGSMR IVGPKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.001 | 0.001 | t | 48377 | PLKDNRI SYGVLSV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 58404 | SHRLHNT MPSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 58404 | SHRLHNT MPSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.013 | t | 62347 | SVTEEIAEE DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.04 | 0.03 | 0.027 | 0.029 | t | 134149 | LRENQLLP GFEL | Rattus rattus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 91218 | DVLEATYA MVQHVAK | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 91218 | DVLEATYA MVQHVAK | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 91218 | DVLEATYA MVQHVAK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.007 | 0.01 | t | 144015 | NFCASCLL PVSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.023 | -0.02 | t | 3780 | APRIVLDV AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 53666 | REVLREF D | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.011 | 0 | 0.003 | t | 111193 | DGPAGQA EPDRAHY NI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116937 | DDHSTRC WVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116937 | DDHSTRC WVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.01 | t | 28278 | IREDDQPS SHQPLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 128316 | ARRCYND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.018 | t | 34734 | LAEIKQRS LMVHVGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0.003 | 0.002 | t | 69544 | VLIFDLGG GTDFVTLL TIDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.02 | -0.02 | t | 137921 | LIKNPDV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 115955 | SGEPTSTP TT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 98978 | RCLQSCQ QEPDDLK QKACES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 58921 | SKPTTKQR QNKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141789 | YNPTGKGI DDANKKA C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149058 | HLPNATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149088 | NQTQHSV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108210 | WFTSWER DWW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108210 | WFTSWER DWW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111678 | QLNKIQHF TTNS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 113754 | QGGQPG QGGQGG QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149066 | LLATQPA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 118459 | KKVGRKG VITVKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123453 | LPKIKEYM K | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 52088 | QQPFPQR PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 52088 | QQPFPQR PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115512 | TKKTKLTEE EKNRLNFL KKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.045 | 0.043 | 0.042 | t | 105164 | EFRHDSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.004 | 0 | 0.002 | t | 13438 | ENANANN AV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.01 | -0.003 | 0 | t | 56675 | RYVKQEV QRGGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 36957 | LKMADPN RFRGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 36957 | LKMADPN RFRGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 36957 | LKMADPN RFRGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.028 | t | 135462 | GGVPGV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79306 | MCNTDAS YPHVPCD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.046 | -0.039 | -0.04 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 132098 | TLLLEGVM AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 43233 | NANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.041 | -0.04 | t | 90424 | VSYAHGFK GLVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.04 | t | 90424 | VSYAHGFK GLVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.03 | t | 119462 | HDENGAT GPVKRARE ETDKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.037 | -0.04 | -0.038 | t | 24696 | HRMAWN MMMNW SPT | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | 0.002 | 0.002 | t | 107020 | YMTPSKHL YWLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.049 | -0.051 | -0.05 | t | 11575 | EEEEEDG FMGFGMF D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.051 | -0.05 | -0.05 | t | 137770 | TLARSFICI QM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.001 | 0 | t | 54180 | RILAGALA TYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.023 | -0.02 | -0.02 | t | 97430 | KRLRLALA S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.023 | -0.02 | -0.02 | t | 97430 | KRLRLALA S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.014 | 0.007 | 0.008 | t | 157770 | QEYEQHR RQQQH | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0 | t | 149729 | GTVTGHPT FNALLDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | -0.003 | 0 | t | 115347 | LIVTQTMK GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.02 | 0.021 | t | 37638 | LLNYIDEN KLYLIGSAE YE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.003 | -0.001 | -0.001 | t | 63375 | TEGALNTP KDHIGTRN PNNN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.012 | t | 120744 | LDTLLVDV EPKVKSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.04 | t | 62932 | TANGFYRL PSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.022 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.049 | 0.039 | 0.04 | t | 45255 | NNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.04 | 0.04 | t | 115048 | EQAPEYRG RTELLKESI GEG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.052 | -0.05 | t | 39367 | LSGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 75791 | YSLFQKEK MVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.051 | t | 153396 | HSFEPWS ARDMLGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 41601 | MGLIAGA VGGSLLA LV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123862 | YERDDGEK W | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149058 | HLPNATQ | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22091 | GRIILSGRP AVVPDRE VLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 24200 | HLFEAH | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112722 | WHIPPNIG RTFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 95574 | LSFNPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95094 | IGFRGLDG VHCTPTTD SGVI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 105553 | TQSSNF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.013 | 0.012 | t | 39061 | LRDPISAEI SIQALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.05 | -0.043 | -0.05 | t | 146463 | MSTRSVSS SSYRRMFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.039 | -0.03 | t | 119475 | KKIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.02 | t | 18929 | GCVVSWK NK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.019 | t | 107228 | REEFRHEA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.035 | -0.04 | -0.044 | t | 55930 | RSQPRGR RQPIP | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.001 | 0.004 | t | 138238 | SMLDTPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.007 | 0.01 | t | 111669 | QGGSKKG KSQKLNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0 | 0 | t | 29852 | KALENKKK QLSAGGK NLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.001 | 0 | t | 58640 | SINMTPID | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.025 | -0.02 | -0.019 | t | 66194 | TSFEDINGI RRPKH | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 119656 | TVDKSRW Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 75441 | YPYDVDPY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 75441 | YPYDVDPY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.01 | 0.011 | t | 21625 | GPFYTSAP Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 137942 | PGSEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.02 | 0.021 | t | 98556 | TVNNLK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.009 | 0.01 | t | 65698 | TPPRPAGD NATVAAG HAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.009 | -0.01 | t | 125401 | ELLTEHRM TWDPAQP PRDLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.061 | 0.051 | 0.048 | t | 57880 | SFRGSAQG IEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.013 | 0.02 | 0.022 | t | 132910 | TLIPEFPG ALTAIS | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.018 | 0.02 | 0.02 | t | 125772 | CAPEPGIP GETRG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.03 | t | 34286 | KWDLFVE RSK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.017 | -0.019 | t | 98687 | AKAPPAPK PAPQPGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | -0.006 | 0 | t | 71199 | VSVNDPFI DLEYM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.02 | 0.019 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.02 | 0.019 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.024 | -0.028 | t | 108893 | EGAQGPR G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 153499 | WSWQPPL FPTDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156424 | QQEEGRQ QEQQQG QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79511 | AIWSTRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156426 | QQEQQQE RQGRQQG R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119669 | VSWNSGA L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114927 | QGASVDK RHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78218 | NKQWFT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80205 | AENQEAA GLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151659 | KATDLLLD DSLVSFLG NRRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158703 | CKEADIKT ALEARKA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158703 | CKEADIKT ALEARKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123685 | RARVSMIE G | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119517 | RKRTRHLE G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 119659 | VDKSRWQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.029 | -0.03 | t | 97685 | TGIEIVKRA I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.029 | -0.03 | t | 97685 | TGIEIVKRA I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 136074 | LVKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.008 | -0.001 | -0.002 | t | 8526 | DGYPVEYD NCAYICW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.043 | 0.042 | t | 54071 | RHNLSFDA SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 118279 | CAFTGPLR PFFSPGFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.011 | t | 27961 | IPNKKPGK KTTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.009 | t | 116745 | GSNKGAI GLMVGGV VIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.019 | 0.013 | 0.012 | t | 105682 | ARSLFGVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123620 | PPPGMRP GPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.011 | -0.017 | -0.02 | t | 31633 | KKMKVFC PRPTLFFP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0.002 | t | 18953 | GDDPLLGN | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | -0.003 | 0 | t | 50188 | PYVKRVKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.033 | -0.03 | -0.03 | t | 141074 | RHLEFEAR TLSP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.02 | -0.02 | -0.02 | t | 123210 | GAVQGPVP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.035 | 0.033 | 0.04 | t | 133634 | LSQDVCTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 95696 | PVSQFHIGQVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.009 | t | 119741 | AIFKSYGEIIVTHFPFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.009 | t | 119741 | AIFKSYGEIIVTHFPFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.012 | -0.01 | -0.009 | t | 119741 | AIFKSYGEIIVTHFPFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.011 | -0.008 | t | 21479 | GNNGHQTIINKTAHEIDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.032 | t | 151711 | RATHQE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132073 | SPGWQSLGSSQSRLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 124278 | HPLAPVPRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132926 | WGANTNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115311 | KHQGLPQEVLNENLLRFFVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 104993 | SWRSKYG WTA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79839 | GKDLKRP GSSPM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79839 | GKDLKRP GSSPM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79839 | GKDLKRP GSSPM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.019 | t | 135546 | DWEYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.045 | -0.04 | -0.042 | t | 79624 | PEEQVPQL IPPIIPRA G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.001 | 0.013 | 0.021 | t | 104581 | NKISEASR KGLRRDL DASRE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 98765 | EPDDLKQK ACESRCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.05 | t | 117520 | GSFSDADL AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.024 | -0.02 | t | 70266 | VPDGFKVS NS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 36760 | LIVTQTMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117043 | MISDYSTR PDRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117043 | MISDYSTR PDRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.007 | -0.007 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 140510 | TTTHFLAT KFYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0.003 | 0 | t | 104309 | TLPQPPCA HGQHYGH HHHQL | Homo sapiens |

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|---|------|---|---|------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 119048 | VSDYEMKL MDLDVEQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 119468 | ISGKQVTG EVIFQTPLI K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 108382 | GGVVIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 113742 | QDENPVV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 59922 | SNTFINNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 48093 | PKKPENK LKQPNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 13819 | EQELNFPH EVLDDAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 10801 | DWEDRY RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.016 | 0.021 | 0.02 | t | 46753 | PAASSCHN ASGKEAKV CTIS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.021 | 0.02 | t | 46753 | PAASSCHN ASGKEAKV CTIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.007 | 0.008 | t | 10810 | DWGSQHY DP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 105945 | LTHCGSGA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 141683 | KDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 100129 | HYKWLND PLAAW | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 52891 | QYDSNGT KLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7673 | DAVTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | -0.001 | t | 122153 | NASGLSRP SPSAH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 25250 | IADYNYKL PDDFMGC VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.031 | t | 131697 | TGTSSDVG GYNYVSW Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.034 | -0.031 | -0.03 | t | 7671 | DAVSRKK MDTKPTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0 | -0.002 | t | 120697 | KLLLDYTG KIWNPAD YGGIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.015 | 0.01 | 0.01 | t | 71297 | VTFDGGK M | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.02 | -0.012 | t | 114937 | RFPNATDK EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78301 | WHQQMS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 158609 | SFGTALW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 158609 | SFGTALW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 144670 | GREGYP DGGTSET NKCG | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111339 | GGANVAV VVSSEGW P | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110617 | GPTGARG PEGAQGS R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 134676 | GASSHQH SRRRQGW L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119638 | RWQQGN VF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 100779 | DLAHLT | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78232 | PHSNKSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 1784 | AHIRHHK MPVTNLR H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115517 | TMARHPH PHLSFMAI PPKKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.009 | -0.009 | t | 138166 | FHEFWPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.006 | -0.001 | 0 | t | 72324 | WDQKLW CRHFCVLA D | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | -0.001 | 0 | t | 72324 | WDQKLW CRHFCVLA D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.022 | t | 35401 | LEDPISRDL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.016 | -0.007 | 0 | t | 112759 | CSNNAITP GDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.032 | t | 118144 | SLCQSLRE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.009 | 0.02 | 0.02 | t | 18787 | GATFQVE VPGSQHID SQKKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.068 | 0.063 | 0.059 | t | 9679 | DPLVAEED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 119489 | LILFKDDYF AKKNEERK QNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.031 | 0.031 | t | 118139 | SIPWWSKL LTLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.009 | -0.01 | t | 65797 | TPVGLAVD TPWVEKES ALSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.009 | t | 48617 | PNDPNRN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.029 | 0.032 | t | 28375 | IRQLESIVD KLNRSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.021 | 0.029 | 0.032 | t | 28375 | IRQLESIVD KLNRSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.01 | t | 38169 | LNAMKGD LQSSLGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.033 | -0.032 | t | 49950 | PVRVAWS SPVQNCEP WIPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.02 | t | 138228 | QLDFEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | -0.003 | 0 | t | 50977 | QGVPESPF SRTGEGLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.018 | -0.02 | t | 135977 | PVSRVLAP HLTR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.058 | -0.057 | -0.06 | t | 60260 | SPSLPITM RFPARWRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.029 | t | 58371 | SHITSYPAY FW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.016 | -0.011 | -0.01 | t | 86822 | NKGKDKD VNAGTSG THT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 117069 | QRYYSTRP RAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 144670 | GREGYP DGGTSET NKCG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115791 | ILQWQVLS NT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78307 | WHSQLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133494 | ADNPIKW DRART | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 23791 | HFKDPQYP VWELTIRV WSEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.01 | t | 111344 | GIEQNFG L FYPNKQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | 0.002 | t | 49079 | PQQPFCQ QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.03 | t | 95478 | ISQRYQKF AL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 926 | AEGEFKTR RNTNYQD PAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.053 | 0.05 | 0.052 | t | 78938 | CAPGQNL CY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.019 | -0.029 | -0.03 | t | 8843 | DKAWLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.019 | -0.02 | t | 66653 | TTIMAK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.01 | t | 67932 | VDEKNM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.012 | t | 68996 | VIITFKSGA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.047 | -0.048 | t | 115870 | NKVTLKGG KVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | -0.003 | t | 102118 | THEDFRYD DVFEGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.047 | 0.047 | 0.05 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.023 | 0.022 | t | 78478 | PDSDPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.023 | 0.022 | t | 78478 | PDSDPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.013 | 0.01 | t | 79574 | IMNYTGN QQSRWGL GSPNCH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.008 | t | 118514 | MASAARL TMMWEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.001 | t | 122885 | QVAALTW VQTHIRGF GGDPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.002 | 0.006 | 0.012 | t | 47770 | PGVDIIEG PVKNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.016 | 0.019 | 0.018 | t | 47588 | PFVНКQF NYKDPVN GV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.009 | -0.01 | t | 25031 | HVDTSYEC DIPIGAGIC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115969 | SLPQNIPPL T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115355 | LLFCMENS AEPEQSLA CQCL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 92285 | AFNGGGDG VDT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.003 | 0 | 0 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149123 | TNPTQMA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 108105 | RRLPFGSS L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 108105 | RRLPFGSS L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 44684 | NLEDPASR DL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.02 | t | 123837 | VVGAVQG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 53337 | RDEVTFTV GLNSFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.007 | 0.01 | t | 13984 | ERESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0.001 | -0.001 | t | 64682 | TKTDVALA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78142 | EKEEPTAA PAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 62051 | SVASGGSG GSVASGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 72324 | WDQKLW CRHFCVLA D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.032 | t | 62993 | TASITSPLT TQNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.03 | -0.031 | t | 36312 | LGRWKAV EKSVAMK H | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.019 | 0.01 | 0.012 | t | 21469 | GNLLLSCL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 22491 | GSRTLGA KHPALQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.01 | -0.01 | -0.01 | t | 94475 | CNPACGR H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 94475 | CNPACGR H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 133739 | WDRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.027 | -0.039 | -0.046 | t | 20519 | GKATVLLG MVLSLMA LVVVW | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.013 | -0.02 | t | 118736 | AFQQGKIP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.03 | -0.022 | t | 114939 | RPICGTDG VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 108022 | LTNSNAPS ITVQGLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.019 | 0.021 | t | 103334 | LAKHSEHP TVDDEEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 148855 | QQQFPGQ QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133599 | HLQSMSS RWIEW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 104238 | SDWWDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134522 | RVRVSWSP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 87157 | NWVDAEG KTY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149085 | NPTQIRR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 124278 | HPLAPVPR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 135716 | LRSTKFTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 119515 | RKKKPPGL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.017 | -0.02 | t | 107087 | ARGLTGRP GDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 75391 | YPQPQFPF SQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.023 | -0.02 | t | 70370 | VPLYNRFS YIPNGALK FVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 149433 | QPLSQVSF QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.012 | t | 134131 | LEEAKTQG PYDVVVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 56610 | RYPGQGS PGGNRYP PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | -0.003 | t | 107427 | GRGDSVA YGLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.037 | -0.031 | -0.03 | t | 960 | AEHARDH TLRFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.037 | -0.031 | -0.03 | t | 960 | AEHARDH TLRFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.036 | -0.03 | t | 54190 | RILLFKPP K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.055 | -0.049 | -0.05 | t | 70421 | VPPLRVW RHRARSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 111458 | KLALSNGA IAQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 102153 | TQYTAYSP VPLL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.019 | t | 60758 | SRPIIHFGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.049 | -0.06 | -0.06 | t | 123279 | GYWKIRGLA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.009 | 0.006 | 0 | -0.001 | t | 32523 | KNITVTASV | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | 0.001 | 0 | t | 59192 | SLINTNGSWHIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112177 | KGLEWLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108608 | RGGIRRQSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 153388 | GKFKKIVKGTHHWWMLLTF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 125375 | DHTLFAASHNHR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 125375 | DHTLFAASHNHR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135714 | LNGKVDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.021 | t | 43159 | NAGVLTCSLSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.012 | -0.01 | t | 3400 | ANRAVKPTGSAAIGLSMAGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.031 | -0.021 | -0.02 | t | 42667 | MSSFLGKWKLSESHNFDVAM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.031 | -0.021 | -0.02 | t | 42667 | MSSFLGKWKLSESHNFDVAM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135445 | AKAAQFG | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | -0.003 | 0 | t | 20468 | GITVKKTN QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.01 | 0.01 | t | 16874 | FLRFLTIPP T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 107229 | RHEVTEM GQEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 114280 | CKWSVAH LC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.042 | 0.031 | 0.032 | t | 17402 | FPSDEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.001 | 0.004 | 0.011 | t | 4923 | ATDKEGK DVLVCNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.009 | 0.01 | t | 45222 | NNRDVPA SIDWREYG YVTE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.013 | 0.009 | 0.01 | t | 45222 | NNRDVPA SIDWREYG YVTE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.006 | -0.002 | t | 55787 | RRYTARLK EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.012 | t | 5586 | AVTRGTIN DPQRAKE ALDYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | 0 | 0 | t | 60663 | SRGAPGG GFVPSLQG VP | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 60663 | SRGAPGG GFVPSLQG VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | -0.001 | 0 | t | 50384 | QAVHAAH AEINE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 10801 | DWEDRYR RE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.02 | -0.021 | t | 75951 | YTASARGD LAHLTTTH AR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.02 | -0.021 | t | 75951 | YTASARGD LAHLTTTH AR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.013 | 0.01 | 0.009 | t | 56614 | RYPHYSLIK PESSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 50109 | PYIEQGVQ LAEQFKQK ALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.054 | -0.05 | -0.048 | t | 9657 | DPKHVCV DTRDIPKN AGCFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 53004 | QYLYGVGS SIASWAIK WEYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.018 | t | 132890 | QSPWQT WFTRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 147558 | CTGTQPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140914 | VLGHDEA AYSKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115568 | YPYYAKPA AVRSPAQI LQWQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105148 | DVAGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111154 | CMKNNMK QPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103347 | LFSRVEDV LGLPQNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 123437 | LKMWSDF LG | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 114880 | KTYGNKC NFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 122328 | EEYHLYKD GHLPSEFA LLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.046 | -0.047 | t | 110996 | RARPAKA AATQKKVE RKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.017 | 0.02 | t | 78762 | PLLPHVIFC HPGQLGA FLTNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141892 | FEEDKKML ELFVQKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.004 | -0.009 | t | 49016 | PQIPPPYV EPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.012 | 0.01 | t | 136004 | TTPEEIAQ VATI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 9038 | DLDANGIL NVSAEEKG TGKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132941 | WGSNVYN SPFHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.009 | -0.008 | t | 69833 | VLVLNPSV AATLGFGA YMSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.006 | 0.013 | 0.012 | t | 148652 | KKIKEYDE DYTITYYYD DD | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.01 | -0.021 | -0.02 | t | 88723 | SIYGLYDG TYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 153440 | PRLKNPPK KPKDDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.011 | t | 134253 | VFFSGYTF KHKMVYE DTLTL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.014 | -0.023 | -0.029 | t | 112724 | WHTQPAH VVTPM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 146910 | EYPDDASV NGVRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135753 | RVVGGED A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134245 | TSLSGIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 137544 | LNSHSIIYG CKGKGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.02 | 0.02 | t | 100557 | TKASGPAH SKEVPA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123106 | EALDAIRYL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 95998 | WDANKPY SWR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 50357 | QASNVFG GVFLNMA MREHDC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 8252 | DFDSVPQI HG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 106867 | SSCNATQR RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.028 | 0.03 | t | 33364 | KSKDLQSA P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 97049 | VKPTAPTK PT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.027 | 0.029 | t | 118450 | KGDKAQIE KRIQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.002 | t | 32841 | KPPTPPPE PET | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 140578 | LYFEDYRC EL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.028 | -0.037 | -0.032 | t | 130994 | PDQRPYC WHYPPKP C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.033 | -0.033 | -0.03 | t | 115402 | NNQFLPYP YYAKPAAV RSPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.018 | t | 79578 | IVCHTTATI PSSAVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 149423 | QEQVPLV QEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.05 | -0.05 | -0.05 | t | 123383 | KMWSDFL GK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.003 | 0.003 | -0.001 | t | 22619 | GTDGPCK VPISSVASL NDLT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | -0.003 | t | 107427 | GRGDSVA YGLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.022 | 0.02 | t | 50300 | QALDAH YDSVLKDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.021 | t | 135533 | AELSPA AKTGKRKRSQ M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 151665 | KIETELRDI CNDVLSLL EKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110767 | AKEEISFVA TFS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | -0.01 | t | 106535 | IFPSFLRPD PPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.011 | t | 119614 | LWDQTYG VPD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.017 | 0.01 | 0.008 | t | 132801 | ELYRQKVE PLRAELQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.005 | -0.01 | -0.011 | t | 156901 | KLHHNGS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.01 | -0.01 | -0.008 | t | 17132 | FNATKFPS VYAWERK KI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.031 | -0.04 | t | 119523 | SDYKSAHK GFKGVDA QGTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 128092 | RGFGGDP RRVSLAAD RGGAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131257 | RHFPNDY NPFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111170 | CSPLTHAIC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 48520 | PLVESWKR PDYQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142204 | KLEEQNKI SEASRKGL RRDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142204 | KLEEQNKI SEASRKGL RRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 49151 | PQWKLQP G | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 101554 | DPLAQQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.01 | t | 108003 | LHNHYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.003 | 0.003 | 0.01 | t | 108003 | LHNHYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 131141 | VRRLAME NNIKLSEV VGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141971 | NKPVTDN PVTDR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141971 | NKPVTDN PVTDR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.01 | 0.01 | 0.012 | t | 156941 | PTEKKHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.027 | 0.021 | t | 122861 | NALNSPLH QEYEENL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.026 | -0.033 | -0.04 | t | 119178 | GIMAPPP GMRPPM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.019 | -0.03 | -0.032 | t | 63855 | TGIDPRGK | MD |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.019 | -0.03 | -0.032 | t | 63855 | TGIDPRGK | MD |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.034 | 0.038 | t | 37300 | LLFSLGLS SSSSIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 110275 | GPVGPSD PSIVSLVEE TSFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 110275 | GPVGPSD PSIVSLVEE TSFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.026 | 0.04 | 0.043 | t | 47995 | PITEAAET ATTEVPVE KTEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142049 | VCKVDKD CGSGEHC V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142049 | VCKVDKD CGSGEHC V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | -0.001 | t | 52930 | QYIKANSK FIGITEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | -0.001 | t | 52930 | QYIKANSK FIGITEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | -0.001 | t | 52930 | QYIKANSK FIGITEL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.013 | 0.02 | 0.021 | t | 139948 | VYEKERN YATV | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.019 | -0.02 | t | 131037 | RHWTTQG CNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.01 | 0.008 | t | 139846 | PEWWLEE PPFISSGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.028 | 0.029 | 0.04 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.014 | -0.021 | -0.022 | t | 7381 | CYGVDPDH KVWDYAT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.009 | -0.01 | t | 52389 | QSNQRSA PRITFGGP TDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 75152 | YNGEYLIL SARDVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 67656 | VAKVNIKP LEDKILV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 75152 | YNGEYLIL SARDVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 4132 | ARDVLAV VSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.026 | -0.03 | t | 139565 | PEWKALT DMPQMR ME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.046 | -0.04 | -0.042 | t | 127811 | RVPRIPRD PRPPRPP | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.008 | t | 22871 | GTVAPQIP PNWHIPSI QD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.033 | 0.033 | 0.041 | t | 127638 | ELQMTPD SLIYS | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115435 | QEQNQEQ PIRCEKDE RFFSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140595 | RHEDGDW PRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103425 | MTAHTHD GTRTWRT G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 16354 | FKDKVLGL LQRASQQ EAEIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149411 | PQFEEIRN LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149086 | NPTQRPD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114949 | SKEHDGEC KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99919 | CVYDPRG HTGTTNQ RSPPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78715 | LATCPEHQ ITWDPIDG RVIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 47180 | PDREVLHR EFDEMEEC ASHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135788 | VSGWGRV F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115709 | DKIHPFAQ TQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 105801 | GAA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.02 | t | 78723 | LFQTPDSG PKTCTPSG EAPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.021 | 0.02 | t | 78723 | LFQTPDSG PKTCTPSG EAPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.004 | 0 | 0 | t | 30553 | KENYIYGT CYYTASDR TAFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.02 | t | 110614 | GPRGLPGE RGRTPGA GAAG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 133536 | CKPVENRA C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 118763 | CYGSFARP MN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.013 | -0.01 | t | 25315 | IAIGGAAT GIAAVLTD GNPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.013 | -0.01 | t | 25315 | IAIGGAAT GIAAVLTD GNPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.013 | -0.01 | -0.01 | t | 140940 | YRQKVEPL RAEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.011 | -0.017 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.02 | t | 46348 | NVDENAN A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | -0.003 | -0.002 | t | 98734 | DLEILLQK WE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.03 | 0.03 | t | 47641 | PGFGDNR KNQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 107860 | GHSYYISPE LKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 104295 | TAIRPAQV GYNTPYM NF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106770 | RER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 108295 | CKRDSTW C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.065 | 0.07 | 0.057 | 0.061 | t | 10990 | EAAKQGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.051 | t | 114223 | PFSRVVHL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.02 | t | 125842 | DPLIRGLLA RPAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134767 | QDPYVKE AENLKKYF NAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156875 | GHTSLR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.033 | 0.032 | t | 115649 | SPGKNAT GMEVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 102246 | YNNHALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134797 | SHQHSRR RQGWLKEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142428 | KAQKEATA AKLKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133630 | LPPGLHVF PLASNRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156904 | KPGDPRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156904 | KPGDPRH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156904 | KPGDPRH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103694 | VGNVGLST IAGRLLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.074 | -0.073 | -0.073 | -0.082 | t | 127881 | VPRLRPRH RHPQDPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.033 | 0.031 | t | 139499 | FGEFSFQY DCSSWGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 69175 | VKAETRLN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.021 | -0.02 | t | 12514 | EILVEFEEP HATKQS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 28074 | IPSTACTDI AWWRLPC HYG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.07 | 0.071 | 0.073 | t | 130916 | KEDFDIYD EDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 107482 | KGEPGLPG RGFPGF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.039 | -0.039 | -0.039 | t | 44140 | NHFVPQP PSRTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 149438 | QQPQQQY PSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 71162 | VSTQSAKN PPGATV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.039 | -0.04 | t | 49150 | PQVVMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.007 | 0.003 | t | 112314 | SGVPDRF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.042 | t | 135473 | KDRHDFG FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.001 | 0.001 | -0.002 | t | 36831 | LKEKHTDL GKEGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.014 | -0.01 | t | 118681 | YAKDVKFG ADARA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.008 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.024 | 0.023 | 0.021 | t | 105497 | RHDSGYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.04 | 0.04 | t | 12333 | EHGAMEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 117140 | DWEYSVW LSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.01 | -0.013 | -0.01 | t | 110922 | KQMDIKSI NDLQ | Macaca |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.043 | 0.05 | t | 141948 | LKPREEYQ PS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.043 | 0.043 | 0.05 | t | 141948 | LKPREEYQ PS | Sus crofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.037 | -0.04 | t | 21953 | GQRVEFLV QAWKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.033 | -0.037 | -0.04 | t | 21953 | GQRVEFLV QAWKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 122293 | CTYVLDPE NLTLKAPY EA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 122293 | CTYVLDPE NLTLKAPY EA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.001 | t | 125246 | RRQPHVM S | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 122083 | DPNIKLVL DDCWATS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 119048 | VSDYEMKL MDLDVEQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.001 | t | 114011 | VTTVTTHN NPTFTDPS VLQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.001 | t | 110855 | FNRAGTV GENVPDD LYIKGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 110980 | QPLGVGIS GHPLLNLK DDTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.001 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 100437 | QPNNKRN QLWRLRQ TAGN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 102510 | HHQKLVEF AEDVGSN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 110855 | FNRAGTV GENVPDD LYIKGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 65409 | TNRNPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 75441 | YPYDVDPY A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 65000 | TLPERVRP PDDWAT | Sus scrofa |

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|---|------|---|---|---|--------|---|---|-------|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 75791 | YSLFQKEK MVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 49928 | PVPAPRRK VGSDCGS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 49967 | PVSLGGDV PNS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 51958 | QPRKTKPV KSLPERK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 51775 | QNTRNIVP VSIVSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 48618 | PNDPNRN VD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 43246 | NANPNAN PNANPNA NP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 46899 | PAPRRKFQ QVKRL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 23511 | GYYYPSDP NTFYAPPY S | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.013 | 0 | 0 | 0.001 | t | 19096 | GDRADGQ PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 32571 | KNNNSTN SGI | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 10908 | DYKDDDD K | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.001 | t | 28085 | IPTGGIQR GGRGPCQ RQQRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 13438 | ENANANN AV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 10801 | DWEDRY RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 10227 | DSSAHGTP STPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 9694 | DPNANPN VDPNANP NV | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 9694 | DPNANPN VDPNANP NV | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.035 | 0.029 | 0.03 | t | 147288 | SKFQDTH NNAHYV FFEE | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0 | t | 44021 | NGKVNNK VAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.007 | -0.008 | t | 36982 | LKNTVDVV SV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.059 | t | 78456 | LQLISGLN DTSSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 119462 | HDENGAT GPVKRARE ETDKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115851 | LQDKIHPF AQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115382 | MHIRLSFN PTQLEEQC HI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 150251 | GNSIKPTG ASRTAIT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99782 | YDPRCVYD PRGHTGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103373 | LPGVSEHL KLNGKVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 127694 | IHKNSSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 77800 | RGCTFYGC WK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 7512 | DAGDHRA AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 7398 | CYKKVWR DHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 7401 | CYKKVWR DHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.027 | -0.03 | t | 74801 | YLLQKLRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 156933 | PLEKSHL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.026 | 0.009 | 0.006 | t | 135912 | EALVLDTN GLMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.013 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.033 | 0.032 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.048 | -0.053 | -0.05 | t | 50058 | PWYVWL GFIAGLIAI VM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.019 | -0.023 | -0.028 | t | 122206 | VISRSRV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 110651 | LCLIGCKPP IGEHWGK GSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.007 | -0.01 | t | 50525 | QDVKFPG GGQIVGG V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.007 | -0.01 | t | 50525 | QDVKFPG GGQIVGG V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.047 | -0.05 | -0.05 | t | 97431 | KTFSMGA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.03 | 0.031 | t | 123001 | AASE DPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.017 | 0.018 | t | 105977 | NHEQEFLR YQQQSRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.002 | t | 19033 | GDLQVLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.002 | t | 19033 | GDLQVLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.02 | t | 23801 | HFLSQNFF G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.009 | -0.01 | t | 138935 | YDQREPQ AWCRPNE NQSWT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127187 | TDAQRREL EKHSLSRVI C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.031 | t | 140701 | LNEDLRS WTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.001 | -0.01 | t | 119482 | KSVKPRQA T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141943 | LEKKETLG CDESESCV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 56751 | SAEGQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.044 | 0.049 | 0.051 | t | 9232 | DLPDYGDY GEDLFDY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 48596 | PNANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119585 | GQPREPQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119590 | HQDWLN GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103629 | TAALRAAE DDCPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.013 | 0.013 | 0.022 | t | 127560 | ADEWLVP EGPRD | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132827 | FSQILPSF DETMGR | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117118 | YPLHLNTD YSTR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99499 | NLNQHRS LSIP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 23298 | GWWEHD GQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 97294 | EVNDVRKF F | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 108400 | GPPRRLID T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 118762 | CYGSFAKP TN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.015 | -0.03 | -0.03 | t | 139863 | PYGAWWF | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.025 | -0.023 | -0.028 | t | 122904 | SNTRVFPN PNNKQAL Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142407 | DKTIAAAK KAKKARE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.036 | -0.038 | t | 107788 | DHEGTHST KRGHAKSR PVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 112537 | HLILAPSIR HAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158330 | TERPEGAN FATP | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 116943 | DFRDYSTR PFAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 142202 | KISEASRK GLRRDLDA SREA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.012 | t | 132029 | QLGPTCLS SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.01 | 0.009 | t | 100437 | QPNNKRN QLWRLQ TAGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | -0.003 | 0.001 | t | 5990 | CAISGGYP VC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.022 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.007 | -0.01 | t | 50170 | PYSLNWP DE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0.002 | t | 35310 | LDTNGGT GTAIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.006 | 0 | 0.002 | t | 35310 | LDTNGGT GTAIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.019 | -0.02 | t | 61139 | SSKLLPKM PGIPFI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.001 | 0 | 0 | t | 41416 | MENYFH WGPVTNQ SIQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.018 | t | 122734 | DSVPKWD RLPC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.02 | t | 111821 | TEETQTTI QRPRSEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.019 | 0.01 | 0.013 | t | 79284 | LDAVPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.02 | -0.02 | t | 118021 | MKCGMW GRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.066 | 0.057 | 0.062 | t | 7740 | DDAAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.02 | t | 122115 | IKGANDLA KFHQMLM KIIMK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.028 | 0.02 | 0.02 | t | 87988 | RLFAQPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 153357 | ACWYSTR DHC GGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 51921 | QPQQPFP LQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149121 | THANSTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135576 | LRYSTGTV SG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110603 | GLPGARGL TGRPGDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 107890 | HRLAFGQ NT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115900 | PQRDMPI QAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115255 | FQINNKIW CK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 95681 | PQYLKTVY QH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 97240 | DFRNEFD HLLIEQAN H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 111310 | GDWIRRN VVAYWPS V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.021 | 0.003 | -0.002 | t | 153856 | MFQDPQE R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 106483 | GSRSRTPS LPTPTRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.049 | -0.043 | -0.051 | t | 125578 | TLAWGLLL MILHPDV QRRVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.012 | t | 118385 | GMTSNGFI ADPDDRG ML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.018 | -0.011 | -0.009 | t | 2040 | AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.006 | 0 | t | 65834 | TQDNVEG VLREMAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 6737 | CNWTRGE R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.01 | -0.01 | -0.01 | t | 6737 | CNWTRGE R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 6737 | CNWTRGE R | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.021 | t | 138456 | KEQFEFAL TAVAEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | 0 | t | 65476 | TNVGLKIR QLLW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | 0 | t | 40921 | LYREALESP EHC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | 0 | t | 39172 | LRQAILCW GELM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | 0 | t | 14230 | ESPEHCSP HHTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.002 | 0 | t | 16114 | FHISCLTFG RET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 133497 | AEPFYSW DRASR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 144042 | QEPLMGT VPIRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.008 | -0.01 | t | 70816 | VRRRGDS RGSLLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.009 | 0.01 | t | 19895 | GGKFLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.019 | -0.02 | t | 83498 | IHPTILCVY G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.012 | -0.019 | -0.02 | t | 83498 | IHPTILCVY G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.02 | t | 922 | AEGEFDYA WDQTHQ DPAK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.02 | 0.02 | t | 129414 | MLPSVLD | MD |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79830 | FMQQRPL RMFLGPK QLT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.08 | -0.07 | -0.07 | t | 140939 | YNIALGQR RADA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.003 | -0.01 | -0.01 | t | 130622 | TGLVAQG TDSIG | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.02 | -0.013 | t | 115672 | AAVRSPA QIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | t | 66759 | TTPDRQA AC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.066 | -0.067 | -0.07 | t | 21101 | GLRFRER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.028 | -0.03 | -0.03 | t | 42475 | MRKTKLA PTVAHG V F | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.069 | 0.072 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.019 | -0.02 | t | 22133 | GRLITVNP | MD |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.033 | 0.032 | t | 98940 | PQPGPQP PQPPQP P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 69863 | VLVEAFDE MEECASR AALLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 69862 | VLVEAFDE MEECASR AALIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.057 | 0.05 | 0.05 | t | 117288 | FGDFNLPR DKFLKEQI KLDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.057 | 0.05 | 0.05 | t | 117288 | FGDFNLPR DKFLKEQI KLDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 84003 | ITGPGTNN PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115599 | DEGGFTCF FRDH | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115599 | DEGGFTCF FRDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 20464 | GITQGIVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 149927 | SDYHKNLI NNAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149114 | STPRLPD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41341 | MEECSQA RPYIEQAQ VIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 48827 | PPLPHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 33850 | KTRTHTNA T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 33850 | KTRTHTNA T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149081 | NPNQTRM | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 140612 | VPVCDWE LNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103125 | DVVQHVA RRPGESPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 105801 | GAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 79297 | LQKVHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.02 | -0.017 | -0.01 | t | 131819 | AKEERRYL RDER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.007 | 0.008 | t | 63409 | TEISLKDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13498 | ENKFLENQ VKERNVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.001 | 0 | t | 29108 | ITTDNTFV SGNCDVVI G | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.017 | -0.018 | t | 133871 | LAKLGGAG QAARAGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130559 | NAHYVVF EEQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 149411 | PQFEEIRN LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.044 | -0.039 | -0.038 | t | 17639 | FRRLGAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 150978 | EKNVTVTH SVNLLED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.008 | t | 7533 | DAHHAAD AHHATDA HHA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 97221 | AVMVQKV KEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.004 | 0.007 | 0.011 | t | 74436 | YKDGTLTP LSTKDLTTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.009 | -0.01 | t | 39089 | LRFTSARR METTVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.015 | -0.009 | -0.01 | t | 39089 | LRFTSARR METTVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.012 | t | 134199 | PVQCSR DVVICP DTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.022 | -0.023 | t | 98824 | IIAEKTKIP A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 45251 | NNSSNIAS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.001 | 0 | t | 72549 | WHRHWP SHPTQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.03 | t | 45291 | NNYNNNA KNVNDMY RDGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.029 | t | 24970 | HTRVTGG VQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.002 | t | 118327 | EKKDRVTD ALNAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.021 | 0.028 | 0.022 | t | 141934 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134797 | SHQHSRR RQGWLKEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134799 | SRKPEAPR RRSPSPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149102 | SGPNATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141753 | SSNDTKA WGFAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149091 | NSTQMRI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115179 | ALPMHIRL SFNPTQLE EQCH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103649 | TGNMISN QAKYVSDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 153257 | FNPNKDT WPDANKV G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 120977 | TDIDLVEH KE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.008 | -0.019 | -0.022 | t | 32776 | KPKTNMK HMA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.007 | 0.002 | t | 125108 | KILGNQGS FLTGPSK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.052 | -0.047 | -0.047 | t | 96170 | DEDSYERD P | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 31827 | KLESHKFD | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.02 | -0.02 | t | 8575 | DHTLRFGS KSPF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.022 | -0.02 | -0.02 | t | 8575 | DHTLRFGS KSPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 99975 | EEKELLKRI Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 96127 | AVNVPKV TKEKPTPP VKPT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 99483 | NALFVAHY NTNAHSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.049 | -0.05 | t | 25592 | IDIISGAH WGVMFG LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.049 | -0.05 | t | 25592 | IDIISGAH WGVMFG LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.049 | -0.05 | t | 25592 | IDIISGAH WGVMFG LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 915 | AEGDDPA KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.025 | -0.023 | -0.02 | t | 134242 | TSASIGTLC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.04 | t | 6941 | CRRVASFLI RGSAQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.021 | t | 122200 | TQQNAAL NRDLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.007 | 0.011 | t | 39349 | LSFNPTQL EEQCHI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 36426 | LHSTSPEG NPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.07 | 0.057 | 0.05 | t | 141655 | GESKEQVA NSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.032 | t | 131652 | SFDSSNPE YFDGYWGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.011 | 0.01 | 0.01 | t | 72630 | WIKKPNR QGLG | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.017 | -0.02 | t | 20458 | GITGRTFIR MARPTED VGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.027 | -0.021 | t | 135451 | CLGKAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.028 | 0.017 | 0.02 | t | 112316 | SIKNPTNA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.007 | -0.01 | t | 52090 | QQPFSQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 50108 | PYIEQGM QLAEQLK QKALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.01 | t | 157813 | QRRQQEE RER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.002 | t | 46841 | PAKLLKER GFFGAIAG FLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | -0.001 | t | 40619 | LVTVNPV SVATANS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.004 | 0.01 | 0.01 | t | 54848 | RMADAVS RKKMDTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.033 | 0.041 | 0.044 | t | 137859 | FTPGTEYT VEVR | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.022 | t | 57638 | SESVEFTK DTQTGMSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.007 | 0.01 | t | 4132 | ARDVLAV VSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.019 | t | 138758 | AMVYLGA KDSTRTQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99100 | AIVTVRGG LRILSPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78301 | WHQQMS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78399 | GLLNDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149731 | GVSDYHK NLINN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 122202 | TSPPLLWD SVHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 122202 | TSPPLLWD SVHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99581 | QPRREEG GRWGPA P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114904 | NISKEHDG EC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115343 | LEIVPNSAE ERLHSMKE GIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103260 | HRSDGSG DTFLFTQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 66939 | TVAHATRR FTNLLTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112537 | HLILAPSIR HAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 40021 | LTLNWPG DM | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.03 | -0.03 | t | 107083 | AKDVKFG ADARALM L | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.019 | -0.02 | t | 84160 | KAGKNYIG YS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.01 | -0.013 | -0.01 | t | 78315 | WQTFYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.061 | t | 99945 | DIRDSLSEE E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 74035 | YGLFHKEK MIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.055 | -0.06 | -0.061 | t | 95040 | SHRPREAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.011 | -0.009 | t | 34912 | LAPRVAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | -0.001 | t | 122452 | KTTKQSF LSVKAQYK KNKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.004 | -0.001 | t | 122452 | KTTKQSF LSVKAQYK KNKH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | -0.001 | t | 122406 | IEIGLEGK FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.019 | -0.02 | t | 67697 | VANNTRL WVYCGNG TPNELG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | -0.002 | 0 | t | 67732 | VARDDKG RRYYLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 141760 | TAPPLPH | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.011 | 0.009 | t | 45122 | NNHVSIVE AWSNDT PYLHD | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.003 | 0 | 0 | t | 13243 | ELQVIDKV DAAFKVA ATAAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.003 | 0 | 0 | t | 13243 | ELQVIDKV DAAFKVA ATAAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.011 | 0.019 | 0.02 | t | 23156 | GVSTANA TVYMIDSV LMPPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 49961 | PVSGPFGP LPSLAFA VPAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 97370 | GTVLVTRK AL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0 | t | 32062 | KLNWFKK GSSIGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.011 | t | 65300 | TNDKFTVF ESAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0 | t | 44915 | NLVILPGQ DLQYVLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.005 | 0 | 0 | t | 15911 | FFTEEFKRK NKGKNLAS SHR | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144660 | GREGYPA DGGASAS ASAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137797 | ADYWAGE LGQSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127681 | HFHRPTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101918 | NENNGGC DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112897 | AATGAAT AAA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115875 | NTIASGEP TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111171 | CSSGPIAP C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78239 | PHTQTLHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132927 | WGANVPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79313 | NCGSRTQ YCKSRCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.017 | -0.01 | t | 122486 | MILHPDV QRRVQQEI DDVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.011 | 0.001 | 0 | t | 58366 | SHIECRKPY KELRLEVG KQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 57541 | SELSQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 56610 | RYPGQGS PGGNRYP PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 19868 | GGGWGQ PHGGGW GQPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.001 | t | 19868 | GGGWGQ PHGGGW GQPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.02 | t | 149410 | PLVQEQQ FQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.027 | 0.03 | 0.03 | t | 46379 | NVFQTQA GCLIGAEH VD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.015 | -0.003 | 0.002 | t | 48618 | PNDPNRN VD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.009 | t | 122659 | YTSLHGYF VFGPTGC NLEGF | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.011 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.021 | t | 100777 | DIDFLIEEIE RLGQDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.018 | t | 115892 | PNGYKVSR PSQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.031 | t | 153396 | HSFEPWS ARDMLGG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.002 | t | 32901 | KPTKKPTF KTTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.02 | t | 75494 | YQGVQQK WD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10753 | DVTRIESD SKVIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.019 | 0.022 | t | 132064 | SLLGQLSG QV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.056 | 0.04 | 0.04 | t | 110421 | SFVSLVEET AFID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.019 | t | 114197 | DHARHGF LPRHRDTG IL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.03 | t | 66219 | TSGITGDN TTSSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.019 | t | 131437 | GASVKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.018 | t | 35060 | LCKDKKAD SGYCYWV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.011 | 0.01 | t | 32782 | KPLDERA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.01 | 0.006 | t | 146012 | SSPSTPLLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.057 | 0.05 | 0.053 | t | 57531 | SELPQWD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 96020 | YLKTVYQH QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 110593 | GFPGPRG PPGPQGA T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 46317 | NTWTTCC SIAFPSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 24786 | HSLGKWL GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 24786 | HSLGKWL GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 18705 | GANSNNP DW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | -0.003 | 0 | t | 14905 | EVWREEA YHAADIKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.04 | -0.042 | t | 132742 | WRKNIDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 134702 | KEKKYS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 136420 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 138191 | HPTWSSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 138456 | KEQFEFAL TAVAEV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 139305 | TAAQITQR KWEAARE AEQRR | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 141105 | WEISQASH YFERHLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 119331 | RTVLVSM NYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 130485 | EVVTGSPR GDSQSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 123282 | HACQKKLL KFEALQQE EGEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 122048 | YCEIIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 124008 | DGVVLVD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 118336 | ERADLIAYL KKATNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 119187 | GNAEVHA SFFDIGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 121858 | SKLIKIFQD HPLQKTYN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 120615 | IGTVSVFA GRLIELSQEG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 119642 | SEHETRLV ANLLENYN KVIR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | 0 | 0.001 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 130488 | FDIYDEDE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 131576 | NSRQTDR EDELI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 107662 | VLTVLHQN WL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 108834 | CKPISGHN SLFWYRQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 113942 | TQDENPV VHF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 102384 | EFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 105021 | VHHQKLV FFAEDVGS NK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 108003 | LHNHYT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0.001 | t | 99232 | EVHHQKL VFFAEDVG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108630 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 113942 | TQDENPV VHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 112603 | MIAATYNF AVLKLMG RGTKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 107814 | EGLHNHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 114226 | QKSHGRT QDENPVV HF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 108213 | WQQGNV F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 107479 | KFNWYVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 107949 | KSLSLSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 110949 | NAEKVLEK LGYA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 113942 | TQDENPV VHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 107784 | DGSFFLY | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108624 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 113942 | TQDENPV VHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 74226 | YIIDHVDQ HNATEIC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 96216 | EEEEGLKKS ADTLWN MQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 95051 | YSQFEKSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 62715 | SYSYNKDN NELSHFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 74689 | YLGYLEQL LRLKKYKV PQLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 95040 | SHRPREAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 95043 | SPHQVYN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 70444 | VPQLEIVP NSAEERLH SMKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.001 | t | 67701 | VAPAADA PQGFYVLE NDYSA | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 96228 | EGLLKLL DTLENML K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 95032 | PAGTGDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 68322 | VEQKHIQK EDVPSE RGLYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 62715 | SYSYNKDN NELSHFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 72113 | VYNKTISG SGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 63037 | TAVSP TTLR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 39092 | LRGDLQVL AQKVARTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 55924 | RSQDACIE FVQQEVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 42475 | MRKTKLA PTVAHGV F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 54057 | RHKQKIVA PVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 57743 | SFDVPSKQ PTIDIDL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 57743 | SFDVPSKQ PTIDIDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 51233 | QKPLK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 57504 | SEKSEEIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43946 | NFVPTSVT EGRTDIT TM | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 39788 | LTAELKIYS VIQAEINK HL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 39788 | LTAELKIYS VIQAEINK HL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 42475 | MRKTKLA PTVAHGV F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 36958 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 39092 | LRGDLQVL AQKVARTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 56022 | RTCAHPGE H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 52016 | QQEVDYII DHVDQHN | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 43730 | NEREDERT LTKEYEDIV LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 37627 | LLNQATAR FPDCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0.001 | t | 42475 | MRKTKLA PTVAHGV F | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 42475 | MRKTKLA PTVAHGV F | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 42475 | MRKTKLA PTVAHGV F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 45990 | NSSSFNTT QGWHHPS QRLLF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 58382 | SHLQLIYNL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 52016 | QQEVDYII DHVDQHN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 46179 | NTMDVIK KMLADQT V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 31383 | KIPDPPQP DFPQLNSD WVPS | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 24037 | HIDSQKKA IERMK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 36940 | LKLKSIVS WAKKVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 26829 | IKKMLAD QTVEEHIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 24814 | HSMKEGI HAQQKEP MIGVNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 28537 | ISIKYDPRK DSEVFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 28537 | ISIKYDPRK DSEVFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 36940 | LKLKSIVS WAKKVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 25587 | IDIDLCDIC TNTMDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 28676 | ISQAVHAA HAEINEAG R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 21625 | GPFYTSAP Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 23947 | HGRVGIYF GMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.001 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 34806 | LAHLTTTH ARHLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 26341 | IGVNQELA YFYPELFR QFYQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 25140 | HWSYGLR PG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 32524 | KNKDLAD K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.001 | t | 6139 | CDSSDRPR VYTIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 8756 | DIPNPIGSE NSEKTTM PLW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 6412 | CIEFVQQE VDYIIDH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 7171 | CTKPTDG NC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 5558 | AVTFASFD VPSKQPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.001 | t | 4149 | ARGSLAVT I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 757 | ADQTVEE HIGYLVKY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 8132 | DEQFIPK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.048 | -0.04 | -0.038 | t | 43747 | NESKYSNT FINNAYN MSIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 27674 | INKRKYDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.009 | -0.01 | t | 968 | AEHQFKEK V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0 | 0 | t | 123840 | WAASFGA GD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.008 | 0.01 | t | 4911 | ATCMQAD LEVMTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.01 | t | 22717 | GTIVIRVQ YEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0 | t | 73311 | YAAANPT GPASVQG MSQDPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.059 | -0.06 | t | 82048 | FGKLRVGR LNSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0 | -0.002 | t | 8273 | DFGSLAPR VA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0 | -0.002 | t | 8273 | DFGSLAPR VA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | 0.001 | t | 71506 | VTSTLTSLF RPGASQKI QL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.03 | t | 46375 | NVFFLLLFS LTHFPLAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.038 | t | 117495 | ERDRKREK RKPKS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 97326 | GEGQFND AE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.009 | t | 131656 | SGKLEEFV Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78301 | WHQQMS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123273 | GTSVSHVD F | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156864 | EPNPTRL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.022 | 0.023 | 0.02 | t | 57506 | SEKSKCEE NTMFQPY | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.011 | t | 118271 | ARALMLQ GVDLLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.005 | -0.013 | -0.012 | t | 75481 | YQEPVLGP VR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.001 | t | 106603 | LFPPSSEEL QANKATL V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | -0.001 | t | 103172 | FHDHKTA NQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151715 | RIMNVIGE PIDERGPIK T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.023 | 0.02 | 0.02 | t | 46489 | NVSVPSST STPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.013 | 0.013 | t | 118776 | EADYFEYH QEGGPDG EPDVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 151662 | KFSPLTAN LMNLLAE NGRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.001 | 0 | t | 56283 | RVFEVGV RNPGLGA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123136 | EKRKPKSQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.037 | 0.04 | t | 103901 | FNKSYYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0 | -0.004 | t | 14917 | EVVSYLRYT GTPIPDNP NDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 63096 | TCRNMWS GT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.026 | -0.02 | -0.02 | t | 35235 | LDNIKGNV GKMEDIYK KNNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 153426 | MSKHKNQ RTARTLEK TWD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.01 | 0.01 | t | 153426 | MSKHKNQ RTARTLEK TWD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.01 | 0.01 | t | 122733 | DSKPTIISR AN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.002 | t | 130518 | ITQSTQSF NDFTRVV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.002 | t | 43233 | NANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.002 | t | 40111 | LTPLEELYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.002 | t | 9524 | DNPASTT NKDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.02 | -0.02 | -0.022 | t | 136631 | SHDGASSK IRPA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.019 | -0.022 | t | 19696 | GGDDPDH DPDHPHD L | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149432 | QPISQQQ QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103462 | PDRSAERC GSPAIDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114762 | DCTAEDRP LC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 86153 | MANTGA MELV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 41331 | MEECASR AALLEEGQ RIAEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 33847 | KTRRNTNY Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 22444 | GSPLRQRR S | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 123075 | DFLGKNPY L | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119516 | RKLAHPGT S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.019 | t | 18970 | GDEVRLA NDLKAFLD SEYG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.019 | t | 18970 | GDEVRLA NDLKAFLD SEYG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123373 | KITQNN MKI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.03 | -0.021 | -0.02 | t | 70621 | VQPDGGQ PAVRNER A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.003 | -0.003 | 0 | t | 115404 | NQEQPIRC EKDERFFS DKIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.011 | 0.01 | t | 54408 | RKPLVSFK EDPTPSDN PFSK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.03 | t | 78657 | FVHAKKKE EGEDDTA RQEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.023 | -0.029 | t | 135930 | GDKVSFFC KNKEKKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.007 | 0.002 | t | 130868 | GQSYPPRP DTSLHVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.018 | 0.033 | 0.042 | t | 144623 | EEAEGTTD AQIDANRK RESE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130916 | KEDFDIYD EDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 10127 | DSGERLM QPTQMSA Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.003 | t | 115381 | MGLLECC ARCLVGAP F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.034 | -0.031 | -0.034 | t | 75802 | YSLRLTPRP VSRFLGNN SIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.027 | 0.03 | 0.032 | t | 76395 | YVRFDLEL TFVITST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.034 | 0.039 | 0.04 | t | 530 | AAYIKLETK GSDPDTSF LEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156874 | GHFPPTPI KTLA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.017 | -0.01 | t | 122197 | TDVVFNSK GIGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.049 | 0.043 | 0.041 | t | 8076 | DEKLDQM EED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | -0.003 | 0.003 | t | 110828 | EIDGPAGQ AEPDRAH YNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.02 | -0.02 | -0.02 | t | 67139 | TVSAGDG RGTPIAFQ AEVSK | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.04 | 0.04 | 0.04 | t | 100135 | IEVDNEQP TTRAQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.018 | -0.02 | t | 58951 | SKTRAIDA CPLDYSILC RMY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133296 | PYGQWAG RNAYNETHK LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115497 | SSNICNISC D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115179 | ALPMHIRL SFNPTQLE EQCH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79142 | ACDPSTV MVPWPCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 40017 | LTLNHASS G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 22093 | GRIILSGRP VIVPDREV LYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 123726 | RYIADKHG M | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.023 | t | 11033 | EAESISSE EIVPNSVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.007 | 0 | 0.001 | t | 105747 | EEVVRVPT TAASTPDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0.004 | -0.002 | t | 36831 | LKEKHTDL GKEGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | -0.01 | -0.002 | t | 105975 | NGIEETICT ASFKKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.03 | 0.018 | 0.017 | t | 157463 | KKETLICS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.007 | 0.011 | t | 31580 | KKIQDCYV ENGLIS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.005 | -0.01 | -0.01 | t | 72488 | WGPFQYA AG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 266 | AALANSLS LGPQQKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 266 | AALANSLS LGPQQKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.018 | t | 76310 | YVKGGGA VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.03 | 0.033 | 0.032 | t | 130607 | SHNLVSSA FPSA | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.022 | t | 51763 | QNSGNQS FEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.022 | t | 51763 | QNSGNQS FEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.003 | -0.01 | t | 122842 | LLDLPRDL GGMGCSS PPCE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.02 | t | 72940 | WPKD TDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.018 | -0.021 | -0.03 | -0.033 | t | 110213 | EGHLIDLK RV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0 | t | 54233 | RIREFMEK ECPFIK | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.083 | 0.08 | 0.08 | t | 110317 | LFEETSFID AGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.068 | 0.063 | 0.059 | t | 9679 | DPLVAEED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.021 | t | 144807 | VFSYIPWS EDKGEITA CGIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116937 | DDHSTRC WVS | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.011 | 0.01 | t | 61840 | STPSTPAD SSAHSTPS TPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149364 | LGGPSGSA ALKAAVD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0.001 | t | 119322 | QRVFKEKV DTKAPEPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 123075 | DFLGKNPY L | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 108500 | KKGKKKDP NAPKRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115887 | PHPHLSF MAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 45005 | NMMNYI MDPRTH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 45005 | NMMNYI MDPRTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 45005 | NMMNYI MDPRTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 45005 | NMMNYI MDPRTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 45005 | NMMNYI MDPRTH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.018 | t | 132763 | YMASLQM RGNPGSH F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.036 | 0.033 | 0.039 | t | 144699 | KASITEIKA DKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 54393 | RKLWCHH FC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.01 | 0.017 | 0.021 | t | 68707 | VGLDAFSA DELKKLKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.007 | -0.004 | t | 125136 | LGSISESRR ALQDSQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.082 | 0.084 | 0.08 | 0.079 | t | 133671 | QVLTANPS SQSSP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.017 | 0.022 | t | 95547 | LEKFDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.009 | 0.008 | t | 75426 | YPVEYDNC AYICWNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.017 | 0.013 | t | 135547 | DWEYSVW SLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.017 | -0.02 | t | 95977 | VPNLRGDL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 22015 | GREGYP ASKGCKIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 21059 | GLPDSVKI WTSETNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.03 | t | 127962 | ENYKEFSE LLPNRQGL KKAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.027 | 0.03 | t | 6067 | CCNLEPEA RKVISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110892 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110893 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110890 | HSTKRGH AKSRPVRG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110892 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110891 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110893 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110893 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110892 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 109348 | IPVDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.008 | -0.001 | 0.002 | t | 65766 | TPSKYGLG GDILFGWE RTRE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.021 | t | 144702 | KGCKITCF GGGLPDS VKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.01 | -0.01 | -0.009 | t | 61635 | STGPCR | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.013 | 0.011 | t | 75031 | YLYLSRT NTPSGTTT QSRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.059 | -0.052 | t | 131052 | RRRMMM QSGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 69898 | VLYREF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123032 | APPSHEKK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.01 | t | 95324 | DQCSNGG LDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.024 | t | 108088 | RAAPFGN QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 120633 | INSEQSKE VY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111570 | MRPDNAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121740 | QCSLAITIRPWMLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121740 | QCSLAITIRPWMLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 92781 | GDDIFVHRKG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 51146 | QIVGGVYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 157020 | AAAAASSPSIAP | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.01 | t | 428 | AASEALDPHAFHLLNTYGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.044 | -0.033 | -0.03 | t | 132803 | ETMGREPQVAWTVIV | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 112206 | LIYWAST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 85207 | LGNGLKAIWQVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.021 | -0.02 | t | 85207 | LGNGLKAIWQVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.045 | -0.04 | -0.041 | t | 79624 | PEEQVPQLIPPPIIPRAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 56185 | RTTADRQTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.02 | t | 107986 | LAGQRGIV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 108523 | LKAGEGNKIGPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.005 | 0 | 0.002 | t | 66462 | TSTGPCKTCTTPAQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.012 | -0.013 | -0.011 | t | 99383 | KKNPQLQ DLDMMLT C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0.002 | t | 43246 | NANPNAN PNANPNA NP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.03 | t | 21719 | GPPAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.001 | -0.001 | 0.001 | t | 137944 | PGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 98978 | RCLQSCQ QEPDDLK QKACES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.007 | 0.008 | t | 136698 | TTRGKRKR VDVEES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135497 | RYPNQVYY RPM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.019 | 0.022 | t | 22563 | GSVNSFFS RLNWL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.028 | 0.019 | 0.02 | t | 24973 | HTSLGHED T | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.007 | -0.01 | t | 136015 | YHVYEVNL VSEH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.028 | t | 107668 | VSETLK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.04 | -0.04 | t | 153500 | WSWQPPL FPTNP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.01 | -0.01 | -0.01 | t | 19862 | GGGTHNQ WNKPSKP KTNLKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.009 | -0.01 | t | 7812 | DDKLRME TCFQQAC K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123641 | PVVGAVQ G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134205 | QRGNQIM SDKRNVIL FSVFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103744 | YDREKLQE RLAKLAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115416 | PIVLNPW DQVKRNA VPITPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113753 | QGQQPG QGQHGGQ QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115476 | SAEERLHS MKEGIHA QQKEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 79815 | EVMLRAV FMQQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 63824 | TGFSKHN NMGSQQ KV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 8164 | DESERM RVLENRSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0.001 | t | 135546 | DWEYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 121733 | QCALAIW NDRKVL PY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79314 | NCKSVRSG VIERCW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 137745 | DTPLTTAA LALV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.004 | 0.01 | t | 3274 | ANETIYNT TLKYGDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 144654 | GPHPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.022 | t | 45192 | NNNNEEP SD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.025 | 0.013 | 0.009 | t | 96370 | IAAQKPKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.01 | t | 37793 | LLSHSNLD HI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.039 | -0.03 | t | 119475 | KKIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 108215 | WVAMHP QGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 23464 | GYSLFQKE MKTHNEG TSGTA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135459 | GACLGKAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.023 | t | 106548 | IVYTPHPEY LWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.011 | 0.01 | 0.01 | t | 32168 | KLSLESNG GAKFDTK GSAKT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.021 | 0.017 | 0.021 | t | 99764 | VNTPGQF EDFFPASS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.029 | -0.029 | t | 2691 | ALLDPRVR GLYFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.012 | t | 69946 | VMFDFAS G | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.013 | -0.012 | t | 106008 | PREQARQ LKNNNPFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.03 | -0.031 | -0.03 | t | 62971 | TAQRCDH S | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.057 | -0.05 | -0.048 | t | 107193 | LADAVAVT MGPKGRT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.012 | -0.01 | t | 148992 | YIPPHCSTT I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 116164 | RTPPPSG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.06 | -0.05 | -0.051 | t | 111359 | GPAGQAE PDRAHYNI VTFCC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.06 | -0.05 | -0.051 | t | 111359 | GPAGQAE PDRAHYNI VTFCC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 12951 | ELAPEDPE DS | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.018 | -0.02 | t | 73595 | YDTRCFDS T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.04 | -0.038 | t | 107346 | ERMFRK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.01 | t | 47478 | PFAECSNP TRLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.026 | 0.03 | 0.03 | t | 122090 | ESPQEISK HQALG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 153885 | SEEEDEID GPAGQAE PDRAH | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111759 | SASHPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78067 | VVSPTGLS KHAP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|-------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103112 | DPRYNQLL GPLPFRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112857 | VDHQHPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 113660 | NIPLVSGP DIPINITDQ APS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78554 | VMRQEC WWWPCN DLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 39489 | LSLNWGSS A | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 127629 | DRWSSLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.019 | -0.02 | t | 62484 | SWNSVDI WHMSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | -0.001 | 0.003 | 0 | t | 48494 | PLTASPPA TAPGPSAA NVSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.016 | 0.01 | 0.01 | t | 49000 | PQGGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 61791 | STNPKPQR KTKRNTNR RPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 78875 | VLHSDYCI VPNKGGT SIGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 78875 | VLHSDYCI VPNKGGT SIGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78875 | VLHSDYCI VPNKGGT SIGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.008 | t | 10803 | DWEDRY RENMYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.019 | 0.012 | t | 130996 | PEMGDQA HMPYT TA VIHEVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.012 | t | 23372 | GYIWIQRN TG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.001 | -0.01 | -0.012 | t | 53839 | RGDLQVL AQK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.001 | -0.01 | -0.012 | t | 53839 | RGDLQVL AQK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 134988 | GPPGARG LTGRPGDA GPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 134988 | GPPGARG LTGRPGDA GPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 68401 | VEVPGSQ HIDSQKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 69178 | VKAETRLN PDLQPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 68401 | VEVPGSQ HIDSQKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9524 | DNPASTT NKDK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131299 | ISPNTTYP SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.029 | -0.029 | t | 133835 | GDCFFGFL NSPWRVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.019 | t | 151609 | DETPMRG ETRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.02 | -0.02 | -0.02 | t | 123136 | EKRKPKSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 6141 | CDTATRTY SVQVRGS MDYVS | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 144697 | IYRNLYWEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.057 | 0.053 | 0.06 | t | 128140 | VPESMREERYKEQQSAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.02 | t | 4217 | ARQAIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 149740 | HDTSETKGLTDT | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.007 | -0.01 | t | 38386 | LPAAAAATPGAGHTNTSSAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.007 | -0.01 | t | 38386 | LPAAAAATPGAGHTNTSSAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.052 | 0.06 | 0.063 | t | 125236 | RIEKDTDRDNFMSAEAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153354 | ACWHPLQWRCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135947 | KTGHPRYFNQLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149103 | SGPNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 122588 | SRIDRIRLNPVSPIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103480 | PILGAPWLADLVRRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79655 | TASFHRN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7201 | CTQSLAGLFRPGASQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 106602 | LEYNPWPWRNLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115606 | GEGKVTLRIRNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115606 | GEGKVTLRIRNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 114850 | HDGGCRKELA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.02 | t | 11692 | EEINTLQN | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 52086 | QQPFPQQPQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.051 | -0.05 | -0.05 | t | 94741 | WEQWW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.03 | t | 95351 | EKNRLNFLKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.017 | 0.01 | 0.01 | t | 30560 | KEPGGEVV DVEKRGP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0.001 | t | 123559 | NSKQAERE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.019 | t | 5853 | AYKSAEGA TPEAKYDD YVAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.01 | t | 134006 | ALRMEVL GCEAQDLY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.06 | 0.053 | 0.058 | t | 118902 | LVFEAPNQ EKVS DY E | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 136719 | VIKHMRF HADYQAP FLGGGY | Aotus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.039 | t | 151006 | KLRGVAPL HLGKC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.04 | 0.037 | 0.04 | t | 67208 | TVVTT SVA EE GEEENQ RGCE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 70387 | VPNLRGDL QV | Cavia porcellus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 70387 | VPNLRGDL QV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.009 | -0.01 | t | 53666 | REVLREF D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 81565 | EIPALTAVE TGATNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.034 | 0.02 | 0.019 | t | 142159 | GAPTYSW GANDTDV | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.018 | t | 61308 | SSQSFRRLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 117059 | PQTDGSTR PRGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.056 | -0.05 | -0.05 | -0.05 | t | 123035 | APRIMHH M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.028 | -0.03 | -0.03 | t | 70719 | VRFPNITN LCPFGEVF N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.009 | t | 107744 | APVDSRTY TRVADHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.019 | -0.02 | t | 55141 | RPEGRTW A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.007 | 0.009 | t | 99602 | RDQSSYLQ GFSRNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | -0.003 | 0 | t | 52687 | QVELPKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0 | t | 123675 | QPLWLLQ G | marmos ets |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115678 | AIPPKKNQ DK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 122588 | SRIDRIRLN PVSPIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115979 | SPAQILQ WQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.034 | 0.027 | 0.02 | t | 117760 | ATLDDIKE WLEDKGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 135788 | VSGWGRV F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.008 | t | 51912 | QPQPFRP QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.003 | t | 140567 | KEAWLDS TKAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.055 | -0.06 | -0.06 | t | 125230 | RERRGIAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.055 | -0.06 | -0.06 | t | 125230 | RERRGIAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 145810 | GTGGRTG Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 146839 | DLRTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 64884 | TLKREIEKD G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 79303 | LVAAGVD YEDERISF QDWPK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 57618 | SERVQLLH SQNTSLIN QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 28564 | ISKQEYDA AVTAK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 30302 | KEALISLT RGKLTYTQ Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 6763 | CPFLKQNE PEDIDCW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 5109 | ATPYHPPA TP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 108216 | WWATFFE ATR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.009 | 0.01 | t | 45221 | NNRAVPD KIDWRESG YVTE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.02 | 0.013 | 0.009 | 0.01 | t | 45221 | NNRAVPD KIDWRESG YVTE | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.013 | 0.009 | 0.01 | t | 45221 | NNRAVPD KIDWRESG YVTE | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.015 | -0.01 | -0.008 | t | 64050 | THLRALFG YSEVRKVIL TKR | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.002 | t | 134236 | SNIMHSIN GYVFDSLQ LSVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.003 | 0.01 | t | 140674 | ESQPDPKP DELHKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.013 | 0 | 0 | t | 105682 | ARSLFGVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10833 | DWVCSVL ADFKAWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 135725 | NITQSTQS FN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 137797 | ADYWAGE LGQSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.012 | t | 113194 | TGGAYQSY KF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 46954 | PASTNRQS GRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 46954 | PASTNRQS GRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.017 | -0.022 | t | 78059 | VLDWKTR GKDLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.018 | t | 119905 | GLRAQAC AFW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.027 | -0.03 | t | 57279 | SDSESCSS MPPLEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.03 | t | 35622 | LENIPSEN QYFQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.039 | -0.04 | t | 21713 | GPNHTKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.01 | t | 60991 | SSFFSYGEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 43190 | NAKATYEA ALKQYEAD L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 43190 | NAKATYEA ALKQYEAD L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135679 | GGEDAKP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 110591 | GDPGRPG EPGLPGAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158620 | VLNWHPF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121739 | QCSLAIRIP YQKLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110612 | GPPGERG APGNRGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 99247 | FLLAHAS ARQQWEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79554 | GEVWVTP VIGSQARK CGLHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 97531 | NQTIQRDK V | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.017 | -0.021 | -0.022 | t | 58834 | SKGCKITCF LTAAGY | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.021 | -0.022 | t | 58834 | SKGCKITCF LTAAGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.03 | t | 115605 | GDEVELPC RISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 115653 | SSYAGQFR VIGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 111381 | GTGSGTG GRTGYVPL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 31253 | KIFQDHPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.012 | t | 111010 | RLGSEHVD RPLTTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.051 | t | 159287 | KTQGHSY HLRRKNG VKHPVY | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 150854 | HPGGQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 57707 | SEYPSQPP SPSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.03 | t | 66123 | TRVSRYS TARHRLRR GA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.052 | -0.05 | -0.05 | t | 46985 | PAVASRRR PTTAGAAP LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.008 | 0.01 | 0.01 | t | 11831 | EEPNDGEE RQSY | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0.001 | 0.002 | t | 43084 | MYRVFEVS VIRNPGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.021 | 0.022 | t | 89062 | SRSESSVE NFLCRSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.01 | -0.02 | -0.02 | t | 35284 | LDRNAHG QLLVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.033 | -0.031 | t | 140657 | ATRLNNEV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 36584 | LIKTSPRSE RYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | -0.001 | t | 79741 | AAASSPDA HVPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.011 | 0.01 | 0.011 | t | 74051 | YGLTALDP LFKP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.034 | -0.04 | -0.04 | t | 105932 | LMVGGVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 103839 | DAEFRHDS GYEVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.016 | 0.024 | t | 138254 | TPTIM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110588 | GARGPEG AQGSRGE P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112279 | QTEDLAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158581 | APAHPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 102246 | YNNHALL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.05 | t | 104342 | VSAAQYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135439 | ADAAAAY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 135414 | AAAYKAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.03 | t | 7558 | DAKDGKEI DTKHLPS T | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.016 | 0.02 | t | 68449 | VFEEAFFS T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.011 | t | 8360 | DGDGAAA MRYTEAR MTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.028 | t | 45630 | NQSTVKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.014 | 0.01 | 0.01 | t | 55261 | RPPNAPIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.051 | -0.041 | -0.039 | t | 37698 | LLQAHRQL EER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.02 | 0.027 | 0.03 | t | 29248 | IVEEDAPA TEEIDEIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.02 | 0.027 | 0.03 | t | 29248 | IVEEDAPA TEEIDEIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.03 | -0.031 | t | 27125 | ILKEPVHG V | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.023 | -0.031 | -0.032 | t | 9018 | DLAHLTA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.009 | -0.01 | -0.01 | t | 37690 | LLPSRRGDQLTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.048 | -0.05 | -0.051 | t | 130905 | IRCFKRHGAEVIDTPVFE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 63755 | TFTNKLKAKHTDLGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.007 | -0.01 | t | 10833 | DWVCSVLADFKAWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.031 | 0.032 | t | 28291 | IRFKDDTSFEDING | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.035 | 0.041 | 0.042 | t | 103822 | CASHLPYIEQGMQLAEQFKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 117044 | MISYSTRPDRQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149124 | TNPTQTK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115848 | LPLLQSWMHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 139597 | RGHAKSRPVRGIHTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 67139 | TVSAGDGRGTPIAFQAEVSK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.006 | -0.009 | t | 71346 | VTGSVVCTTAAGNVNIAIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 99836 | QFPQPQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 49081 | PQQPFPL QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.003 | 0.002 | t | 98922 | PAPQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.049 | t | 115253 | FPEVFGKE KVNELSKD IGSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.032 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.032 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.032 | t | 60024 | SPDVDLG DISGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.004 | -0.01 | t | 134687 | GWLKEIRK LQKSTHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | -0.003 | 0 | t | 46489 | NVSVPSST STPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.01 | 0.011 | t | 120343 | YNLKWNP DDYGGVK KIH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.018 | -0.02 | t | 70813 | VRRKDDR RGALLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.019 | t | 122915 | THKANPSP EPNMHEC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.03 | t | 130802 | EHRMTW DPAQPPR DLTEAFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.01 | 0.01 | t | 119463 | HKKSLSSP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | -0.002 | 0.003 | t | 110828 | EIDGPAGQ AEPDRAH YNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | -0.003 | t | 3693 | APPPPEHR GGPEEFEG AGDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.041 | -0.031 | -0.03 | t | 35413 | LEDNSTQA SLEEAILR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.024 | 0.024 | 0.033 | 0.032 | t | 15509 | FEDVKGTG GESRDLP S GQG | Papio |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.024 | -0.017 | -0.018 | t | 60401 | SQDADYH RVM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135679 | GGEDAKP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119517 | RKRTRHLE G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133957 | WIRANF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 95080 | FLRMKRP GEDKVRP ACQHKQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 6028 | CARSLVNL FTPGARQ N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140840 | EAAYSKNR RAVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.003 | 0.012 | t | 30300 | KEALDKYE LENHDLKT KN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.02 | t | 102686 | NPKTSQYS Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 48595 | PNAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 125515 | PDLTKVYS TDIFFILEIT DN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.055 | -0.06 | -0.057 | t | 133744 | YGGFMRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.003 | 0.007 | 0.012 | t | 70351 | VPKPQG PLP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.013 | -0.012 | t | 48947 | PPWDFDA GEGIH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 70396 | VPNLRGD RQALA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.01 | 0.01 | 0.015 | t | 50932 | QGPGAPQ GPGAPQG PGAPQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | -0.01 | 0.01 | 0.015 | t | 50932 | QGPGAPQ GPGAPQG PGAPQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.03 | t | 145799 | GLIADSVK DNQITSAL STQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.01 | t | 119489 | LILFKDDYF AKKNEERK QNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.018 | t | 111745 | RSSRTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 139689 | APDPSTVIL ENS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.022 | 0.033 | 0.032 | t | 34910 | LAPNTPRP PAQAPAK DMPSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 46275 | NTTASDQL LVENAAG HRV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.004 | 0 | 0 | t | 78816 | RQEIRKA WVKGMP YMDFSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.027 | -0.03 | t | 52148 | QQSFPQQ PQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.069 | -0.067 | -0.07 | t | 5286 | AVCLGGLI GIPALIC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.012 | 0.021 | 0.023 | t | 17243 | FNVPKEA GEDCHAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.067 | -0.062 | t | 125267 | TCSMFVY GGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | 0 | -0.01 | -0.01 | t | 139090 | IKRSNSTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 144654 | GPHPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.008 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.023 | 0.022 | t | 106344 | DIVMTQSP NSLAVSLG ERA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 61613 | STGADTG GDIVQQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 41869 | MKNQTFH LQGFVDGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 41869 | MKNQTFH LQGFVDGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 46550 | NWNFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 46550 | NWNFD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79751 | AKLGAAAS SPDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79751 | AKLGAAAS SPDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 119930 | HRWSSYM VHW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 121826 | RVVGPYST STWFRVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119930 | HRWSSYM VHW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 119930 | HRWSSYM VHW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111154 | CMKNMK QPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115204 | DEALEKFD KALKALPM HIRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 100288 | LSKINQPY QK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 106307 | CKCIVRAT KG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 79592 | KSFNSPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.046 | 0.05 | t | 135999 | SQIATIEQT APS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.028 | -0.03 | -0.031 | t | 69299 | VKQMYKT PTLKYFGG FN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.013 | t | 3274 | ANETIYNT TLKYGDV | MD |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.061 | 0.06 | 0.063 | t | 119220 | ISCAKDGG IPEQEYSC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 112153 | HIWWND N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.021 | -0.02 | t | 4715 | ASQKRPSQ RHGSKYLA TAST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.009 | -0.01 | -0.01 | t | 74112 | YHGRASSI VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 105148 | DVAGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 105148 | DVAGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 105148 | DVAGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.003 | 0.009 | t | 133775 | AETNRAPF DLAEAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.009 | 0.011 | t | 11411 | EDPASR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.022 | 0.01 | 0.008 | t | 28322 | IRIPKYKND GIQNYIHN EY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.008 | t | 28322 | IRIPKYKND GIQNYIHN EY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.008 | t | 28322 | IRIPKYKND GIQNYIHN EY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.01 | -0.008 | t | 46792 | PAFGANS NNPDWDF NP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | -0.001 | t | 106317 | CSKIQSTIF RGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.003 | 0.002 | t | 68297 | VENAQQD KGIAIPHDI DLGE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.055 | -0.043 | -0.051 | -0.051 | t | 138835 | CLNSFLRSC | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.024 | -0.02 | -0.02 | t | 25735 | IEATLHCY GAYLTIGK NPDF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.008 | 0.01 | t | 62325 | SVSHARPR LLLLCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 122471 | LLTEHRMT WDPAQPP RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 122471 | LLTEHRMT WDPAQPP RDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.013 | 0.01 | t | 27670 | INKDAREL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.012 | t | 125051 | FQSKANCL NT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0 | t | 149429 | QLWQIPE QSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.01 | -0.01 | -0.008 | t | 156911 | LGMSTNP GPRIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.001 | 0 | t | 63451 | TELKLAPP VLNAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.001 | 0 | t | 63451 | TELKLAPP VLNAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 109865 | RSLDFQAT TMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.019 | -0.02 | t | 78873 | VKFPGGG QIVGGVYL LPRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.031 | -0.029 | -0.03 | t | 147074 | KRKQNLV QAWQAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.017 | 0.02 | t | 158943 | KVIDQDAS GFIEVEE | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.033 | 0.032 | t | 106386 | EIVLTQSP GTLSSLSPG ERA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 115925 | QQTEDEL QDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149064 | LAANLTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110609 | GPKGANG DPGRPGE P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112170 | IRQRSGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112205 | LEWLAHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79246 | HCGQNSH PMWRKC Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79471 | YCRTNQS GAFARCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78811 | RKRNGVD VDPNKGK WKEHI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78811 | RKRNGVD VDPNKGK WKEHI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95158 | TNVLVNSS GHCQYLPP GIFK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132826 | FPEDLGNK SWQAYVV | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 108526 | LLRPVARD T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99338 | IKSEGHPQ EISKFLT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 129197 | LAALGGNS SPSAKDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.022 | 0.02 | 0.022 | t | 5962 | CAALASLF LSLGPQQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.011 | t | 51816 | QPFPLQP QQP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 74004 | YGGIPGGI STPITQQS EK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 60526 | SQPNT EQS PAIVLPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 60526 | SQPNT EQS PAIVLPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.023 | t | 138029 | SASGSDVS LTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.027 | -0.02 | t | 124069 | ELQIAKDE RYGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 70396 | VPNLRGD RQALA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.017 | -0.017 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | -0.005 | 0.001 | -0.001 | t | 1248 | AFAFAGN HVSPTHYV PESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.049 | 0.041 | 0.04 | t | 71292 | VTENDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 150995 | HLGKCNIA GWILGNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.007 | 0 | 0 | t | 6516 | CKRGPDS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 98373 | QLKKFLKIA LETPARI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.054 | 0.04 | 0.038 | t | 9520 | DNNQTSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0 | t | 71212 | VSVTDHKK WQFNPF VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.014 | -0.017 | t | 115832 | KTGQFL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.028 | 0.029 | 0.03 | t | 15281 | FASRGTS MDDEA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.028 | 0.029 | 0.03 | t | 15281 | FASRGTS MDDEA | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.003 | -0.007 | t | 121702 | PEPKPKKA PAKKGEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.014 | -0.02 | -0.018 | t | 56089 | RTIVCGLFP TQIQV | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 133843 | GTKAVTKY TSSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.009 | -0.011 | t | 22786 | GTPSMDA LSALLSNTL SLAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.012 | -0.02 | -0.023 | t | 110948 | MVTSDAQ IFNKPYWL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141946 | LKEDSRDR T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 141946 | LKEDSRDR T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.019 | 0 | 0.001 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 73659 | YEGFSTGV TQKAKGIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 51782 | QNVDPDPQ VGITTMKD LKGKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 28911 | ITGHRMA WMMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 119660 | VEWESNG Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 114756 | CGTDGVT YDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107019 | YLTDESHL HWFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149091 | NSTQMRI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 48390 | PLLDRWK APDYVPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.027 | 0.022 | t | 141934 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 67266 | TWIGMN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.009 | 0.01 | t | 70 | AACAGNR VRRSVGSS LKC | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 153333 | ACLDAKLQ QCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.015 | 0.02 | 0.022 | t | 1461 | AGCTALSA VDDVPGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111142 | CALHPPPQ C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.04 | t | 124367 | KLKARVDE LERIRRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.009 | -0.012 | t | 133802 | DSPAPIKL GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0 | -0.009 | -0.012 | t | 133802 | DSPAPIKL GG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.023 | -0.031 | t | 119537 | TRKALTQN T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 74485 | YKNTHLDL IYNA | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.031 | -0.031 | t | 78850 | TGAPSLGD YVRPAYIV TPYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.008 | 0.01 | t | 10812 | DWICEVLS DFKTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.006 | t | 138222 | PTPTPGPS RR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.022 | 0.021 | t | 24861 | HSTTEWA VLPCSYSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.03 | -0.02 | -0.019 | -0.02 | t | 37814 | LLSPRGSR PSWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.011 | 0.01 | t | 133877 | LEAKICHQI EYFGDFN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.018 | t | 117777 | CSLPMIW AQKTNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.012 | t | 64079 | THSWEYW GAQLNAM KGDLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.043 | -0.04 | -0.04 | t | 25215 | IAAAIVLRG MAKDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.058 | 0.06 | 0.06 | t | 131155 | YDEDENQ SPRSFQKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | -0.001 | 0.001 | t | 134909 | EEKLVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.009 | -0.009 | t | 46857 | PALSTGLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 135664 | EHNIEETE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 123611 | PPGLAPG Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110592 | GERGAPG NRGFPGQ D | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140855 | GHDEAAY SKNRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135716 | LRSTKFTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 106341 | DIQMTQS PSSLASV GDRV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151056 | SQLKNN KEIGNGCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 131698 | TGVDVSM NTHLKAVK MTLKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 98881 | LLDAQSAP LR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99097 | AGVALSRL VLRRNAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 77951 | LPTMLSPT GLSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.012 | t | 125600 | WESYPFRV GTSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 51906 | QPQFPFP QLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.029 | 0.023 | t | 131020 | QLSPESDY DDHGMRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 119674 | WNPDDYG GVKKIHIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.065 | -0.06 | -0.06 | t | 130869 | GRDRQPR L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 97049 | VKPTAPTK PT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.019 | -0.023 | t | 153266 | IVTARARH DWNWVQ RSSRSL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 125551 | RNLTYIDP DALKELPLL KFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.049 | 0.04 | 0.04 | t | 100249 | LDPLSEKG LTTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.007 | -0.008 | t | 7063 | CSQHLPYI EQGMQLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.028 | -0.037 | -0.032 | t | 132045 | RMATPLL MRPMSM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117065 | QFTGSTRQ HAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.028 | 0.02 | 0.018 | t | 72922 | WPACYCY GLPNWVK V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.028 | 0.02 | 0.018 | t | 72922 | WPACYCY GLPNWVK V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.011 | t | 107813 | EGGGVRG PRVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.019 | t | 135927 | GAKLVQD VANNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.06 | 0.05 | 0.05 | t | 140886 | LQEKLSPL GEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 38825 | LQDPRVR GLYFPAGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 31160 | KHVAGAA AAGAVVG GLGGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.03 | t | 106310 | CLHFVKGE EK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.01 | t | 31154 | KHSMVDR GWGNCG | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117459 | DLLRLSHL KPSSEGLAI VTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.038 | 0.033 | 0.032 | t | 137393 | EDFESCDSI TGMNLEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.03 | -0.033 | -0.03 | t | 130605 | SCRLFGKT YLCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.009 | t | 158723 | DTGCAIDIS RQELRCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.008 | t | 145704 | AEGLT TTT WKDYDHN LQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 104319 | TTSSQELE RYTFNPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.033 | t | 57532 | SELPQWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141064 | NSIGLTW QR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 92857 | GQNGERIT SK | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137446 | SHDWRLM LSHLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115689 | AQILQWQ VLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115845 | LHLPLPLL QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 80216 | AEWVLVG QNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 132816 | FGQNAPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 50171 | PYSPSQDP YSPSPYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 98843 | KEGDVFIM PAAHPVA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.02 | 0.019 | t | 119914 | GSVVAINP ESDQPDLS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.019 | t | 119914 | GSVVAINP ESDQPDLS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.022 | 0.02 | 0.019 | t | 119914 | GSVVAINP ESDQPDLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.02 | t | 122083 | DPNIKLV DDCWATS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.017 | -0.01 | -0.006 | t | 141267 | FEGWFN | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.02 | -0.021 | t | 75951 | YTASARGD LAHLTTTH AR | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.039 | -0.04 | t | 98217 | LKPKKGIK VN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108104 | RRLPFGSQ M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.003 | 0.01 | t | 130864 | GPKGQAG EPGIAGFK GDQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.03 | t | 41204 | MCQCQVK YGTEFCKK RLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.003 | 0.01 | t | 127999 | GLIEVQSD YGIVWGLS LQKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.01 | t | 11652 | EEGPVDEE IVQEEGTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.021 | t | 95137 | RGLSLGM RLEN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.029 | 0.028 | t | 61317 | SSRGKVVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0.002 | t | 49046 | PQPELPYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.01 | -0.007 | -0.009 | t | 130469 | DQPPTSRYVPSLR | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 741 | ADPNRFRGKD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 741 | ADPNRFRGKD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.003 | t | 55726 | RRRSQSPRRRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 43578 | NEDQKIGIEIKRALKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.018 | -0.017 | -0.012 | t | 122205 | VFTLPPPLPETH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0.006 | 0.001 | 0 | t | 73181 | WVDIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.013 | -0.01 | t | 130606 | SCTVYGKTPLCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.039 | -0.04 | t | 9896 | DQRPYCWHP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.01 | -0.023 | -0.022 | t | 43218 | NALWMPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134788 | RRGPSLGASSHQHSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112849 | TIKNTFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135894 | AHGCLFDRRLCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132052 | RYTPGSSWGESSSGR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132612 | RKRREKIER R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99451 | LRRNALRR PFYSNAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115835 | KVLPVPQK AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.021 | -0.01 | -0.008 | t | 49005 | PQGP GAP QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.017 | -0.02 | t | 55299 | RPQKRPS IGCKGTHG GTGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.021 | 0.013 | 0.01 | t | 94549 | ICCN PACG PK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 122845 | LQVQDQL MNEELTER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119567 | EPDLEEIVS ILKNDKEGI SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.049 | 0.049 | 0.05 | t | 54103 | RHVKNYH SRSESTIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0.001 | t | 50218 | QAASAAL GALGRFDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0.001 | t | 50218 | QAASAAL GALGRFDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.002 | t | 111051 | VGP LEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.017 | -0.02 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.017 | -0.02 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.037 | -0.038 | t | 115870 | NKVTLKGG KVT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 106321 | DAEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.023 | -0.023 | t | 58377 | SHLKLFTIK YVDVNTN ELLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 144099 | TLQQNMP LALVW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.026 | 0.019 | 0.02 | t | 48147 | PKSGKELG ETQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.014 | 0.02 | 0.021 | t | 7209 | CTSRFASLF NLGPQQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 76384 | YVPLGTQY TDAPSFSD IPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.01 | t | 111088 | ACQKHTP PAPKEDDP LKKYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0 | t | 4219 | ARQKLKD AER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.002 | t | 16101 | FHENWPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | 0 | t | 5641 | AVYYCTRG YHGSSLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.035 | 0.025 | 0.027 | 0.03 | t | 70444 | VPQLEIVP NSAEERLH SMKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.027 | 0.03 | t | 70444 | VPQLEIVP NSAEERLH SMKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.034 | -0.033 | -0.039 | t | 145144 | DPGQLRL WRLAS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.01 | -0.01 | t | 73418 | YAPQPCGI VPASEVCG PVYC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.02 | t | 141972 | NKSYGKPD PEPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 39083 | LRFFVAPF PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135801 | YNAAINKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79640 | SASIRPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 102333 | CCKRNDE VLFRLNH AETLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 96020 | YLKTVYQH QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.058 | 0.053 | 0.062 | t | 121718 | PSDDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 144778 | SGTHPFLD KSFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103017 | AFDLDRLL FKRNICH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115995 | TINTIASGE P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.013 | -0.02 | -0.02 | t | 159024 | NKGAIIGL MVGGVVI A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.027 | 0.03 | t | 33715 | KTIENINEL IEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.021 | t | 135533 | AELSPAAM TGKRKRSQ M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.022 | 0.029 | t | 124604 | QIERDTER DRFLSAPE AV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 6027 | CARSLATL FSPGARQ Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.039 | t | 104779 | FRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.039 | t | 104779 | FRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.026 | 0.02 | 0.02 | t | 78222 | NTTTERSC PT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.021 | 0.019 | 0.031 | t | 20064 | GGVATY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 22127 | GRLHLND RV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.017 | 0.019 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0 | t | 79368 | RGDLARG DLARGDL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.03 | -0.039 | -0.039 | t | 78940 | CRRHNYG FWVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 142200 | KGLRRDLD ASREAKKQ LEAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137213 | KKKKKKKL DATR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.02 | 0.02 | t | 120679 | KIFADDID | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.001 | t | 112603 | MIAATYNF AVLKLMG RGTKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | -0.003 | -0.002 | t | 6173 | CEKDERFF SDKIAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 21927 | GQPAVRN ERA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.008 | 0.01 | t | 14888 | EVTQHGSY HYITGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 144639 | FAQAYAR GIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.029 | 0.03 | t | 6963 | CSAGICFSE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.055 | -0.047 | -0.048 | t | 14636 | EVCVRQLK AIANK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.055 | -0.047 | -0.048 | t | 14636 | EVCVRQLK AIANK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.023 | -0.03 | t | 119630 | QQGNVFS C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.01 | -0.01 | -0.008 | t | 39090 | LRGDLQVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 39090 | LRGDLQVL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.012 | 0.01 | 0.01 | t | 12537 | EINTLQNQ | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 118392 | GVGGPSQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140549 | DGEWPRE GWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149440 | QQQQQPL SQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 102246 | YNNHALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114586 | RQERESEQ ERERQRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 39393 | LSGRPAIIP DREVLHRE FDE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 39393 | LSGRPAIIP DREVLHRE FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 104737 | AYCSTWD ANK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 134152 | LRRVLLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156922 | NLHLGLA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | -0.002 | 0 | t | 151075 | YNAELLVL LENERTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.014 | -0.007 | -0.013 | t | 39172 | LRQAILCW GELM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.019 | 0.005 | 0.01 | 0.01 | t | 44852 | NLQKDEP NGRASDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.011 | t | 145841 | KEDFRYAIS STNEIGLLG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 28075 | IPSTAFTDI AWVRLPN HY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.01 | 0.01 | 0.011 | t | 156907 | KVGDPPLW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2780 | ALNGNGD PNNMDKA VKLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.007 | -0.008 | t | 106313 | CQQYGSS PQTFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.04 | t | 116944 | DFRYSTRP FAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.032 | 0.03 | t | 53145 | RALEDGIN FA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.049 | 0.04 | 0.037 | t | 115650 | SQGHRSQ DEN | Macaca mulatta |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 138304 | ATVQLPQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.027 | -0.03 | t | 158838 | IHNDVEAWMDRYKYYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 157844 | RHQDTNAPAGS | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133727 | VERKECAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.057 | 0.04 | 0.04 | t | 63053 | TAYQYATVAPPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 48817 | PPLENRVLTG | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136010 | VMIKSLPALNSPTVEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 136010 | VMIKSLPALNSPTVEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 110926 | KSEKDSTNNNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123017 | AKMKGTFFVER | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.044 | -0.04 | t | 53960 | RGRAGRRIYAHPSVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | -0.001 | -0.003 | t | 110933 | LQGNRINEFSISSFCTVVDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.007 | t | 135854 | IQQSIERL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.003 | 0 | t | 42306 | MPNYDRL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149441 | QQQQQQ QPLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149102 | SGPNATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123124 | EFKSRIEDL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149473 | SQPQQPIS QQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103384 | LQAHPHA VNGTAMR E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 133959 | WIRMNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.02 | 0.022 | t | 44662 | NLDDRDR SELSPLLS TTEW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.027 | 0.03 | t | 103960 | GTYFLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.019 | -0.018 | t | 38118 | LMSFPQA APHGVVFL HV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.048 | 0.04 | 0.04 | t | 106336 | DHFADGY DEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.008 | 0 | 0 | t | 39023 | LQYGSFCT QLNRALSG I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.041 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 37641 | LLPAADM DDFSRQL QNSM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.001 | 0.007 | 0.011 | t | 111489 | LKQIAAHA GKEGAIIF QQVM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 138246 | TDKTPFLL WRVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.01 | 0.021 | t | 67729 | VAQYKALP VVLENA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.01 | 0.017 | t | 17197 | FNLVYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.007 | -0.002 | t | 122269 | ARQNLKD AGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 157340 | GQRREFQ QDRHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133499 | AHSSPRSV WYEW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115893 | PNSLPQNI PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 124276 | HPLAPPHP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 120484 | EIGKIPLKL D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 111831 | TISRTGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112306 | SDHKNYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 100371 | NYLVDGN GRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.007 | -0.008 | t | 21729 | GPPLGCLS LSCYDVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.023 | -0.022 | t | 98790 | GDKDNVI DQIEKQAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79840 | GKDLKRP GSSPME | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79840 | GKDLKRP GSSPME | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 79412 | TCLEVNW LTRMACM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.047 | -0.05 | -0.041 | -0.04 | t | 32096 | KLQACEHP IGEWCM M | Bos indicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 129022 | KAAGVNV EPFWPGLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.053 | 0.04 | 0.04 | t | 61037 | SSGLYHVT NDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 139475 | ATPRAHEV SE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 18705 | GANSNNP DW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144673 | GTFCGGEE CMRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144673 | GTFCGGEE CMRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 144673 | GTFCGGEE CMRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.009 | t | 96521 | KVTKEKPT PP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.03 | t | 121436 | IVIGRYSTQ PWFRVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 27554 | IMSGEKPS MEDVVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.003 | 0.01 | t | 96494 | KQMGQT GGSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.003 | t | 140547 | CSIGEALS HGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.003 | t | 140606 | TMWDALE AP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.003 | t | 140546 | CNLWEVM HGTC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.003 | t | 140582 | PWATLV AES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.003 | t | 117495 | ERDRKREK RKPKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 118383 | GLKKMLRT CAVHITLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 118374 | GKALCWV CAQSRKH RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 121154 | ASAARLT MMW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 131874 | EVFISAPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.003 | t | 113281 | ARTAHYGS LPQKSHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.003 | t | 51252 | QKSKQNIG ALKQEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.02 | t | 91093 | AEFYQEVL FKGFE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.019 | 0.029 | 0.031 | t | 24814 | HSMKEGI HAQQKEP MIGVNVQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | -0.002 | t | 134160 | MGGPPM MPMMGP PPPGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.009 | -0.01 | t | 10226 | DSSAATKK TAAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.037 | -0.047 | -0.053 | t | 6530 | CKTHLKAS SGYCAWP | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.037 | -0.047 | -0.053 | t | 6530 | CKTHLKAS SGYCAWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.013 | -0.01 | t | 18502 | GAAARTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.037 | -0.032 | t | 141706 | MLEPFQIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 54430 | RKTKRNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.019 | 0.02 | t | 137918 | LGEKVLSK QETE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.02 | 0.023 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.02 | 0.023 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99239 | FDQRSRQF QNLQNH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151062 | TAVGKEFN HLEKRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 88469 | SEDRETRP HGRNNM NFVYNR | Aotus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 99442 | LQRFDQRS RQFQNLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 114977 | VMVLCNR AFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111022 | SGIGTLDG FRHRHPDE AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 108283 | AQSAITAC W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 29127 | ITVATSRT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.037 | 0.03 | 0.03 | t | 43798 | NEYIEKANI TTDDK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.037 | 0.03 | 0.03 | t | 43798 | NEYIEKANI TTDDK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.011 | 0.008 | t | 21912 | GQLSDHP HALSSSS HAEPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 102766 | RLENHAET LRAAMISL AKKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.01 | t | 10080 | DSAVAEFF QSFPSGEP SNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 120343 | YNLKWNP DDYGGVK KIHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.01 | t | 120343 | YNLKWNP DDYGGVK KIHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.001 | 0 | 0.002 | t | 56610 | RYPGQGS PGGNRYP PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0.002 | t | 56610 | RYPGQGS PGGNRYP PQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.027 | -0.031 | -0.032 | t | 62961 | TAPTDPT RTVWTFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.059 | -0.05 | -0.051 | t | 78635 | EKIERNNK LKQPPPPP NPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.012 | t | 97769 | WNPSLLG N | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.012 | t | 97769 | WNPSLLGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.002 | t | 129688 | QIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 116111 | KGQGQKAKMRCIPEKGH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.003 | -0.011 | t | 109938 | SPRSGDLSVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.009 | t | 151723 | RSITTIIDTFHQYSRK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.029 | -0.028 | t | 63848 | TGHRMAWDMMNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.064 | -0.06 | -0.057 | t | 47859 | PHWA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 99833 | PPFSQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.015 | -0.018 | -0.012 | t | 144208 | AQAGGPDGAAAGGG | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.015 | -0.018 | -0.012 | t | 144208 | AQAGGPDGAAAGGG | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.009 | t | 42429 | MQWNSTAFHQTLQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.009 | t | 42429 | MQWNSTAFHQTLQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0.001 | t | 132723 | VQLPQQDQPVPHGTQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 112406 | YEYLINVIHAFQYV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.009 | t | 123815 | VKEEYVKE L | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.017 | -0.02 | -0.02 | t | 142072 | YKGEELQY VEGKVVKR PCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.041 | -0.041 | -0.04 | t | 141540 | FTPQSRRL RELPLAAD ALTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131859 | EKGTGESQ SRDRRKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99294 | GQHSRRE RAGQEE N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115932 | QVLSNTVP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79658 | THQRPAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140587 | PWQRGLR DL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 111142 | CALHPPPQ C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.04 | -0.04 | t | 153449 | QQPPGAP RLPQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135702 | KLTRAEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | 0.003 | 0.002 | t | 114924 | QDENPVV HFFKNIV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.033 | -0.031 | t | 65614 | TPIRHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 60679 | SRGNHVS PTHYVPES DAAAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.054 | 0.06 | t | 138244 | SSTIANT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.001 | 0.001 | t | 86972 | NPITESAH LN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.01 | t | 47984 | PISLLFNEK EADDNDH EPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 9818 | DPYSPSPY DRRGAGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.01 | -0.009 | t | 122626 | VDVPNGR GDSLAYGL RS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.018 | t | 97223 | AWNPSLL G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 135489 | QFPLGGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.061 | -0.063 | -0.061 | t | 137907 | KGSGPGYY RLTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.002 | -0.01 | -0.008 | t | 137391 | DTHKRDTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.043 | t | 103993 | IPPSLRTLE DNEERMS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123710 | RKPKSQET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 105497 | RHDSGYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.011 | t | 153396 | HSFEPWS ARDMLGG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 119573 | EWEDTYGI VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.011 | t | 119614 | LWDQTYG VPD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.046 | -0.046 | -0.039 | t | 27553 | IMSALAM VYLGAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 36413 | LHQPPPQI FLKILPQSG PIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.004 | 0.01 | t | 32108 | KLQKTYSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.03 | t | 54065 | RHLLCLLL LTVGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 75662 | YRPPNAPI LSTLPETT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123374 | KKAVQGG G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.054 | -0.06 | -0.06 | t | 36813 | LKCRLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.024 | -0.011 | -0.01 | t | 1975 | AIKKRNAD AKADYEAK LAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.007 | 0.011 | t | 31580 | KKIQDCYV ENGLIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.007 | -0.001 | t | 57612 | SERSQPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.027 | 0.02 | t | 135486 | PELEETLTH TITKLNAE NNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.023 | -0.02 | t | 75924 | YSWKTWG KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132935 | WGSNAEH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 100410 | QEEHLKEI MK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 140614 | WCEADYG RCP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 93721 | RLFGGKG DDI | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 95691 | PTTNVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 144598 | CFVGT HPQLRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | 0.001 | t | 56610 | RYPGQGS PGGNRYP PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.021 | -0.027 | -0.03 | t | 53770 | RFRGKNLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.003 | -0.001 | 0 | t | 80618 | CAVFVRD GQSV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 115252 | FLPYPPYA KPAAVRSP AQIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.018 | 0.009 | 0.01 | t | 30211 | KDLTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.022 | t | 97252 | DTPLTTAA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.023 | -0.029 | t | 144898 | GQSRGQS RG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.028 | -0.031 | -0.03 | t | 1457 | AGAVVGG LGGYMLG SAMS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.021 | -0.013 | -0.008 | t | 29897 | KANADAK AAYEAAV AANNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.021 | t | 10778 | DVVNQNA QALNTLVK QL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.015 | t | 123294 | HMPGQPPY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.028 | t | 104314 | TRKGYHQT MNNSY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 30093 | KCTSDQDE QFIPKGC SK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.011 | t | 70816 | VRRRGDS RGSLLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.072 | t | 103792 | AGTELSAT GNESGGG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | -0.002 | t | 149318 | FYYGKGLI NVQAAAQ | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 61398 | SSTKNLIYT STLCELNV TGF | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132928 | WGENFIQ VPVSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106376 | EEKKGNVY VTDH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.03 | -0.02 | -0.02 | t | 76248 | YVDISLDA GQYVLVM KANSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.031 | -0.029 | -0.03 | t | 147064 | KHQGAQY VWNRTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.003 | 0 | t | 29936 | KARRPEGR TWAQ | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 119617 | NGQPENNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 158604 | PVGPWTN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77790 | NKVSARG CTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 106741 | QQFAPWP NWTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78302 | WHRLLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 87229 | PEARLISVR YDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.02 | -0.02 | t | 87229 | PEARLISVR YDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | -0.002 | t | 41431 | MERVVEQ MCVTQYQ KESQAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 79596 | LERTPGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.036 | 0.03 | 0.031 | t | 63215 | TDPTGIEP DDHLKE | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.029 | 0.03 | t | 40619 | LVTVPFV SVATANS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 135977 | PVSRVLAP HLTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.01 | t | 67269 | TWKIEKAS F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.054 | -0.051 | -0.06 | -0.06 | t | 139926 | TPSWFRW | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.03 | t | 140672 | EQIYRVDL RTL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.011 | t | 35247 | LDPAFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.004 | 0 | 0 | t | 8839 | DKAKADA ELAAANDT IA | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.069 | -0.06 | -0.06 | t | 36319 | LGSINQA MVTRCEP VVCYLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.05 | -0.05 | -0.049 | t | 122999 | AAMDLR MGF | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.043 | -0.041 | t | 94651 | PTCWAICK RIPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 27462 | IMDINKRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | 0 | 0.001 | t | 73554 | YDKPYMML NLYDPNKY VDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.003 | 0 | t | 9126 | DLIGQKLG LKLLRYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.001 | 0.003 | 0 | t | 9126 | DLIGQKLG LKLLRYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.029 | 0.04 | 0.04 | t | 48395 | PLLGICGST CAEDGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.023 | -0.021 | t | 16280 | FIQQGRGY FGLIFPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 62858 | TAGLVGLL TPG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 50476 | QDIQPAIQ SSWPKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.045 | -0.04 | -0.04 | t | 138146 | ASHLDYGS ALLSKV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.003 | 0.003 | t | 47201 | PDSDPQIP PPYVEPTA PQVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.003 | t | 47201 | PDSDPQIP PPYVEPTA PQVL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.007 | 0.007 | t | 115263 | GEIVESLSS SEESITRIN KK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.028 | -0.037 | -0.04 | t | 51841 | QPGLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.023 | -0.02 | -0.018 | t | 132879 | PAFKNPSQ DMVRFHI | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 157344 | GSAASPPP SGTRT | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 149076 | NATQAST | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 139920 | TGSWFRP | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 98532 | TNNNLTLV PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 98532 | TNNNLTLV PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 98532 | TNNNLTLV PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 98532 | TNNNLTLV PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 98532 | TNNNLTLV PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137540 | LDRTPRKF HLAGNPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115402 | NNQFLPYP YYAKPAAV RSPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 94953 | TTAEMLD ATR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 94953 | TTAEMLD ATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 135690 | IIPHHNYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.011 | -0.011 | -0.008 | t | 99456 | LSERRAQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.033 | 0.033 | 0.032 | t | 115265 | GKDITADN K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.022 | t | 32568 | KNNNNEE PS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.017 | 0.018 | t | 57928 | SFTNFGSV V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.001 | 0.01 | t | 119546 | WTAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.02 | 0.03 | 0.031 | 0.03 | t | 15439 | FDPLVAEE DEREIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106973 | VPKHCGIV DSKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.01 | t | 16376 | FKHLREFV FKNKDGFL Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 29683 | IYSKYGGT EI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.045 | -0.049 | -0.05 | t | 652 | ADDVILHT PGCVPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 57707 | SEYPSQPP SPSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.054 | -0.06 | -0.06 | -0.06 | t | 123393 | KSERFIKW P | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105541 | TGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 135482 | LMDRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.009 | 0.01 | 0.011 | t | 45667 | NRDQGRK PTPPTPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.012 | t | 25320 | IAIVERRN NLLQAELE EL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.017 | -0.022 | t | 1289 | AFDYSRPG LLDPVFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.049 | 0.067 | 0.05 | 0.05 | t | 39517 | LSNPTPQE | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.022 | -0.021 | -0.02 | t | 26227 | IGFTLPILK ALYM | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.007 | -0.009 | t | 7173 | CTKPTDG NCTCIPIPS SWAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | -0.002 | -0.003 | t | 98923 | PAVFKIDA LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 157812 | QRQSQQG QRREF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.023 | 0.02 | t | 46000 | NSTGADA ADSGGRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | 0 | t | 13243 | ELQVIDKV DAAFKVA ATAAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.061 | -0.041 | -0.058 | -0.064 | t | 68791 | VGSDWRF LRGYHQY A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.026 | 0.03 | 0.03 | t | 112728 | YIKSGGST ANLASSNY FPTP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.014 | -0.01 | t | 41069 | MAKVKIKP LEDKILV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 121841 | SGGSCLPV ISHYASC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112413 | YLAWYQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 148887 | QQSFPQQ QRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149093 | QGRNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 150995 | HLGKC NIA GWILGNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.027 | 0.031 | t | 110952 | NDLQTVL G | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.032 | t | 75920 | YSVLYNST FFSTFKCY G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.024 | 0.03 | 0.032 | t | 75920 | YSVLYNST FFSTFKCY G | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.007 | t | 115324 | KNQDKTEI PTINTIASG EPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 6357 | CGSVFLVS QLFTLS PRHET | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.022 | -0.02 | -0.019 | t | 44218 | NIERFPNG KKYELDKY TMF | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.039 | -0.041 | t | 72549 | WHRHWP SHPTQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.025 | -0.023 | -0.03 | t | 131010 | PSTRWTEL DDVKRLK GSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.033 | 0.03 | 0.03 | t | 97205 | ANYTTAV D | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.022 | -0.02 | t | 20656 | GKPALVPD K | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.011 | -0.01 | t | 41759 | MIPKGTLT | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.01 | -0.01 | t | 123519 | MRYIADKHG | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.045 | -0.04 | -0.038 | t | 116971 | FAVLKLMGRGTKF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.018 | -0.02 | -0.02 | t | 31414 | KIRPRGQRDSSY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.02 | t | 103901 | FNKSYYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.03 | 0.02 | 0.017 | 0.02 | t | 37831 | LLSTTQWQVLPC | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151659 | KATDLLLD DSLVSFLG NRRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.049 | t | 153870 | REVYDFAF RDLICIVYR DGNP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 75391 | YPQPQFPFSQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 52121 | QQQPFPQQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 50945 | QGQQQFP PPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 50814 | QFQGQQ QPFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 51908 | QPQFPFS QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 51906 | QPQFPFP QLP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 17365 | FPQPQFPF PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.018 | -0.02 | t | 135979 | QMRPVSR VLAPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 47643 | PGFGDRR KAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0 | t | 140611 | VNKKEAW LDSTKAT RY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.02 | t | 27681 | INLLDDSD F | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 80000 | RGTGSYNR SSFES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149428 | QLQLQNP SQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149428 | QLQLQNP SQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.01 | 0.01 | 0.01 | t | 136301 | GALHQEPS SNLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133538 | CNKPGERT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133538 | CNKPGERT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 133538 | CNKPGERT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111043 | TLAEADRT NAEK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 103296 | IVMSTNN DDPAGAC R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 153410 | LIPFHKHP HHRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107458 | KCKVSNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112277 | QSPKLLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.007 | 0.01 | t | 45541 | NQELAYFY PELFRQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.067 | 0.06 | 0.062 | t | 95638 | NSAEPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.019 | t | 108002 | LGWMRY HPQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.018 | 0.007 | 0.003 | t | 121072 | YANETCCD FFTNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.003 | 0.002 | t | 130612 | SPNTAHIT SKSL | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.001 | -0.003 | 0 | t | 32902 | KPTKKPTF KTTKKDLK PQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.06 | 0.05 | 0.047 | 0.049 | t | 134149 | LRENQLLP GFEL | Rattus rattus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.033 | -0.033 | -0.04 | t | 112540 | HVQLAPPI ALRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.008 | -0.01 | -0.008 | t | 31074 | KGTLTWS G | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.011 | -0.017 | -0.018 | t | 106192 | YCHTFHGA G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.02 | -0.022 | t | 95050 | YCEIIVTHF PFDQQNC T | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0.007 | 0.002 | t | 115628 | LPCRISPGK NAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.043 | -0.04 | t | 106846 | SKGCCSGA KRLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | 0.003 | t | 73327 | YAAQNRR GLDLLFWE QGGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.02 | -0.01 | -0.008 | t | 9924 | DQVHFQP LPPAVVKL SDALI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 66703 | TTLNPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.009 | 0 | 0 | t | 100287 | LSEKGLTTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.008 | -0.003 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 111216 | DSSEEEDEI DGPAGQA EPDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 111216 | DSSEEEDEI DGPAGQA EPDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.026 | 0.024 | t | 138753 | AAHAEINE AGREVVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.017 | -0.02 | t | 86900 | NLPNDVFR EAQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.011 | -0.01 | t | 91218 | DVLEATYA MVQHVAK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.033 | t | 141764 | TLNFNAEG EPELLMLA NWR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 134333 | CIPIPSSW AFARFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 153381 | ETPLTIAGL KLK | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 149247 | AEQQWAL YADGSIRP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 135545 | DVFYPYPY ASGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 144820 | YLEDWIKY NNQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 146967 | GGPIGDTL EKISNEIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 134437 | LPVCPLLP GTSTTSTG P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 139632 | VKPLPSPD TD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 137743 | DTPLTIAGL KLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 137947 | PNTMKTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 149403 | PCKSNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 138807 | RLQGISP KI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 138089 | WLRPPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 134557 | TCTIPAQG TSMFPSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 134335 | CTKPSDGN CT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 140674 | ESQDPDPK DELHKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 139525 | ISSQTNDT HKRDTYA ATPRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 151763 | WYRATHQ E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 139526 | ISVRTVYPP E | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 153372 | DTELTQQA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 138097 | YPYPLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 137770 | TLARSFII CIQM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 137759 | NQEDAEAI THLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 149530 | YDCNTAAT DATRWQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 137941 | PFRSYTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 139475 | ATPRAHEV SE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 151601 | ADLSLEKA ANVQWD E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 151609 | DETPMRG ETRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 153380 | ETELTIAAL KYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 134472 | PLLPGTSTT STGPCKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 138047 | SSKPVSYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 150858 | ISSLYNLVK SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 146990 | GPGTIKKIS F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133624 | KPGEMRG AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130927 | KNSRQSY P EPAPVYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130925 | KLLPEDDE SRTYHTV | Homo sapiens |

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|---|------|---|---|---|---|---|---|-------|---|--------|----------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133623 | KPGEMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130808 | ENEPPVW TTESKLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130924 | KLFPEEDE MRTETQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130844 | GDQSTDY GIFQINSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 118802 | GFNEPNG NLQYQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119943 | IGLMVGG VV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 117495 | ERDRKREK RKPKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133622 | KPGDPSAL HVVRCWIC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133531 | CDTLKPGE C | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133535 | CKPGEVQ QC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119038 | TSTNGIKKI LIF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133630 | LPPGLHVF PLASNRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133528 | CADQKPG EC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130805 | ELNPEPDT EVFPMTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 117614 | QGFPFYDK PMRI | Mus musculus |

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|---|------|---|---|---|---|---|---|-------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133539 | CYKPGEW AC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133580 | GFLSSCNF RFCELVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 131116 | TQSYPPPP AWRAASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 131040 | RLAPEPDD PITPMTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130817 | ESVMQSY PPHLQIPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133538 | CNKPGERT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 125415 | FSPDGKPC TPPALNCY W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105651 | AEFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108832 | CGDRGFYF NKPTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105206 | GAIIGLMV GGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 115268 | GLQYTPS WLVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105319 | LVFFAEDV GSNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 107166 | GPPGPQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 97601 | RGRRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 80000 | RGTGSYNR SSFES | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 94851 | INNLIVELIR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 79867 | INNLIVELIRGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 64628 | TKNTNNNLTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 67967 | VDGSDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 64628 | TKNTNNNLTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 79775 | DDATVAIR SAINNLIVELIR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 94874 | LIVELIRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 75791 | YSLFQKEK MVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 71506 | VTSTLTSLF RPGASQKIQ L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 97359 | GPGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 52929 | QYIKANSK FIGITE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 59784 | SMYGSYN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 45673 | NRFAGMF SLGARQKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 50222 | QACKGKIQ ALCEN | Mus musculus |

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|---|------|---|---|---|---|---|---|-------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 48536 | PLYISNPN Y | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 36959 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 55818 | RSDYKFYE DANGTRD HKKG | Chinchilla lanigera |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 58921 | SKPTTKQR QNKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 59982 | SPAPERRG YSGYDVDP Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 56122 | RTLTMFS LGARQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 38304 | LNPKTNK WEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 50637 | QEIDCWH YQHCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 44920 | NLVPMVA TV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 51147 | QIVGGVYL L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 36956 | LKMADPN RFRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 11571 | EEEDDDM GFGFLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 11571 | EEEDDDM GFGFLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 15982 | FGGETFTP DWMMEV AIDNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 30093 | KCTSDQDE QFIPKGCS K | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 11872 | EESDDDM GGLFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 31002 | KGLNGLFD LGPKQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 25139 | HWSISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 15981 | FGGETFTP DWMMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 18363 | FWRGDLV FDFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 17295 | FPGGGQIV GGVYLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 28603 | ISLTEWSM WYRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 11872 | EESDDDM GGLFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 24564 | HPYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 25146 | HWYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 10320 | DTDSGYD VPDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 4401 | ASFFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 1406 | AFTPDWM MEVAIDN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 3952 | AQEPPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7239 | CTTSGLAS LFNSGARQ H | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 6480 | CKGLNGLF DLGPKQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9232 | DLPDYGDY GEDLFDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 6952 | CRTLTMGF SLGARQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 10171 | DSLSEEEKE LLNRIQVD S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7004 | CSGLVGLF TPGAKQNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 266 | AALANSLS LGPQQKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 4701 | ASQKIQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 5962 | CAALASLF LSLGPQQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.012 | 0.021 | 0.022 | t | 67157 | TVSNAFEE GGCITCPP YVEV | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.01 | t | 64099 | THWQLGE RPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.016 | -0.019 | t | 119297 | NTFCDSCI PKTFWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0 | t | 50180 | PYVEPTAP QVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 17707 | FSFCETNG LE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114900 | NAVVESN GTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103258 | HQGQGG AKSKGSQ QE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149081 | NPNQTRM | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 153348 | ACTALQQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 114873 | KPDCTAED RP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107527 | NAKTKPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79608 | LRPDSIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.007 | -0.008 | t | 6688 | CNEKSFKD ILPKLTENP WQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 28676 | ISQAVHAA HAEINEAG R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.002 | t | 28676 | ISQAVHAA HAEINEAG R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.014 | -0.007 | -0.01 | t | 30407 | KEGLRNIT AGANPIEV KRG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.03 | -0.02 | -0.019 | -0.02 | t | 67802 | VAVRYVG ATTASIRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.033 | -0.03 | t | 105826 | GGLRILSP DRKRRQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 140938 | YLNATPAA KVLVEGNT DERG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.027 | -0.03 | -0.032 | t | 74048 | YGLPNWV KVWDRAT N | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.021 | -0.021 | t | 65374 | TNMKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.047 | 0.061 | 0.063 | t | 110388 | QSQTPETP ATPLSCCT ETQW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.021 | -0.02 | t | 137921 | LIKNPDV | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.009 | t | 158944 | KVQVQGP WDEEDIKL D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.052 | 0.047 | 0.052 | t | 95922 | TPEVDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 58921 | SKPTTKQR QNKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 24693 | HRMAWD MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.003 | 0.013 | t | 129661 | PVDGVVL VD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.019 | -0.02 | t | 97212 | ASIAGMFL TT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 135990 | SASVPALT AVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 135958 | LTAVETGH TSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 143941 | IDIINPAQ NRLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 144093 | THNHQVP LAIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 144059 | RKVPLLSG TLPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 135944 | KEQFEFAL TAVAEVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 121057 | VTVTFMLV WLINHHG WSVAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 117742 | AKAQTD EDLRTLLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 120699 | KMFPEVKE KGMAALP RL | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 120904 | RALKRRNA RTKAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 131344 | AIGDRSKT DRENSVSI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 131344 | AIGDRSKT DRENSVSI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 110468 | YYVLHLCL AATKYPLL KLLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 110602 | GLKAKPKF TLGKRKAT PTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 110652 | LCLIGCKPP IGEHWGK GSPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 111450 | KGSPCTNV AVNPGDC PPLEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 110685 | PMDTFIVS TNPNTVTS STPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 117348 | PTRAPSGP RPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 113400 | FKLGGRDS R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 113401 | FKLPGLNS R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 110293 | IPKPSPWA PKKHRRLS SDQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 113848 | SGKDGHH AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 110733 | VGENVPD DLYIKGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 111581 | NGICWGN QLFVTVVD TTRST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 110303 | KHRRLLSD QDQSQTP ETPAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 111583 | NKFGFPDT SFYNPDTQ RLVW | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 110388 | QSQTPETP ATPLSCCT ETQW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 111890 | VDNRECIS MDYKQTQ LCLIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 114463 | LTSRPAHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 111088 | ACQKHTP PAPKEDDP LKKYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 70016 | VMSGEMP STEDLVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 65797 | TPVGLAVD TPWVEKES ALSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 73595 | YDTRCFDS T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 65473 | TNVDQDL VGWPAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 63096 | TCRNMWS GT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 70026 | VMTVEIRK QNMTEF MELWSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 65473 | TNVDQDL VGWPAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 70270 | VPDKEVLY QQYDEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 66787 | TTQETVTT QETV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 68347 | VESMETT MRSPVFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 67746 | VASHVRV NVYLSAIN LECFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 68730 | VGMVVAH VLRLPQTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 70428 | VPPPRRRR AKVLTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 65473 | TNVDQDL VGWPAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 67922 | VDDPRSEE DKRFESHI ECRK | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|-------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 65515 | TPCAAEEQ KLPINA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 73004 | WQRSNAE FEQNLENA QWFAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 62993 | TASITSPLT TQNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 67531 | VAAQLAP PSAASAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 70427 | VPPRRKR TIQLDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 73614 | YEAADAIL HTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 67572 | VAESDGV DEDRAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 60473 | SQKIQLVN TNGSWH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 67647 | VAKLVTQE MFQNIK KIESQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 68334 | VERVLQD AKMDKRA V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 72326 | WDQMW KCLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 68027 | VDMVAGA HWGVLAG LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 61994 | STVSEEAS AEDVVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 65520 | TPCSAEEE KLPISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 65482 | TNWQKLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 65473 | TNVDQDL VGWPAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 67732 | VARDDKG RRYYLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 72236 | WAKHMW NFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 62924 | TALVVAQL LRIPQAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 42235 | MNPRNTV FDAKRLIG RKFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 53069 | RAALIEEG QRIAEM | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|-------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 56747 | SAEEKGTG KRNQIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 40980 | LYVGGPLT NSRGEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 50354 | QASDDGD KGSDVES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 54065 | RHLLCLLL LTVGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 60285 | SPTHYVPE SDAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 40724 | LYCGGPM FNSKGAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 50119 | PYKELRLE VGKQRLKY AQEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 43462 | NDKGRLSR AEIERMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 46532 | NWFGCT WMN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 44278 | NILKDNQ QKIEKAIEE ADEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 53276 | RCHARKA VAHINSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 48520 | PLVESWKR PDYQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 48521 | PLVETWKK PDYEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 42060 | MLSKYSLPI VEEPEDYK EAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 55643 | RRLHAWIT EDCPVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 54396 | RKNKGKDL STNLRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 55646 | RRLHQWIS SECTTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 44232 | NIGGEGN HNESPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 37833 | LLSVGVGIF LLPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 45464 | NPRENKLK QPGDRAD GQPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 57279 | SDSESCSS MPPLEG | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|-------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 52735 | QVLDSHY QDVLKEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 39253 | LRVHNKVY CTTSKSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 45464 | NPRENKLK QPGDRAD GQPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 42646 | MSRIAAG DLESSVDD PRSEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 53267 | RCEPVVCY LYGKRGG GKSLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 53240 | RAVVAPD KEVLYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 57508 | SEKTIWSLI AWQRSNA EFEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 39196 | LRRRLTAC ERAKRTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 54197 | RIMKVEFT QCSMNVV SKTLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 60285 | SPTHVPE SDAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 56448 | RVVVTDPK EILYEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 52228 | QRLKYAQE ELSNEVLP PPRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 47026 | PCKPLLRD DITFMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 50477 | QDIQPAV QASWPKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 54232 | RIRADFNA SMDLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 58366 | SHIECRKPY KELRLEVG KQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 37304 | LLFVGVL FLLPAR | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|-------|-------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 37021 | LKSKIQGLL QQASK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 59160 | SLIAWQRS NAEFEQNL ENAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 27554 | IMSGEKPS MEDVVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 25795 | IEEVALSTT GEIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 35292 | LDSMTEVE DDREPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10754 | DVTRIESES KVVVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10753 | DVTRIESD SKVIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 32984 | KQGGENF AYLTAYQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 18591 | GAGGTAG GSAGGSA GGSAGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 18053 | FTQCSTMN VVSKTLFR KSPIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 14889 | EVTRVGDF HYVTGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 22121 | GRLGIYRY VSTGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 33761 | KTLLSRFL WWLCYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 20657 | GKPALVPD KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 20654 | GKPAIIPDR E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 17278 | FPELKPGE SRHTSDH MSIYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 34135 | KVNFPHG MLDLEEIA ANSKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 22123 | GRLGTYRY VSSGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 17590 | FRGKELKK SIQPDEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 25010 | HTYTPHEL TRVASA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 27909 | IPKVMQLV SDFFRGKE LKKS | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|-------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 27979 | IPPPRGRV PQIEVTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 17589 | FRGETKTF NPEEVSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 15536 | FEGERAM TKDCHLLG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 30235 | KDRRSTGK SWGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 33504 | KSRYGFGA KEVRSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 33365 | KSKFGYGA KDVRNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10748 | DVTFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 33259 | KRYISWCL WWLQYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 33199 | KRNQIVLT NDKGRLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 31502 | KKDGKKAE PKNPRENK LDQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 32501 | KNGLENYA FSMKNAV NDPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 12571 | EIRQVGDF HYVTGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 27379 | ILTGGKSK QTEGLLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 24881 | HSYSPGEI NRVASC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 27599 | INCYTEGQ CVPKPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 22732 | GTKSLEPC TCGAVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 17531 | FQSFPSGE PSNSKLSG FFQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 25766 | IEEADKKT ITSAVEEAL EWL | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|-------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 29744 | KAAASKVK ANLLSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10833 | DWVCSVL ADFKAWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 36580 | LIKRNNTIP TKKSQIF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 25004 | HTYARFGI EIQVQINP TPFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 32635 | KNVVTGE VQVLYTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10813 | DWICTVLT DFKTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 16443 | FKQKALGL LQTATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 33043 | KQNIQLIN TNGSWH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 25009 | HTYSPHEL SRVAAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 34115 | KVLSPLQD NNDSGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 12921 | ELAAALRG MGINAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 27555 | IMSGEKPT VEDVVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 27494 | IMGGECPT AEDMVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 25497 | ICESAGVQ EDAASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 25770 | IEEGQRIAE ML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 29938 | KARRSEGR SWAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 36192 | LGKQVKKA VVTVPAYF NDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10812 | DWICEVLS DFKTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 24694 | HRMAWD MMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 32684 | KPDYEPV VHGCP LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 33776 | KTMIRFGD VGLDLDFS AFDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 22491 | GSRTLGA KHPALQ | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|-------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 23797 | HFLCTFTF NSNNKEYT FPIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 383 | AAPYIEQA QVIAHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 7063 | CSQHLPYI EQGMQLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 4059 | AQRVEFLL KAWAEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 5368 | AVIEPIVAT NWQKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 6060 | CCDLAPEA RQAIKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 6061 | CCDLDPQ ARVAIKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 1758 | AHFTDEFK RKNKGKDL STNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 92 | AADMIMH TPGCVPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 6067 | CCNLEPEA RKVISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 7705 | DCHLLGTE ELSGIPPP RGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10149 | DSITWQL QAAVLHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 4912 | ATCMQVN LEIMTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 82 | AADAILHT PGCVPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 568 | ACKPLLRE DVTFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 2226 | AKKVPETF PELKPGES RHTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10131 | DSGSRTTP DELALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 848 | AEDAAEIS VPAEIL | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 1470 | AGDLESSV DDPRSEED KRFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 600 | ACSLPQEA RTAIHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 1523 | AGGGQG QNNEGAN APNEDSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 9511 | DNNDSGH STGADTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 5380 | AVILLMCA VHPTLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 3508 | APDKEVLY EAFDEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 5066 | ATNGDTH LGGEDFD N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 2365 | ALAALAEK SFPSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 652 | ADDVILHT PGCVPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 8494 | DGSNVLA ALAALAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 6233 | CFKKPPKY PPALPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 4911 | ATCMQAD LEVMTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10080 | DSAVAEFF QSFPSGEP SNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 8409 | DGIMQTT CPCGAQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 8408 | DGIMHTR CHCGAEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 9043 | DLDFSADF ASLSPFMI REAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.029 | 0.023 | 0.03 | t | 432 | AASGDPTS PDNIDS | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.033 | -0.038 | t | 134010 | APDDRSYK SQYLNNG PQRIG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156875 | GHTSLR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | -0.001 | t | 130986 | NPIENMM DRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.014 | -0.007 | 0 | t | 127652 | FISPRPGQ NVLR | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.008 | -0.009 | -0.009 | t | 37372 | LLGTTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.008 | -0.009 | -0.009 | t | 37372 | LLGTTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 37171 | LLDPSFDY FQLYTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 43233 | NANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114988 | YGNKCNF CNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115569 | YQGPIVLN PWDQVKR NAVPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 115795 | IPTINTIAS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78309 | WHTLLAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.032 | 0.04 | 0.04 | 0.042 | t | 156941 | PTEKKHV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.007 | -0.002 | t | 37657 | LLPHSNLD HI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.009 | 0.01 | t | 72571 | WIARFDT DKDGKVSL EEFCR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.009 | 0.01 | t | 72571 | WIARFDT DKDGKVSL EEFCR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.001 | 0.009 | 0.01 | t | 72571 | WIARFDT DKDGKVSL EEFCR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.017 | -0.02 | t | 11420 | EDPVLAKK VPETFPEL KPGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.012 | t | 52090 | QQPFSQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.081 | -0.077 | -0.071 | t | 133687 | SAEALLRL QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.034 | t | 56145 | RTPEVDDE ALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.02 | 0.013 | 0.013 | t | 140665 | DTAAQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.001 | t | 50636 | QELDCWH YHQYCITS | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.029 | t | 153254 | ERHTKFPS V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.037 | 0.03 | 0.03 | t | 25200 | HYTNESKF KFILE | Mus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 142007 | SDWRFLR GYHQYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 138315 | DAFGGVYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.021 | -0.02 | t | 18929 | GCVVSWK NK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.007 | 0.002 | t | 112983 | FTVFEEAF ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.017 | 0.023 | t | 146990 | GPGTIKKIS F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.051 | -0.047 | -0.052 | t | 49248 | PRRRRSQS PRRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.029 | -0.027 | -0.02 | t | 117399 | VMIKSLPA LNSPTVEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.029 | -0.027 | -0.02 | t | 117399 | VMIKSLPA LNSPTVEE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.044 | -0.041 | -0.039 | t | 68154 | VEEARNYT PTPPPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.061 | 0.051 | 0.048 | t | 57880 | SFRGSAQG IEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156444 | RPSRQEG GQGQQQF Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 131934 | KNKQGW GDGQKSS QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 100427 | QKNAPKTF QF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115450 | QPTTMAR HPHPHLSF MAIPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 106555 | KARLERPQ IRVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 112038 | ARMRDGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.003 | -0.009 | t | 108052 | NWLSLITA AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.04 | 0.029 | 0.029 | t | 68052 | VDQYSNQ NNF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 68969 | VIGHEITH GFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.01 | t | 110761 | AENPTNY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 72363 | WENWM MGNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 58112 | SGKPAIPD REVLRYEF DEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | -0.007 | t | 106943 | TYQYSPYP EPVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 599 | ACSLPEEA HTAIHS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.046 | -0.046 | -0.039 | t | 27553 | IMSALAM VYLGAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.019 | -0.021 | -0.022 | t | 37031 | LKTFGEW RERVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.027 | t | 2040 | AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.007 | -0.01 | t | 10834 | DWVCTILT DFKNWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.007 | -0.01 | t | 10834 | DWVCTILT DFKNWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.033 | 0.049 | 0.053 | t | 82657 | GGYEFLLA NDVDNSN PVVQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132930 | WGNNYT SQIRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.041 | 0.03 | 0.028 | t | 111670 | QIKVSTAV DTGVLGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115799 | IRCEKDER FF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119647 | SRWQQG NV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123861 | YEEHLYGR N | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 92799 | GERITSKQ VD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 135191 | NLKTTPRV GGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 135471 | KDKATFGC HDGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 146185 | DAEFGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 134418 | KGAIIGLM VGGVV | Homo sapiens |

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|---|------|---|---|---|---|---|---|-------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 138812 | SSVLYGGP PSAA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 123562 | NSSSSQFQ IHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 131710 | TPDAPGET V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119601 | KGNNVHG FQKQIIRSF Y | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 131900 | GSSFLSPE HQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105163 | EFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 113628 | LRLIHYSYD VN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 104443 | DAEFRHDS GYE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 102510 | HHQKLVFF AEDVGSN K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 112901 | AEYYNKQY LEQTRAE LDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 103839 | DAEFRHDS GYEVH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 106321 | DAEFRH | Mus musculus |

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|---|------|---|---|---|---|---|---|-------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105835 | GLKGEQG EPGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 114192 | AEYWNSQ PEILERTRA E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 114193 | AEYYNKQY LEQTRAE LDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 116111 | KGQGQKA KMRCIPEK GH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105090 | AIIGLMVG GVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105869 | IAGFKGEQ GPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 113879 | SQRSQDE N | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 116080 | ATGGTLQ QLFYSITV GQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 113628 | LRLIHYSYD VN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 102344 | DAEFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 116080 | ATGGTLQ QLFYSTITV GQV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 94552 | IEDNWYT HYLVCNYG PGGND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 64587 | TKINADNP VPILELE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 41567 | MGETLLRA VESYLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43411 | NDDASVD FVAEPVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 56469 | RWAPTGA PADVTDQ L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43411 | NDDASVD FVAEPVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 63231 | TDSGDGR QTITN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.02 | 0.018 | 0.01 | t | 23722 | HEPQISPG GLEPPSEK HFRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.013 | -0.014 | t | 54229 | RIQRGSGR AFVTIGK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.012 | -0.02 | -0.021 | t | 79923 | LVCGIAAK LGAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.046 | 0.043 | 0.039 | t | 21019 | GLLQTASR QAEVIAPA VQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.001 | t | 14670 | EVDNEQP TTRAQKLF A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.002 | 0 | 0.001 | t | 14670 | EVDNEQP TTRAQKLF A | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.021 | t | 72553 | WHTTIPPV FDEP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.002 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151716 | RLASLSEKP PAIDWAYY RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.011 | 0.008 | t | 42248 | MNWSPTT CL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.011 | 0.008 | t | 42248 | MNWSPTT CL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | -0.008 | t | 115892 | PNGYKVSR PSQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.001 | t | 153284 | PTPLSPPLR NTHPQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 99838 | QQRPFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | -0.001 | 0.001 | t | 43242 | NANPNAN PNANP | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 11815 | EENVEENV EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.023 | -0.02 | t | 21723 | GPPAAGP PAAGPPA A | Homo sapiens |

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|---|------|---|---|------|-------|--------|-------|-------|---|--------|--------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.002 | t | 125230 | RERRGIAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.035 | 0.037 | 0.042 | t | 99788 | YNQGLSER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 149384 | MSLPGRW KPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 146624 | WNWFDIT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 156903 | KNRGIKTF SN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 156553 | YSTCYFIM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 149298 | ELDKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 103643 | TGALQERS K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105163 | EFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 69178 | VKAETRLN PDLQPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 75949 | YTASARGD LAHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 45932 | NSNNPDW DF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9524 | DNPASTT NKDK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 48779 | PPFSLSPV PTLGSRSR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | -0.001 | 0 | t | 24015 | HHRGAAP NS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.007 | -0.01 | t | 29378 | IVNTLNEIY RYLYVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123862 | YERDDGEK W | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122417 | ITREPEPRL RFSQNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101937 | NPNPTCN EN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123185 | FMSRIEAL P | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 104746 | DANKPYS WRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.013 | 0.01 | 0.009 | t | 57307 | SDVININIY NPCVVPNI NNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 135075 | KNDVVNS QDKTEKTE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.05 | 0.05 | 0.05 | t | 28375 | IRQLESIVD KLNRSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.002 | 0.011 | 0.016 | t | 15972 | FGEVFNAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 97287 | ETPLTETAL KWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.033 | -0.04 | -0.041 | t | 132802 | ESTLHLVLR LR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 99448 | LRNLPQQC GLRAPQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 118019 | MGRGAPP PGMMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 56583 | RYLQEKYN LYNSDVFD GKVQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 56583 | RYLQEKYN LYNSDVFD GKVQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 56583 | RYLQEKYN LYNSDVFD GKVQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 56583 | RYLQEKYN LYNSDVFD GKVQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 21424 | GNFGDQD LIRQGTDY KHW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.01 | t | 97191 | AKPTGSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.023 | 0.03 | 0.033 | t | 45824 | NSGILKDF WGDYLQY DKPY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | -0.003 | -0.002 | t | 10277 | DSYGRDPY SPSQDPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.013 | 0.012 | t | 51166 | QKALGLLQ T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.031 | t | 133705 | SSKTRSG VHLVGPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.031 | 0.03 | t | 131050 | RRAEITHP GMMLASG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.029 | -0.02 | -0.018 | t | 124998 | CLQMNNK DMVAIKH LLSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.02 | -0.018 | t | 124998 | CLQMNNK DMVAIKH LLSE | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.039 | 0.04 | 0.038 | t | 94496 | EEEEYMP MEDLYLDI LPEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.035 | 0.03 | 0.031 | t | 118139 | SIPWKS LTLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.022 | t | 62675 | SYPNPVRV EAAWRILE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 106376 | EEKKGNV VTDH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.023 | -0.027 | -0.033 | t | 64563 | TKFPSVYA WERKKISN CVAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.024 | 0.009 | 0.009 | t | 142159 | GAPTYSW GANDTDV | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.019 | -0.017 | -0.02 | t | 15624 | FEQPTLTF GAGVNVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.024 | -0.011 | -0.01 | t | 75455 | YQAKLTAY QTELARVQ KAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 130924 | KLFPEEDE MRTETQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.021 | -0.02 | t | 78816 | RQEIRKA WVKGMP YMDFSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 158746 | ETKAFLKA GDADGDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 158746 | ETKAFLKA GDADGDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 116808 | QFRHDWY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 116016 | VLGPVRGP FP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 108272 | ALARLMP GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115922 | QPIRCEKD ER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.016 | 0.019 | 0.02 | t | 4149 | ARGSLAVT I | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 144664 | GREGYP DGGGLPD SVKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 145725 | CKQAGTC PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 111193 | DGPAGQA EPDRAHY NI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 62347 | SVTEEIAEE DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | -0.004 | t | 133642 | MCPEMSF VAVHSCA R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.009 | 0.011 | t | 56557 | RYIWIKYF NLFDKELN EKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 19728 | GGFSSDPG FLLRPRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 149416 | PQQPISQ QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.013 | 0.011 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.017 | 0.013 | 0.011 | t | 14435 | ETIYNTTLK Y | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117069 | QRYYSTRP RAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.001 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.001 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.045 | 0.029 | 0.028 | t | 9520 | DNNQTSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.009 | -0.01 | -0.009 | t | 37690 | LLPSRRGD QLTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.01 | -0.013 | -0.01 | t | 156871 | FQNIASM PHLYV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.017 | -0.02 | -0.02 | t | 97534 | NVSLSNGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.017 | -0.02 | -0.02 | t | 97534 | NVSLSNGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.01 | t | 11820 | EENVEHD AEENVEEN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.023 | 0.02 | 0.024 | t | 125127 | LDPENLTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.001 | t | 153252 | DHQLDPA FRANTAN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.016 | -0.02 | -0.021 | t | 48557 | PMIHFGN DWEDRY REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.043 | -0.043 | -0.049 | t | 108182 | VDLMTIRS CR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.04 | 0.04 | t | 44004 | NGITSLNH T | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79830 | FMQQRPL RMFLGPK QLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79830 | FMQQRPL RMFLGPK QLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.012 | -0.02 | -0.022 | t | 23402 | GYLMDHE GCKLSCFI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 91407 | GQPAVRN ERATGSG N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144805 | VCSARHVP EYIEKLPEI RAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121846 | SGVCLLPRI SDVVSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 102565 | KKYKIWM HVDAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 103580 | SAFAAKAG LMRHTIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.04 | 0.04 | t | 125045 | FEEQEDEII GFGQELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.033 | -0.04 | t | 119503 | NRKLKSN MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.036 | 0.037 | 0.031 | t | 105886 | IPSTVKAG ELEKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 133795 | DFTYDQV AFNGLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.031 | t | 108202 | VVSHFND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 54468 | RLAKLSDG VAVLKVG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.034 | -0.04 | -0.048 | t | 116685 | CPAGWISL WKGFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.022 | t | 6129 | CDPTMDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.022 | t | 6129 | CDPTMDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 149417 | PQQQYPS GQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156916 | LNEKQCTR PCLHLT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | -0.01 | t | 25031 | HVDTSYEC DIPIGAGIC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.021 | -0.013 | -0.007 | t | 30052 | KCEVFREL KDLKGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0 | t | 94837 | GTCKELKK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.022 | -0.02 | t | 20653 | GKPAIIPDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.023 | -0.02 | t | 111589 | NLIRHVGG GTPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.008 | 0.02 | 0.02 | 0.02 | t | 63825 | TGFSNLFN LGSQQKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.012 | 0.012 | t | 70674 | VQWPCLS KQCNDNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.002 | t | 133674 | RHRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.002 | t | 125552 | RRFEYDDP RFLRLDLA QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.028 | -0.02 | -0.021 | t | 12229 | EGNARLA QAQEEAL RDVLN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.019 | -0.021 | t | 132066 | SLRNSPEF QKLLGI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 72324 | WDQKLW CRHFCVLA D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 157951 | SKRYAKA MAKMGLK | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.006 | 0.01 | 0.012 | t | 91158 | AVNGNM ALDDIHAQ I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 96011 | YCSTWDA NKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.03 | -0.022 | t | 114940 | RPLCGSDN KT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 131848 | DPRVLSNS GWGQTPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95094 | IGFRGLDG VHCTPTTD SGVI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 96748 | PQEIRDVL SK | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103511 | QAQYVAQ LHVWARR E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 46348 | NVDENAN A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 96214 | EEEDKKRK EE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.03 | t | 75789 | YSLFHKEK MIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0.003 | -0.003 | t | 134220 | RQGAEP KNFVKPNE TKTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.048 | -0.05 | t | 29744 | KAAASKVK ANLLSV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.01 | t | 149312 | FEEIRNLAL Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.03 | -0.03 | t | 100244 | LANAYSHF YDGFAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.009 | t | 97726 | VETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.023 | -0.021 | t | 99453 | LRWLGPS AEYGNLYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.019 | -0.018 | t | 8981 | DKRFLC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 24249 | HLLRLSEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.03 | -0.03 | -0.03 | t | 123489 | MGIPPGR G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.026 | -0.021 | -0.02 | t | 68420 | VFACAPDR CP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 144669 | GREGYP A DGGTECTL KKG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.041 | -0.042 | t | 131022 | QSGRKGA DIM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.009 | t | 156601 | ADEPNNL NSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.008 | t | 19256 | GEEYLILSA R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.043 | 0.042 | t | 95512 | KNYIGYSG TGEG | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0 | 0.008 | 0.013 | t | 157111 | ASDACDKI RYQSLT | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 158669 | ADIKTALE ARKAADT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112145 | GSGSGTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149065 | LGPNHTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 73513 | YCYGLPN WVKVWD RA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121740 | QCSLAITIR PWMLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 121740 | QCSLAITIR PWMLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 127557 | ACAPVPAE PLSK | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 79281 | LCAPCAVP GNEAWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 67263 | TWHLPSH HSRRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 77784 | HLGLRRG MFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 123409 | KWPLNSW IA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0.001 | t | 153836 | HGPKATL QDIVLHLE P | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.017 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117410 | YLQTPMT VHPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.026 | -0.022 | t | 38630 | LPPTVMFP PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.044 | t | 133611 | IVSYLCDLA PEAPPPTL PP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 153419 | LTPPPWQ NPFPPGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.02 | t | 149432 | QPISQQQ QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 145726 | CKQAGTC PPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.01 | 0.01 | 0.012 | t | 38428 | LPDDFFPKI DDLVR | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | 0.003 | 0.003 | t | 106779 | RKPLSPG MTGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.03 | 0.023 | 0.02 | t | 159042 | NTFVVDG PETKECPT A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 153835 | HGDTPTLH EYMLDLQ P | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.01 | -0.011 | t | 153907 | YSKISEYRH YCYSLYGT TLE | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.029 | 0.02 | 0.02 | t | 78629 | DQKPPSR QSQIESR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 60663 | SRGAPGG GFVPSLQG VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.045 | -0.047 | -0.043 | t | 131104 | TGALFKHS ENYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.02 | 0.019 | t | 6763 | CPFLKQNE PEDIDCW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | -0.003 | -0.002 | t | 4864 | ATAANAA PTNDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112396 | WASTRES | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 97745 | VNKAGASIG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79565 | HFTTRL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 158585 | APPHVMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 158597 | KWPIIDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 158585 | APPHVMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 133958 | WIRLNF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.031 | 0.032 | t | 67156 | TVSLPVGA DEDDIKAT YDKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 79400 | SRPTML | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79226 | GCEMSCEI ALVVCH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130815 | ESDPPVAS YQWRLIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 31002 | KGLNGLFD LGPKQKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.067 | -0.06 | -0.06 | t | 28396 | IRSAEVVS RMLVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123550 | NNLNEKIK DELKK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.001 | t | 106341 | DIQMTQS PSSLSASV GDRV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.031 | -0.021 | -0.02 | -0.02 | t | 61630 | STGNLLTR LSSLKTPLN HKS | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.02 | t | 128148 | WTLGPYV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.042 | -0.049 | -0.052 | t | 12184 | EGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.04 | -0.04 | -0.04 | t | 123150 | ESKRFIKW P | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 9845 | DQGNSDT SWNFAAK YLLETI | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 118374 | GKALCWV CAQSRKH RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.001 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.046 | -0.047 | -0.048 | t | 24842 | HSQWNKP SKPKTNM K | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.019 | t | 125358 | AETVESCL AKSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.02 | 0.02 | t | 78863 | TPSMDALS AQLYSSL DSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.02 | 0.02 | t | 78863 | TPSMDALS AQLYSSL DSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0.003 | t | 28909 | ITGHRMA WDM | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 153372 | DTELTQQA LRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.038 | 0.036 | 0.033 | t | 114505 | PAPADLFF KNADINV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 118019 | MGRGAPP PGMMG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.006 | 0 | 0.002 | t | 98433 | RVQKANA DAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117909 | HKGFKGV D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 158910 | KNLDIDPK LQEYLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 45177 | NNMEENI NILKNEGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.013 | 0.013 | t | 115406 | NRKVKPTT EGGVETE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.018 | t | 17640 | FRRLGAAL LQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153414 | LPHWHPH SHLQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103384 | LQAHPHA VNGTAMR E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 141562 | SIVQRSEN NGVRPDV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103037 | AKVRRER MGHIELAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 104745 | CSTWDAN KPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 90647 | WYSLNGKI RAVDVPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.06 | 0.051 | 0.05 | t | 73015 | WQWTWL CEHPPP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 139225 | REAEQRR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 118226 | WWEEERY PEGIKWKF LEHKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.01 | -0.008 | t | 95003 | CTKPSDGN C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.022 | 0.013 | 0.009 | t | 78402 | GLPNDWS GRQASGT R | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 147380 | VNIKFSGV CHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.018 | t | 45420 | NPNDPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.018 | t | 45420 | NPNDPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.022 | t | 137947 | PNTMKTQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 106308 | CKCIVRAT KGIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.052 | -0.05 | -0.05 | t | 53800 | RFVKTPSK KKTKSR | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.042 | -0.05 | -0.053 | t | 113875 | SNRRPSTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 1206 | AEVDCSRF PNATDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.011 | -0.012 | t | 123636 | PVGPAPG MRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.048 | -0.05 | -0.05 | t | 93488 | NGTLFSWL PALASNFD Q | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.036 | -0.042 | t | 135970 | PPGMRPP MGPMGIP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 119474 | KIRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.01 | -0.008 | t | 121065 | WLKVKILP EVKEKHEF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.003 | -0.01 | t | 141664 | GSFTVRAD HGEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.02 | t | 921 | AEGEFCSP PDSPGVC GDPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.02 | t | 921 | AEGEFCSP PDSPGVC GDPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.043 | 0.042 | t | 130987 | NPVENM MDRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107527 | NAKTKPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 151034 | NERTLDYH DSNVKLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 140575 | LLDDGFW PRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78302 | WHRLAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 93256 | LLHGGKG DDI | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.038 | -0.037 | -0.027 | -0.03 | t | 123809 | VAVESRN GSRLHFNK | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.023 | 0.02 | t | 65520 | TPCSAEEE KLPISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142428 | KAQKEATA AKLKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.017 | -0.018 | t | 75539 | YQQQGRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.018 | -0.02 | -0.02 | t | 73607 | YDWRAD WVKGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.01 | 0.01 | t | 82762 | GLMVWCI ENGTSNP VNGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 140459 | EHWSHD MFSPGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.018 | 0.01 | 0.012 | t | 141053 | LTPDTQYE FQVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.022 | t | 110275 | GPVGPSD PSIVSLVEE TSFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 135930 | GDKVSFFC KNKEKCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.023 | 0.022 | t | 78153 | FDPQIQAI VSSPCHNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.003 | 0 | t | 123849 | WQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 121875 | SRERSKDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.041 | -0.03 | -0.028 | t | 111440 | KCDSTLRL CVQSTHV DIRTL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.041 | -0.03 | -0.028 | t | 111440 | KCDSTLRL CVQSTHV DIRTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153379 | EQEFTNIT DRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79564 | HAIYRPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 14952 | EWSPCSVT CGKGTRSR KR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.01 | 0 | 0.001 | t | 38617 | LPPIQNTR NVVP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 118288 | DDRNLNKVI SELNGKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.01 | -0.01 | -0.008 | t | 156871 | FQNIASM PHLYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 75949 | YTASARGD LAHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.02 | t | 11987 | EFEPVGSA PPSEGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.03 | t | 159130 | SRLEHLM WESIQKEL N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.054 | 0.041 | 0.042 | t | 60589 | SQVYTTSE YPSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.032 | -0.041 | -0.047 | t | 9479 | DNIHVKM RKVIMNN DKSELI | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.02 | t | 137936 | NIDIGLKG KVLT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 100153 | INDQIKFI N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 29812 | KAGSTVYA VTAVTSIFS VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.061 | -0.06 | t | 151023 | LCKLRGVA PLHLGKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.009 | 0 | -0.002 | t | 79778 | DGVREARS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.009 | 0 | -0.002 | t | 79778 | DGVREARS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.03 | t | 34103 | KVLHKRTL GLSAMSTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.023 | -0.022 | t | 48988 | PQEFSKKY LQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.012 | t | 95552 | LKFILNTVN GTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 62347 | SVTEEIAEE DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 48779 | PPFSLSPV PTLGSRSR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.013 | -0.011 | t | 39423 | LSHNPGAS ALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.041 | 0.027 | 0.028 | t | 66935 | TVAFNQF GPNAGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.027 | -0.028 | t | 5568 | AVTMGPK GRT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.011 | -0.007 | t | 153288 | SDPRKMCI Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 15918 | FFTEVDGV RLHRYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.008 | 0 | -0.002 | t | 140592 | PYHQLTH GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.007 | 0.01 | t | 158834 | IGFASKSA DDVKKAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112353 | TGSGSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.041 | -0.042 | t | 45646 | NQYGRIRV LQRFNQR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112194 | LAHIWWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 135989 | RVLAPHLT RAYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.031 | -0.029 | t | 60671 | SRGKGPG KKNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.02 | -0.021 | t | 58377 | SHLKLFTIK YVDVNTN ELLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.011 | 0.019 | t | 135647 | DAKPGQF P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.011 | t | 48838 | PPNAPILST LPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.008 | 0.01 | 0.01 | t | 44563 | NKNTLQA RQQTVSA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.028 | t | 107517 | LSTNEVA M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | -0.007 | -0.001 | t | 122097 | FPGWQPG MPTIPTAP PTTPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.068 | -0.071 | -0.071 | t | 46899 | PAPRRKFQ QVKRL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.03 | t | 126111 | GHCQGDG YRVGFGQ C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.033 | 0.031 | t | 139499 | FGEFSFQY DCSSWGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.019 | t | 106316 | CSGTKKLS EEVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.011 | 0.007 | 0.007 | t | 114960 | TAEDRPLC GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.042 | -0.05 | -0.052 | t | 121292 | FATFVYAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.023 | -0.017 | -0.02 | t | 76157 | YTPVEEKQ NGRMIVIV AKKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.049 | 0.043 | t | 130987 | NPVENM MDRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.021 | -0.012 | -0.01 | t | 17278 | FPELKPGE SRHTSDH MSIYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 117745 | ALLRNLGK MTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | -0.002 | t | 36831 | LKEKHTDL GKEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.029 | 0.033 | 0.032 | t | 106597 | LDLKRTTT THTSGGG C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.009 | t | 153480 | TPSWRNP FPTFYGGG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 58228 | SGSGANN SSSSGSGSI YN | Sus crofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.033 | -0.03 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 56396 | RVRGLYLP AGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 142439 | LARLARLG EACG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103695 | VGPGRWD EDGEKRIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99269 | GEQEERG QRRWSTR S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79679 | WHQVSLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78302 | WHRLAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 67931 | VDEKKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 71284 | VTEEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 63077 | TCGVGVR VRRRVNA ANKKPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 31116 | KHIDAYKT FPPTPEKK DKKK | Macaca cyclopis |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 134694 | ISPFCLK | MD |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.01 | -0.02 | -0.019 | t | 74497 | YKQKIIAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.009 | -0.01 | t | 56017 | RTALNCN DSLQTGFL AALFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.032 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.042 | -0.04 | -0.041 | t | 5992 | CAKKVWR DHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.013 | -0.009 | t | 131317 | VEALYLVC GERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 136421 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.021 | -0.017 | -0.012 | t | 122115 | IKGANDLA KFHQMLM KIIMK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.01 | -0.003 | -0.002 | t | 68903 | VIAGMDW AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0 | -0.01 | -0.01 | t | 55595 | RRHFLDQR Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.002 | -0.019 | -0.02 | t | 57860 | SFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.003 | 0.01 | t | 102972 | YVLSSLHIY WGKEDDY GSNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.023 | -0.031 | -0.032 | t | 6956 | CRWPDVL LWC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.058 | 0.053 | 0.06 | t | 118338 | ESEESDDD MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.002 | 0 | t | 79059 | RIQSTWR QKTVDLPA GTKYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.011 | t | 107229 | RHEVTEM GQEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 55260 | RPPNAP | Mus musculu s |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.022 | 0.023 | 0.023 | t | 120168 | RGWKHSV TYSGGPD TPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135718 | LTRAEAVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134763 | PSLGASSH QHSRRRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108281 | APSSLAGN G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108296 | CKYAWSR C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112074 | DGAWFAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79660 | TPHNPAI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.033 | -0.032 | t | 41056 | MAKLVL SLCFLFSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 139512 | GPRVVER HQSACKD S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 77908 | HSWDKNS SIWWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 139520 | HIRLSPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | 0.002 | t | 21729 | GPPLGCLS LSCYDVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.045 | 0.047 | 0.04 | 0.039 | t | 132856 | LEDGRTL SDYNIQKES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 79411 | TCKQLKAH PPLACM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.017 | -0.02 | t | 72755 | WLLSPRGS RPSWGPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.01 | t | 21500 | GNPTYSW GENDTDV LLNNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 124737 | SPWTLGA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.048 | -0.04 | -0.04 | -0.039 | t | 136509 | MMKKTRK RTKRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 117118 | YPLHLNTD YSTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.008 | t | 139202 | QIWYERTL PFTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.012 | 0.012 | t | 107027 | YQTPASRL WLLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.009 | 0 | 0.003 | t | 139225 | REAEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 921 | AEGEFCSP PDSPGVC GDPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.021 | -0.022 | t | 16551 | FLDLMRA VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.031 | t | 144785 | SKSIGWAD EEGRTKRY ALVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.018 | t | 129931 | SKPRAKSG ARKSPKKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115435 | QEQNQEQ PIRCEKDE RFFSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.022 | 0.02 | 0.022 | t | 39290 | LSAVDDLA TVVYGSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135747 | RAEAVFPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 124279 | HPLASSLH A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123581 | PGQIPPGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98176 | KNTNNNL TLV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115933 | QWQVLSN TVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98176 | KNTNNNL TLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78266 | RYNPPD | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78234 | PHSNLWH G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 158612 | SHRPTTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 130759 | CRQSRKRP C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 124588 | PQEETLQA FDSHYDYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 121287 | EYFIRK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 120716 | KSAIEGVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 104569 | MASPGSG FWSFGSE DGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 143328 | DEGDTDLY DYYPEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.033 | 0.033 | t | 106573 | KPTYSPYP FSMP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 135965 | NIISDAMK KVGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.016 | -0.011 | -0.02 | t | 56807 | SAHGTSTG VRGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.003 | t | 100508 | SGYEVHH QKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.039 | -0.027 | -0.029 | t | 115058 | GNAEVHA SFFDIGGS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 142201 | KGLRRDLD ASREAKKQ VEKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.013 | 0.014 | t | 1254 | AFAQAPT HQLSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.009 | 0.003 | 0 | t | 62024 | STYSMSFT WSWESGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.041 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.041 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 106358 | DVHVMN V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.031 | 0.033 | 0.041 | t | 113679 | PEVPEVED E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.021 | t | 17564 | FRASTDYP VFGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.046 | -0.04 | -0.04 | t | 35236 | LDNIKGNV GKNEDIYK KNKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.01 | 0.017 | 0.02 | t | 35285 | LDRRVQD VNDTISDV KQKWR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.029 | 0.023 | t | 131020 | QLSPESDY DDHGMRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 72910 | WNSTTFH QTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.012 | t | 75659 | YRPLPGPT PPMRARL PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.021 | 0.027 | t | 32010 | KLLSVEEA CK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.033 | t | 57119 | SCMVCVD RSSLSSW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.02 | -0.03 | -0.033 | t | 57119 | SCMVCVD RSSLSSW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | -0.003 | 0 | t | 106345 | DKANVLFR CD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.005 | -0.01 | -0.01 | t | 140764 | VRAVAND LK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.01 | t | 132641 | RVDKVDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99363 | IYRLRGRA HVQVDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97594 | QTPLTETA LKWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 97594 | QTPLTETA LKWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.019 | t | 108498 | KIHAREIFD SRGNPTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 141073 | REGVRWR VMAIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 151036 | NLLEDKHN GKLCKLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.019 | -0.02 | t | 72291 | WDEDGAK RIPVDVSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.005 | t | 133608 | INTTVCAG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.023 | -0.013 | 0 | 0.005 | t | 61827 | STPPLPWP WSPAAL | Mustela |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.008 | t | 73421 | YAPSSLLP HSVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.028 | 0.03 | t | 75890 | YSSMPPLE GEPGDPD LSDGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.02 | t | 133647 | MMHVER KEC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.02 | 0.02 | t | 141758 | SWRNNILR TQES | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.019 | -0.02 | t | 61792 | STNPKPQR KTKRNTNR RPQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.023 | -0.02 | t | 35840 | LFGKGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.055 | -0.051 | -0.05 | t | 109729 | PRGLPGER | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 1186 | AETHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 153281 | PLRNTHPQ AMQWNS T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0.003 | t | 133672 | RGGMR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.021 | -0.02 | t | 138840 | DREQAPN LVYM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.02 | 0.021 | t | 146244 | FKIDALNE NKV | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.021 | 0.017 | 0.021 | t | 99242 | FEVKPDKK NPQLQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.023 | 0.029 | t | 130643 | YSLLEPYT FDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.053 | 0.061 | t | 131128 | VEMKKED FDIYDEDE | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.008 | t | 133288 | PRRRSRKP EA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.001 | t | 24391 | HNNQRLM LYGMH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | 0.003 | -0.002 | t | 17360 | FPQFKPEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.044 | -0.04 | -0.038 | t | 17639 | FRRLGAAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.009 | -0.01 | t | 98152 | KDKIEKVS IY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.009 | -0.01 | t | 98152 | KDKIEKVS IY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.019 | -0.013 | -0.009 | t | 106196 | YGLPREQA RQLKNNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.008 | 0 | 0 | t | 72485 | WGNGCGL FGKGSIDT CAKFA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.012 | 0.007 | 0.01 | t | 95976 | VPITPTLN RE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79225 | GCAIPQNA IRPPCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78236 | PHSSLWHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 99240 | FECAGVAL SRLVLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.011 | t | 94569 | KNEILKRH NDFRQNV AKGLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.023 | -0.03 | t | 105976 | NGVTLG YTS GTCQGN ASATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 156236 | AFLPVGAF NSDNFKSK GRG | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|-------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 78643 | EQGMQLA EQFKQKAL GL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 62003 | STWHVLVS PNVSVPS SSTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 64769 | TLEEFSAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 61578 | STEGNVTG MFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 66933 | TVAEEHVE EPTVAEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 85672 | LPHSLNDH ILEPSIPWK SK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 96521 | KVTKEKPT PP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 61124 | SSIVYEAA DMIMHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 78872 | VIPDREVL YQEFDEM EECAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 60680 | SRGNHVS PTHYVPES DAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 78153 | FDPQIQAI VSSPCHNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 97049 | VKPTAPTK PT | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 72087 | VYLLPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 78766 | PRGSRPS WGPTDPR RR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 75662 | YRPPNAPI LSTLPETT | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|-------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 66933 | TVAAEHVE EPTVAEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 56918 | SANNDAEI GNLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 58077 | SGHRMA WDMMM NW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 42795 | MTEQQW NFAGIEAA AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 38397 | LPAHGPSL S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 58073 | SGHMAW DMMNWS PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 48955 | PPYVEPTA PQVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 46500 | NVTSIHSL DEGKQSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 42416 | MQTLWDE IMDINKRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 55211 | RPLIDFDQ GWGPISY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 48870 | PPPPSSPT HDPDSD PQIPP | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 42416 | MQTLWDE IMDINKRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 20650 | GKNRAIN MLKRGLP R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 25541 | IDAVNKRG RKQNKRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 23032 | GVLAKDV RFSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 35193 | LDKAFHLL L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 26622 | IIPDREVLV REFDEMEME C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | -0.003 | 0 | t | 21571 | GPARRGA PY | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 24108 | HITQQHRP VSDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 33747 | KTKRNTNR RPQDVKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 35817 | LFDYNEKV DNLGRSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 7472 | DAATAQTL QAFLHWA ITDGN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 8785 | DISQLTQAI VKNHKNNL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 60 | AAASAIQG NVTSIHSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 9924 | DQVHFQP LPPAVVKL SDALI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | -0.001 | 0 | t | 72549 | WHRHWP SHPTQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.004 | -0.009 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.003 | -0.01 | -0.009 | t | 43470 | NDKLYRM EYWKTICK DVW | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.013 | 0.012 | t | 86 | AADHCPV VEVNGVTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.02 | -0.028 | t | 116688 | CYYASRND KSYWLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | -0.001 | t | 122386 | GRLERPSE PRLPLLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.01 | t | 97442 | LFGVKGTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 127242 | TRVPMDA FQVGKFPE DFESC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 122083 | DPNIKLVL DDCWATS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 51775 | QNTRNIVP VSIVSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.01 | -0.019 | -0.02 | t | 49516 | PSSRRYPF V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.023 | 0.022 | t | 117742 | AKAQTDR EDLRTLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 29378 | IVNTLNEIY RYLYVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.051 | t | 114223 | PFSRVVHL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.002 | t | 156907 | KVGDPLW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.014 | -0.01 | t | 51266 | QKTYSQYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.007 | 0.003 | 0.002 | t | 44221 | NIETVIEFQ QKNRLLLE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111434 | IVGTGPQP SSTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 38312 | LNPTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120067 | LKWNPDD YGGVKKIH I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120067 | LKWNPDD YGGVKKIH I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.001 | t | 119837 | ELIPSTSSA VPLIGK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103460 | PATVINGQ FVERCWT H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 104331 | VHPPRLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.073 | 0.072 | 0.07 | 0.073 | t | 768 | ADSAQDS T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.042 | -0.04 | -0.041 | t | 120433 | DFAVTHLT KAHLFYDG RV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 108296 | CKYAWSR C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.008 | t | 7836 | DDNGTEE WRCLLG YKKGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.02 | t | 36815 | LKCSVKSFE IDKGIYQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.033 | -0.03 | t | 74398 | YIVGRVWI GF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156967 | SWRPWSD SPQCNGNPI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.007 | -0.008 | t | 31649 | KKNMEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.003 | 0.001 | t | 56122 | RTLTMFS LGARQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 14686 | EVETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 14686 | EVETPIRN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.032 | t | 70951 | VSGGSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 22126 | GRLHLND QVVVTPD KEILYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.021 | t | 95132 | PYVTYG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.023 | -0.02 | t | 60751 | SRNWLPG PCY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.019 | 0.021 | t | 39695 | LSTFMESG EWVMK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.033 | 0.04 | 0.04 | t | 131303 | PVPSTPPT PSPSTPPT PSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.017 | -0.007 | -0.008 | t | 106331 | DFMLTQP HSVSESPG KTVT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.027 | 0.03 | t | 15615 | FEPLRAET DDVEPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.027 | -0.03 | -0.03 | t | 64908 | TLLGLPAA EYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115858 | LTLTDVEN LH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103695 | VGPGRWD EDGEKRIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 131984 | NNRMNA WGTVSSSS N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103579 | SAERCGSP AWDLPTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 93256 | LLHGGKG DDI | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 103346 | LEPGVVAE KVRNLPA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 117088 | SRLPLSQP SPNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 92810 | GGKGNDL LHG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.096 | 0.095 | 0.093 | 0.097 | t | 105963 | MDPGLKE SPLQTPAD DGSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.043 | -0.053 | -0.052 | t | 106384 | EGWGWH WRGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.021 | 0.02 | t | 78748 | MISGPCPK DGQPSLV LQSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.02 | t | 78748 | MISGPCPK DGQPSLV LQSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119505 | NSTMGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.001 | 0 | 0 | t | 108633 | SKEESTPE VKAEDLQP AVD | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.022 | t | 107326 | DVSDMFS K | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 52089 | QQPFPQS QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 133528 | CADQKPG EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132485 | MSYNLLGF LQRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.07 | -0.07 | -0.069 | t | 142441 | LFSPWLRV QNHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 137797 | ADYWAGE LGQSR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.006 | -0.001 | 0 | t | 36049 | LGACSFSSIP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.034 | -0.037 | t | 115784 | HRTFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.039 | -0.041 | -0.042 | t | 67988 | VDIVGPKA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79544 | FAPWDLEATGACICEIPTDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.048 | t | 107358 | FGEL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 46851 | PALICCCRGRGNKKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | -0.001 | t | 7003 | CSGLSSLFTPGPKQQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.059 | -0.059 | -0.058 | t | 3687 | APPLRTWKSRARAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.002 | 0 | 0 | t | 52156 | QQTAPKA PTE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153838 | HQKRTAMFQDPQER | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 153838 | HQKRTAMFQDPQER | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.004 | 0.009 | 0.01 | t | 86822 | NKGKDKDVNAGTSGTHT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 153396 | HSFEPWSARDMLGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.005 | -0.02 | -0.02 | t | 97776 | YKGVAFPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.024 | 0.019 | 0.02 | t | 75494 | YQGVQQKWD | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.003 | 0 | t | 28349 | IRNVNNLA RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156958 | SLHSSVQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132932 | WGQNNW T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 125572 | TARNETPA MRMN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 95934 | TTVRIVDQ CS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 47546 | PFPQPQQ QLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 156862 | DVGDPRLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 134112 | KDKATF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.098 | 0.1 | 0.099 | 0.1 | t | 111062 | YEQLNDSS EEDEIDG PAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.098 | 0.1 | 0.099 | 0.1 | t | 111062 | YEQLNDSS EEDEIDG PAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140854 | GFDKYDIT GEYVQILD AHAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.063 | 0.077 | 0.067 | 0.07 | t | 106620 | LQYFALEA YA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.027 | -0.037 | -0.04 | t | 115096 | PPSLLFLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | -0.001 | 0 | t | 78638 | EKSLTSLSE VVLQNRR GLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.021 | t | 138763 | DWEYSEG L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.001 | -0.003 | 0.001 | t | 99283 | GKLFVVKP DKKNPQL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.014 | -0.013 | t | 117594 | NWHQLH GKKEAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 103838 | DAEFRHDS GYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 48002 | PITNDQKK LMSNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.006 | 0.017 | 0.021 | t | 51847 | QPGVDIIE GPVKNVAV PLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 139602 | SDSMLSW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 137290 | SEIEKLKNK YEVAGIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 138456 | KEQFEFAL TAVAEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 139500 | FHTHISV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 120699 | KMFPEVKE KGMAALP RL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 120682 | KILPEVKEK HEFLSRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 110733 | VGENVPD DLYIKGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 65726 | TPQRKTTE DRPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 66257 | TSHHDSH GLHRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 66304 | TSLNDRQ GNATK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|-------|---|-------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 65360 | TNLEDPAS RDLVVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 62932 | TANGFYRL PSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 39164 | LRPGPVSQ PYHHWDT DK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 48779 | PPFSLSPV PTLGSRSR R | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 51371 | QLINTNGS WHIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 51371 | QLINTNGS WHIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 53355 | RDGQLTIK AERTEQKD FDGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 38522 | LPHSNL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 11571 | EEEDDDM GGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 11815 | EENVEENV EENVEENV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 10227 | DSSAHGTP STPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.016 | 0.017 | t | 122627 | VEQVTNV GLYSSDYI KTVA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.009 | t | 24970 | HTRVTGG VQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.007 | t | 157811 | QRQCQQR CER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 40578 | LVSFGVWI RTPPAYRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.008 | t | 40578 | LVSFGVWI RTPPAYRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 31414 | KIRPRGQR DSSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.018 | -0.02 | -0.02 | t | 31414 | KIRPRGQR DSSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.007 | 0.011 | t | 23972 | HGVTKPK QVIKLDAD PVESQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.01 | -0.003 | t | 17202 | FNMVYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135717 | LTGIISWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115645 | RNGKDQD GDQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115645 | RNGKDQD GDQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78212 | MTNNRI | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99605 | REDWRRP SHQQPRKI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 18587 | GAGGGAG AGGAGAG GGGRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.018 | t | 145704 | AEGLT TTT WKDYDHN LQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 82048 | FGKLRVGR LNSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 6125 | CDPLDDA C | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.018 | -0.02 | -0.02 | t | 9595 | DPALLM HELIHVLH GLYG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.053 | 0.059 | t | 107874 | GTSSPSAD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.003 | t | 41232 | MDIDPYKE FG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 16018 | FGNDYED RYYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.033 | -0.029 | t | 95899 | TDYKKYLLF CME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.01 | t | 159026 | NLAIHSDL SYWIESRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.005 | t | 55932 | RSQQTII | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.017 | -0.011 | t | 118221 | WKSLLTL VQLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.008 | -0.01 | t | 78932 | ATRKTSER SQPRGRR QPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 153447 | QPAIWINP FPAWGGG S | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.028 | -0.028 | t | 106618 | LPWYQIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.012 | t | 58073 | SGHMAW DMMNWS PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.028 | t | 129931 | SKPRAKSG ARKSPKKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.008 | t | 106261 | AQFRHDW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.038 | -0.033 | -0.039 | t | 121112 | AACDPRH GRYLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.031 | 0.041 | 0.04 | t | 102383 | EEKNGNTS WNDTVTC PNAEC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.003 | 0 | t | 72178 | VYVEELKP TPEGDL EILQK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 72178 | VYVEELKP TPEGDL EILQK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.02 | t | 29378 | IVNTLNEIY RYLYVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.009 | t | 27910 | IPKVPPGP NITA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.023 | 0.023 | 0.023 | t | 115488 | SKDNGWE KDDNVSKS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 30246 | KDSPVGEI LTRSKYNQ NSK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114949 | SKEHDGEC KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 98647 | YTKDTNN NLT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98647 | YTKDTNN NLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 158581 | APAHHP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 94145 | VKHNLVIT NS | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 151069 | WTGMVD GWYGYHH QN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 114837 | GKVMVLC NRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 21815 | GPVEDAIT AAIGRVA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135545 | DVFYPYPY ASGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135545 | DVFYPYPY ASGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 135966 | NPVEIRRG VMLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.009 | 0.01 | t | 138097 | YPYPLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 145775 | FDTGA FDP DWPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 10016 | DRLSSANL YINGVLM GSAEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 132068 | SNISFSRDS PEENVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.021 | -0.02 | t | 36421 | LHSQGYTG SNVKVAV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 78533 | TLLTLCPAT CILPLGEPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.003 | t | 6249 | CFPYCYP ESA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | -0.002 | t | 99935 | DFSQTATL TNTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.041 | t | 132848 | KKEDFDIY DEDENQS PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.02 | 0.023 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.02 | 0.023 | t | 75950 | YTASARGD LAHLTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.048 | -0.06 | -0.063 | t | 137941 | PFRSYTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.028 | -0.029 | -0.03 | t | 66094 | TRRVRGG DGKMKEL SPRW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105541 | TGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 140460 | EKLKHSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 70388 | VPNLRGDL QVLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 70388 | VPNLRGDL QVLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.019 | t | 133738 | VTPYFSYP WAISCKC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.047 | 0.039 | 0.04 | t | 9107 | DLGSIAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.059 | t | 153869 | RDGNPYA VCDKCLKF YSKIS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0.003 | 0 | t | 87003 | NQNNLPN DVFRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.015 | -0.02 | -0.02 | t | 56622 | RYPNQVYY RPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 131889 | GKTFTNG WKSTEE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 107650 | TYRVVSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79538 | EHQLNRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 139770 | GWYSFQH | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 104744 | CSQWGW CGST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.002 | -0.01 | -0.008 | t | 49289 | PSACLSPQ AY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.009 | t | 39180 | LRRDLAS RDVKKHV GNALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 115425 | PSGAWYY VPLGTQYT DAPSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.041 | -0.04 | -0.04 | t | 14042 | ERMKDTL RIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.009 | 0.01 | t | 8356 | DGAVQPD GGQPAVR NERA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.004 | -0.01 | -0.01 | t | 29962 | KATPPAAP ATKWSKEY CGYY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.01 | -0.02 | -0.02 | t | 52600 | QTQQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.027 | -0.03 | t | 53407 | RDPVFYAF GFGVNYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | -0.002 | t | 36831 | LKEKHTDL GKEGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.032 | 0.027 | 0.029 | t | 99122 | CESRCTKL EYDPRCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.019 | 0.02 | t | 155334 | PADSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.011 | 0.01 | 0.01 | t | 72630 | WIKKPNR QGLG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | -0.003 | 0 | t | 28076 | IPSTAFTDI AWVRLPN HYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.024 | 0.021 | 0.019 | t | 68297 | VENAQD KGIAIPHD DLGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0.002 | t | 108412 | GTTDHVG VPTYDWG K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 66480 | TSVENAQ QDKGIAIP HDIDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.032 | 0.02 | 0.017 | 0.02 | t | 156846 | AKLITCSKT CSKWQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 131872 | ESQSRDRR KIDQHTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.001 | 0 | t | 54233 | RIREFMEK ECPFIK | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0 | t | 54233 | RIREFMEK ECPFIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.009 | -0.01 | -0.01 | t | 21406 | GNDWEDR YYRENMY RYPNQV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 114960 | TAEDRPLC GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 84685 | KRVHARM AFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.052 | -0.05 | -0.05 | t | 8575 | DHTLRFGS KSPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.052 | -0.05 | -0.05 | t | 8575 | DHTLRFGS KSPF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.01 | t | 15152 | FADKPDES TLSPEMKE HYDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.022 | t | 55585 | RRGRGRE RARGGSRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.01 | 0.003 | 0.002 | t | 49836 | PVAQYCYA YPRLDDPG PLGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.048 | -0.053 | t | 142007 | SDWRFLR GYHQYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 142200 | KGLRRDL ASREAKKQ LEAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 125245 | RRLDQYQ IHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.02 | 0.02 | t | 20679 | GKRPEGE NASYHLAY DKDRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.037 | -0.03 | -0.028 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.003 | t | 76385 | YVPLGTQY TDAPSFSD IPNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.003 | t | 70444 | VPQLEIVP NSAEERLH SMKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.003 | t | 57631 | SESTEDQA MEDIKQM EAESI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.003 | t | 55419 | RQFYQLD AYPSGAW YYVPLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.003 | t | 24814 | HSMKEGI HAQQKEP MIGVNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.003 | t | 11035 | EAESISSE EIVPNSVE QKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.003 | t | 8756 | DIPNPIGSE NSEKTTM PLW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.051 | -0.06 | t | 119521 | RRKPGTEQ L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.011 | 0.011 | t | 55055 | RNRSPERC DLGDDLHL Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 118346 | FEYFPSHFF VPELEVTT C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.011 | -0.02 | -0.02 | t | 70729 | VRGLYFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.047 | -0.043 | -0.05 | t | 118827 | GSGPRHR DGVRPQ KRPSCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.012 | -0.019 | -0.018 | t | 41541 | MFTCKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.094 | -0.11 | -0.097 | -0.09 | t | 141625 | DTKRARTD WWENETI T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.031 | t | 108168 | TRSFQIQA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 141037 | IRTLKSGH K | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149121 | THANSTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 102227 | WNNTALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112149 | GVGWIRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79643 | SHLSTML | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 123438 | LKMWSNFG LG | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.012 | t | 47786 | PGWFADP GFHINSSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.042 | t | 23588 | HCDGFQNE EKWDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141894 | FEQEPSSE EPKDSKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | -0.002 | t | 36413 | LHQPPPQI FLKILPQSG PIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.032 | t | 105747 | EEVVRVPT TAASTPDA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.003 | 0.01 | t | 135974 | PSNSASVP ALTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.013 | t | 144705 | KGTHSLYS QIAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.021 | t | 100777 | DIDFLIEEIE RLGQDL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.039 | -0.029 | -0.028 | t | 15959 | FGCTWM NSTGFTKV CGAPPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.024 | 0.007 | 0 | t | 112860 | YAQPSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.007 | 0.019 | 0.022 | t | 78944 | DADGDGH GWKPNGA PGIAGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.008 | 0.007 | 0.009 | t | 99381 | KIQRDEDS YERDPYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.024 | -0.029 | t | 151048 | RHAYRSM AEWGFLYS | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.003 | -0.002 | t | 98859 | LAFPGSGE QVEKLIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.012 | t | 50934 | QGPHVISR IYQTAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 153836 | HGPKATL QDIVLHLE P | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.042 | -0.039 | -0.04 | t | 122162 | PIPVPIIIP FPGWQPG MPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.019 | -0.02 | t | 131037 | RHWTTQG CNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.021 | 0.01 | 0.008 | t | 111194 | DGRFSYQ NLFDAIVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 72959 | WPPPNML TS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.054 | t | 63808 | TGDPKPKK NKKPKNPT PPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 99838 | QQRPFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.007 | -0.012 | t | 156980 | YTLGHFHG QPQL | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.063 | -0.049 | -0.048 | t | 12944 | ELAKLRAG KASDSQTP DT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.063 | -0.049 | -0.048 | t | 12944 | ELAKLRAG KASDSQTP DT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 123763 | STPEERARI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 158617 | TVQPQFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98648 | YTKNTNN NLT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 98648 | YTKNTNN NLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98648 | YTKNTNN NLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 153269 | LSPPLRNT HPQAMQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 106307 | CKCIVRAT KG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.008 | t | 22870 | GTVAPQIP PNWHIPSI QD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 134685 | GVSSYMK VSICLPMD VE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 134412 | IPPPYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 137136 | DQQTQIA KDTAQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 121098 | YTCCPD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119052 | WNPADYG GIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 125370 | CDDPRFQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 118480 | KWNPDDY GGVK | Rattus norvegic us |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 120412 | ASKEKQEN KIFADDIDI SD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119663 | VIVELIPST SSAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 131654 | SGFGVVKK PNY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 119642 | SEHETRLV ANLLENYN KVIR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 120601 | IDISDISGK QVTGEVIF QT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119673 | WNPDDYG GVK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 125297 | VFFEEQED EIIGFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 131658 | SGLRLLEKS QH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119052 | WNPADYG GIK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 104895 | LVEALYLV CGERG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108998 | FVCGDRG FYFNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 117315 | KALSVETE KLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 117315 | KALSVETE KLLKYLEAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 109177 | GPETLCGA ELVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 102510 | HHQKLVFF AEDVGSN K | Mus musculus |

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|---|------|---|---|---|---|---|---|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 109095 | GFYFNKPT GYGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 113013 | GSLPQKSQ RSQDEN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 105228 | GLMVGGV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 109253 | GSLPQKSQ RSQDENP VVHF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 110116 | YCAPLKPA KSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108877 | DRGFYFNK PTGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 117336 | NGWSHKD LLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 68401 | VEVPGSQ HIDSQKKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 69627 | VLLRRIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 72805 | WLTEKEGS YP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 66933 | TVAEEHVE EPTVAEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 78286 | TTAETLDA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 68401 | VEVPGSQ HIDSQKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 78286 | TTAETLDA TR | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 63604 | TEYYLNHG KWPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 74801 | YLLQKLNR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 95048 | VIFQTPLIK NPDVKSAI EG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 94580 | LDNKYAGK GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 69627 | VLLRRIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 78286 | TTAETLDA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 68401 | VEVPGSQ HIDSQKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 58783 | SKAFSNCY PYDVDPYA SL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 42441 | MQWNST TFHQTLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 55260 | RPPNAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 42441 | MQWNST TFHQTLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 42441 | MQWNST TFHQTLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 59580 | SLWARRE NGSVKWF C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 59326 | SLLTYMK M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 40729 | LYDAAKAY AEQLKEN GVINY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 38422 | LPAYQDYT ARAQVSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 58997 | SLAGKRE MAITF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 35036 | LCAEYHNT QIHTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 12248 | EGQKSAVT EY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 36166 | LGIMGEYR GTPRNQD LYDAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 30260 | KDTRLRIAYL TEAKVEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 24786 | HSLGKWL GHPDKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 12248 | EGQKSAVT EY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 24249 | HLLRLSEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 24249 | HLLRLSEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 12792 | EKLCVWN NKTPHAIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 35036 | LCAEYHNT QIHTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0.001 | t | 20064 | GGVATY | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 32844 | KPQEEKEK ITKEILNGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 19033 | GDLQVLA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 19636 | GFTTNEER YNVFAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.03 | 0 | 0 | 0.001 | t | 20224 | GIDKKKKK KNI | Saimiri |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 19637 | GFTTNEPR YNVFAE | Mus musculus |

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|---|------|---|---|---|---|---|---|-------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 10555 | DVDKPPF DGMTACG NEPIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 14457 | ETLGALAS AIKETFEEG TC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7558 | DAKDGKEI DTKHLPS C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 8475 | DGQPAGD RADGQPA GDRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 5867 | AYLTEAKV EKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 5867 | AYLTEAKV EKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9759 | DPRVRGLY LPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7005 | CSGPTTIR GQFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9759 | DPRVRGLY LPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7005 | CSGPTTIR GQFS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9753 | DPRVRGLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7171 | CTKPTDGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 7171 | CTKPTDGN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9106 | DLGSIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9759 | DPRVRGLYLPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 7171 | CTKPTDGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 6338 | CGQPVTR TDDDTVA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 45438 | NPNPNPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 144331 | HDTSLKPIS VSYNPATAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 48779 | PPFSLSPV PTLGSRSR R | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0 | t | 132039 | QYFVGKRT VPPGECFI QFLS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0 | t | 123550 | NNLNKIK DELKK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.037 | 0.043 | 0.041 | t | 118930 | MSDEGPG TGPGNGL GEKGD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.01 | 0.017 | 0.021 | t | 47747 | PGSANKPK DELDYEND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.02 | -0.01 | -0.007 | -0.01 | t | 42684 | MSTNPKP QKKNKRN TNRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.019 | 0.02 | 0.02 | t | 65021 | TLQARQQ TVSALED | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.021 | -0.03 | -0.03 | t | 67931 | VDEKKM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.021 | -0.03 | -0.03 | t | 67931 | VDEKKM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132343 | GMPFMIH QLMGNGV W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.011 | t | 111035 | TDGNTQQ T | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.025 | -0.03 | -0.03 | t | 73065 | WSDVGLC KKRPKP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.029 | 0.02 | 0.02 | t | 100287 | LSEKGLTTY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.047 | -0.04 | t | 124008 | DGVVLVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 45405 | NPNANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 54861 | RMAWDM MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 112303 | SAGEKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.001 | 0 | t | 74479 | YKMFLHT GAVIVLPE DDLPT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142141 | EIDGPAGQ AEPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140859 | GQRRADA VKGYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 100229 | KRKDEERN KT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79414 | TCSPGLRE WAHNCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 76396 | YVRGGGA VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.011 | -0.012 | t | 30236 | KDRTLIEQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.06 | 0.053 | 0.061 | t | 134795 | SFGAYGA QEEAQC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.06 | 0.053 | 0.061 | t | 134795 | SFGAYGA QEEAQC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.073 | -0.069 | -0.073 | t | 103113 | DRFADFPA LPLDPSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.003 | 0.001 | t | 8561 | DHPLQKTY NY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.007 | 0 | t | 135446 | AKAQLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.074 | 0.06 | 0.06 | t | 79647 | SLTTDEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.037 | -0.04 | t | 28165 | IQIIAATMS KAKQYNIC CKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.019 | -0.013 | -0.01 | -0.011 | t | 72485 | WGNGCGL FGKGSIDT CAKFA | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.047 | -0.049 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 70536 | VQDGSVT EQIIEELF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.01 | -0.01 | -0.01 | t | 123550 | NNLNEKIK DELKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.009 | -0.01 | t | 12169 | EGGDGTR DTLPQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.039 | -0.033 | -0.03 | t | 3493 | APAVKYTV FETALKKAI TAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.052 | -0.05 | -0.049 | t | 133739 | WDRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 38915 | LQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.02 | t | 67269 | TWKIEKAS F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.003 | 0.008 | t | 119468 | ISGKQVTG EVIFQTPLI K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.038 | -0.029 | -0.03 | t | 46681 | NYNYKYRY LRHGKLRP F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.033 | 0.04 | t | 142038 | TKLDQEEK KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 78638 | EKSLTSLSE VVLQNRRL GLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.025 | 0.033 | 0.042 | t | 33717 | KTIINNDF NFDDYNY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.058 | -0.05 | -0.048 | t | 139956 | YFFHPDN QEDAE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.013 | -0.009 | t | 68299 | VENGLISR VLDGLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.048 | 0.047 | 0.05 | t | 20825 | GLEQLESII N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.014 | 0.011 | t | 135660 | ECPEGYIL DDGFICTD IDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.02 | t | 104143 | NDDEPNG AIRFTMGY QHGG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0 | t | 140611 | VNKKEAW LDSTKATRY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0 | t | 40826 | LYKSNHN NVYWLTIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.059 | -0.058 | t | 73020 | WRCPPRR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 6367 | CGYGGPA NKKNAGC | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.019 | t | 75789 | YSLFHKEK MIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | 0.001 | 0.001 | t | 29852 | KALENKKK QLSAGGK NLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 54859 | RMAWDM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.081 | t | 63237 | TDSPRNPV TR | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.035 | 0.029 | 0.03 | t | 147288 | SKFQDTH NNAHYVYV FFEE | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 113479 | GQQPGQA QQGQQP G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137889 | GTGYHSRF GSDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 114975 | VLCNRAFNPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 18587 | GAGGGAG AGGAGAG GGGRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 112401 | WLAHIWW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 127714 | KPWKHLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.011 | -0.001 | 0.001 | t | 36366 | LHDINHISK SDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.053 | 0.05 | 0.053 | t | 78938 | CAPGQNL CY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 123801 | TTPEERARI | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135576 | LRYSTGTV SG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 103853 | DLTASLMV ALDTNNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.03 | t | 46677 | NYNWKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.04 | 0.03 | 0.03 | t | 68052 | VDQYSNQ NNF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.032 | 0.02 | 0.02 | t | 14751 | EVKPGTPA QEIEML | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.021 | 0.017 | 0.021 | t | 99530 | PGQFEDFF PASSRDQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 157808 | QQDRHQK IRHFR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0 | t | 94837 | GTCKELKK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 68018 | VDLPQLGL RR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.038 | 0.027 | 0.03 | t | 98821 | IDQIEKQA KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.038 | 0.027 | 0.03 | t | 98821 | IDQIEKQA KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.035 | -0.023 | -0.015 | t | 102169 | VATATLPN YC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.024 | 0.034 | 0.03 | 0.03 | t | 65664 | TPNATQPE LAPEDPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.002 | 0 | 0 | t | 19705 | GGDNYSD KPEPLGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132105 | TSWGSGN GANS GG S R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108529 | LNTAKHRE S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99188 | EERGQRR WSTRSSEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112102 | EWLAHIW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 97745 | VNKAGASI G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 48596 | PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0.001 | t | 9526 | DNPASTT NKDKL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.01 | -0.001 | 0 | t | 29578 | IYFMQRQ DVLDKNH | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.004 | -0.007 | -0.01 | t | 158749 | FAEDVGS NKGAIIGL M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 134062 | GKDPVQC SRDVVICP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 120260 | TYDGTKVS ISPESDRP DLST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.03 | t | 133499 | AHSSPRSV WYEW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.023 | t | 142480 | VAAVTEKL RAGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.037 | 0.04 | t | 12646 | EKDKALSN AEGEVAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.003 | 0.002 | t | 6623 | CLSATCDC TLCGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.052 | 0.047 | 0.049 | t | 99121 | CCNELNEF ENNQRCM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.011 | -0.01 | t | 55435 | RQKKQPT VTLLPAAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.006 | t | 142705 | GVGSSAVI LNDNFVT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0 | t | 102945 | YGCYCGR GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 151653 | HWYRATH QEAINCYA NETC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.063 | -0.07 | -0.073 | t | 130487 | FCQPHLSC YILP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.07 | -0.073 | t | 130487 | FCQPHLSC YILP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 56150 | RTPPAYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.029 | -0.029 | t | 55383 | RPYCWHY PPQQCGIV PASQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.043 | -0.043 | -0.047 | t | 138264 | YSNKTPHL QWRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.016 | -0.019 | t | 119297 | NTFCDSCI PKTFWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.017 | 0.02 | t | 139881 | RGDKSRPP VWYVEGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.001 | 0.003 | 0.002 | t | 75499 | YQHKEGRF KS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.02 | t | 80315 | AKKQSNLF GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.036 | 0.04 | 0.04 | t | 78702 | KKKEEGED DTARQEIR KAW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.011 | t | 95158 | TNVLVNSS GHCQYLPP GIFK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 38207 | LNENLLRF FVAPFPEV FGKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 24651 | HQTLQDP RVRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 24651 | HQTLQDP RVRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.001 | t | 24651 | HQTLQDP RVRG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 114918 | PNATDKE GKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112063 | CHQYLSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107647 | TVLHQNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 88467 | SEDRETRP HGRNNLM RSYNR | Aotus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 8408 | DGIMHTR CHCGAEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 8408 | DGIMHTR CHCGAEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 149085 | NPTQIRR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.029 | 0.027 | 0.032 | t | 12896 | EKVNELSK DI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.031 | -0.029 | t | 60671 | SRGKGPG KKNK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.031 | -0.029 | t | 60671 | SRGKGPG KKNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 144664 | GREGYP A DGGGLPD SVKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 144664 | GREGYP A DGGGLPD SVKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.016 | -0.011 | -0.009 | t | 11253 | ECKETVP MNCSSYA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.019 | -0.02 | t | 63044 | TAWDFGS LGGVFTSI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.038 | -0.018 | -0.029 | -0.032 | t | 32776 | KPKTNMK HMA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.023 | 0.031 | t | 127958 | EHP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.025 | 0.02 | 0.02 | t | 71298 | VTFDGGK MVQ | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 62480 | SWNASWL SHSYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 99836 | QFPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 140902 | SSNNDAA GNGAAQT FGGYSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | -0.001 | t | 11821 | EENVEHD AEENVEH DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | -0.001 | t | 11821 | EENVEHD AEENVEH DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.037 | 0.031 | t | 125607 | YVSIDVTL QQLESHSF YNLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.011 | -0.01 | t | 108917 | EPGPAGV Q | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.024 | t | 145746 | DPEIVMHS F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.007 | -0.008 | t | 124068 | ELMALHT GQSLEQIE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 63344 | TEEIDEIES VTEEVVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 2583 | ALGLTSLFS PGPIQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.012 | -0.01 | t | 27555 | IMSGEKPT VEDVVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.012 | -0.01 | t | 18161 | FVFNGTS WFITQRNF FS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 71982 | VYAYDVTI PGE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.02 | 0.02 | t | 111738 | RPGKEIEA YIFEMFN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94687 | SKPTTKQR QNKPPNK P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.006 | -0.01 | -0.008 | t | 110257 | GNPGADG I | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.021 | -0.021 | t | 10496 | DTTIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.008 | t | 122293 | CTYVLDPE NLTLKAPY EA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.019 | t | 26329 | IGTRNPNN NAATVLQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.039 | -0.038 | t | 43179 | NAIRMISD QR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.01 | t | 107102 | DGKTLNDE LEIIEGM | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 100010 | ELKDQRM LAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99196 | EGDITNPI NLREGEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132936 | WGSNHA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112174 | IWWNDN K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.012 | -0.023 | -0.02 | t | 1570 | AGISYTKT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.02 | t | 37782 | LLSDTDNA AFPQMTK SYKNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.011 | t | 110911 | KATPNDG Y | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119939 | IFAQRLMR YW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.02 | 0.022 | t | 130636 | WPQIWFD DEEDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.021 | t | 122551 | RGQYLQL QELECDW EEVTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 122327 | EEVTTSGP CGEESVLL DRKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.011 | 0.009 | 0.011 | t | 74051 | YGLTALDP LFKP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 138627 | SQKEVLEG ARASVDR VC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.02 | 0.01 | 0.01 | t | 66085 | TRQQNNP ER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.01 | -0.01 | t | 21424 | GNFGDQD LIRQGTDY KHW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.006 | 0.01 | 0.01 | t | 48395 | PLLGICGST CAEDGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 32596 | KNQLAGK DEYEAKQK EAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.059 | t | 144311 | GNLTAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.046 | -0.047 | -0.048 | t | 114851 | HFFKNIVT PR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0 | t | 130834 | FPDLGQEV ALNANTK NQKIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.03 | t | 95031 | NAYANEE ATKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.023 | -0.027 | t | 132347 | GPCILLAR DRCG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.023 | -0.027 | t | 132347 | GPCILLAR DRCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.044 | -0.039 | -0.038 | t | 17639 | FRRLGAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.008 | t | 69068 | VIPLAIEFT PRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.003 | 0 | t | 21434 | GNGGMV TGCAETPG CVAYIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.006 | 0 | t | 67299 | TWVAGVF VYGGSKTS LYNLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.014 | 0.023 | 0.022 | t | 70026 | VMTVEIRK QNMTEF MELWSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.007 | 0.01 | t | 95493 | KFPQYLQY LY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.013 | -0.012 | t | 43171 | NAILGPR WNLNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.001 | 0 | t | 10782 | DVVSTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.009 | t | 131579 | PDIITGFSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.009 | 0.01 | t | 30036 | KAYSNCYP YDVDPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | 0.001 | t | 59982 | SPAPERRG YSGYDVDP Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.02 | -0.012 | -0.009 | -0.01 | t | 22337 | GSGGGFW GDRVDSQ PFAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.009 | 0.011 | t | 40859 | LYMPQLSL YMPQLS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | -0.003 | -0.001 | -0.002 | t | 40319 | LVEKPNLS SKRSELS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.051 | 0.041 | 0.042 | t | 22912 | GVAGSGA S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.003 | 0.009 | t | 138215 | PPVANDT RIVMGRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.023 | 0.03 | t | 139602 | SDSMLSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.04 | t | 73606 | YDWRAD W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.08 | -0.087 | -0.081 | t | 119905 | GLRAQAC AFW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 111035 | TDGNTQQ T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 149121 | THANSTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | -0.001 | 0 | t | 68589 | VFTSIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 121844 | SGRALAPA VSWPLHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 121844 | SGRALAPA VSWPLHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111590 | NLIRHVGG GTPRRPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115734 | ESITRINKKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 121712 | PLPQALSK ERRERPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 105651 | AEFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.028 | 0.03 | 0.032 | t | 28291 | IRFKDDTSF EDING | Myodes glareolu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 117044 | MISYSTRP DRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.008 | -0.008 | -0.011 | t | 98938 | PQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116682 | CHGRGTC NYYANAYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0 | t | 78624 | DMNEKQK PYFEFEYD DFKP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 78624 | DMNEKQK PYFEFEYD DFKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | 0.003 | 0.002 | t | 98922 | PAPQPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.047 | -0.04 | t | 133836 | GKKRKRSR KE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.01 | t | 97375 | GWKAAAD GQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.01 | t | 97375 | GWKAAAD GQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.007 | 0.008 | t | 53687 | RFDEGDLI AVPTGVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.009 | t | 132849 | KKVLGEKT ENPKKFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111392 | HAHSRML SMPM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.009 | 0.01 | t | 32623 | KNTTTTQT QPSKPTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.031 | 0.03 | t | 72314 | WDINTPA FEWYYQS GLSIVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111551 | MKVSNHK DIPPL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.008 | -0.01 | -0.01 | t | 52156 | QQTAPKA PTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.062 | -0.053 | -0.05 | t | 78117 | DIQKVAGT WYSLAMA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 119585 | GQPREPQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156894 | KAGDPRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 146178 | AYAPPGA QPPTSrk | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132937 | WGSNNQ N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 119521 | RRKPGTEQ L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 95118 | LQFHHD PQAGKMP RWVRVI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 10476 | DTRCFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 138218 | PTPAPGPG RR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 51908 | QPQFPSP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.012 | -0.01 | -0.01 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.012 | -0.01 | -0.01 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.024 | t | 133536 | CKPVENRA C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 119662 | VGRIKST DGGTT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 119662 | VGRIKSKT DGGTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.029 | -0.04 | -0.04 | t | 124603 | QHWSYPL RPG | Canis familiari s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.029 | -0.04 | -0.04 | t | 124603 | QHWSYPL RPG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.007 | t | 8359 | DGDALTLR TATN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | -0.002 | t | 131956 | LPKSAKPV SQMRMA TPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 10832 | DWVCSILT DFKNWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 37311 | LLGACSFSS I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.027 | -0.037 | -0.04 | t | 115069 | KEVDRLM S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 140996 | EEIDYDDTI SVEMKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.014 | -0.016 | t | 138758 | AMVYLGA KDSTRQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0 | t | 15753 | FEVFNFVP CSIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.012 | 0.02 | 0.023 | t | 17243 | FNVPIKEA GEDCHAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140591 | PYHQFQT GQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140591 | PYHQFQT GQ | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123326 | IMHHMPG Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106984 | VSIFPPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79511 | AIWSTRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 131581 | PDSRAVTC GMASLSA EKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.01 | -0.009 | t | 153837 | HGRLVTLK DIVLDLQP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.012 | t | 56730 | SADGTTVT SGSTKDTS LQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.01 | -0.019 | -0.02 | t | 149403 | PCKSNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.017 | 0.02 | t | 73784 | YEVRAELP GVDPDKD VDIMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 139493 | EQSADSSR HSGSGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | 0.001 | -0.001 | t | 48646 | PNGTHSW EYWGAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78271 | SSGNLLFT GH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.017 | 0.02 | t | 58839 | SKGQNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.027 | 0.03 | t | 24150 | HKPQTTKP KEVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140896 | QRYNTVYF GFDKYDIT GEYV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.038 | -0.03 | -0.03 | -0.028 | t | 156942 | PWSKMHI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.01 | t | 138079 | VSDQAVSLGQNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 144675 | GTHPFLSQW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.027 | -0.029 | t | 72494 | WGPNDPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 6127 | CDPPIDLDC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 95828 | SGASAQSGTSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 95828 | SGASAQSGTSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.015 | -0.003 | 0.002 | t | 48618 | PNDPNRNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.017 | 0.012 | t | 113912 | TCFFRDHSYQEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 21827 | GPVSQHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.01 | t | 99920 | DADNILVIQQGQATVTVANG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | 0.002 | t | 23973 | HGYEKPEELWTAKSRVHPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.029 | t | 144786 | SMNRGRGTHPSLIWM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.031 | t | 105701 | CVVGC GG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.017 | -0.018 | t | 82959 | GVPRRQRAIDKRQRA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149086 | NPTQRPD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 3684 | APPLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 111572 | MSPRFPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.01 | t | 42553 | MSFIPVAE DS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 22508 | GSSIAADQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 115219 | EELNVPGE IVESLSSE ESI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.031 | 0.037 | 0.042 | t | 97762 | VVCAMIE GAQGALE RE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.003 | 0.01 | t | 104065 | LWDDFW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.02 | t | 149441 | QQQQQQ QPLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.009 | 0.01 | t | 39169 | LRPTFDTR LMRLEDE MKEGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.02 | -0.02 | t | 134699 | KDRHDFG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.022 | t | 40948 | LYSHHFQS HGQLSDH PHALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.04 | -0.04 | t | 122741 | DWRDAEK CDIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.009 | 0.013 | 0.019 | t | 122210 | VRVIDPSL GDRKDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.03 | 0.017 | 0.01 | t | 141680 | ITKHNDDE QYA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.03 | 0.017 | 0.01 | t | 141680 | ITKHNDDE QYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 145803 | GPVGPSD PSIVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.013 | -0.02 | -0.019 | t | 123014 | AIMRYIAD K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.01 | 0.003 | 0.002 | t | 99027 | TNALGNQ FQTQQAR T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.004 | 0.01 | 0.011 | t | 30260 | KDTRLRIAYL TEAKVEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 112672 | TAEFQMT FHLFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 103117 | DTDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 112662 | SICKTAEF QMTF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 40332 | LVFFAEDV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.021 | 0.018 | t | 120220 | SSQRGRSG SGNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.018 | t | 120220 | SSQRGRSG SGNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.09 | -0.094 | -0.09 | -0.092 | t | 136060 | EKPKLRKD MYKKMIE VDPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.032 | 0.03 | t | 5066 | ATNGDTH LGGEDFD N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 135502 | SSSQHL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.019 | -0.02 | -0.02 | t | 49876 | PVGRLVT NPFVSMA TANAK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 138145 | APGAPAP NGQPAPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153269 | LSPPLRNT HPQAMQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111341 | GGGTPRR PGKEIEAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137554 | QDRHQKI RRFRRGDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 128092 | RGFGGDP RRVSLAAD RGGAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79037 | PFWLRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 39487 | LSLNHARS P | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 7513 | DAGDHS PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 77851 | DLPRWPG WYKNR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 135895 | ALLRCIPAL DSLTPANE DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.049 | 0.04 | 0.04 | t | 70686 | VQYSRADE EQQQALS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.013 | 0.01 | 0.01 | t | 35063 | LCKIARSQ DACIEFV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.03 | 0.029 | t | 53435 | RDVSDFTD SVRDPKTS EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 61125 | SSIVYEAD DVILHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0 | t | 39104 | LRGMAKD GQFALKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 122790 | HQEEDFR VTCKDIQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.027 | 0.03 | 0.032 | t | 133584 | GKCNTDYS D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130473 | ECIVYGKT ALCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0.002 | t | 1746 | AHAYSGY DVPDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.029 | -0.028 | t | 69833 | VLVLNPSV AATLGFGA YMSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 95817 | SAQSGTSG PSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.037 | 0.049 | 0.052 | t | 79001 | KDVTVEGS NEFAPVQ NLTGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.003 | 0 | t | 63931 | TGPGTNN PENPITES AHLNV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.003 | 0 | t | 20693 | GKTLAEVK ALTTELT ENQE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.028 | t | 117345 | PRRRSRKP EAPRRRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.043 | t | 130477 | EEDFRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.05 | 0.043 | 0.05 | t | 134795 | SFGAYGA QEEAQC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 10050 | DRSGAPTY SWGENDT DVFVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.013 | -0.009 | t | 26844 | IKLPALF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.058 | t | 105701 | CVVGC GG GV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.044 | -0.042 | t | 118384 | GMKFDRG YISPYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0 | -0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0 | -0.001 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0.002 | t | 79284 | LDAVPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.03 | t | 105602 | WRSTRDA FING | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 52083 | QQPFPLQ PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103703 | VLCNGGSP TTQQALA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149081 | NPNQTRM | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.002 | t | 130518 | ITQSTQSF NDFTRVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.002 | t | 43233 | NANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.002 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 5925 | AYSNCYPY DVPDYASL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 5925 | AYSNCYPY DVPDYASL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 5925 | AYSNCYPY DVPDYASL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.007 | 0.002 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 138191 | HPTWSSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.022 | t | 62855 | TAGLASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.023 | -0.022 | t | 78082 | YTLPSPTRL WMQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.043 | -0.041 | t | 33232 | KRVKTWR M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 37640 | LLPAAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 125551 | RNLTYIDP DALKEPL KFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.002 | t | 125551 | RNLTYIDP DALKEPL KFL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 130787 | EDFDIYDE DE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.024 | 0.023 | 0.018 | t | 46717 | NYTVCPPC LTRQAAAE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.008 | t | 10803 | DWEDRYY RENMYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.033 | -0.03 | t | 75410 | YPSGAWY YVPLGTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.032 | t | 117508 | GKMTANS DVEPGNSE VSLVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0.005 | t | 35399 | LEDPCKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.022 | t | 97369 | GTVALTAG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 159130 | SRLEHLM WESIQKEL N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.077 | -0.074 | -0.08 | -0.08 | t | 153693 | RKIFIDTIP N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.077 | -0.074 | -0.08 | -0.08 | t | 153693 | RKIFIDTIP N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 135977 | PVSRVLAP HLTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 103755 | YRLERPLLF ALQCMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 27998 | IPQQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.012 | t | 74048 | YGLPNWV KVWDRAT N | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 95162 | VIVLQYHH HDPDGGK MPKWT | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | 0.003 | 0.002 | t | 31071 | KGTHGGT GAGAGAG GAGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0.001 | 0 | t | 68087 | VDVSEGDI VIYSKYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140381 | TKTVNENK QNVDKVK KA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.007 | -0.011 | t | 157147 | CSRTVKKN IIEEN | Chloroce bus aethiops |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.007 | 0.011 | t | 56185 | RTTADRQT A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | -0.003 | 0 | t | 60019 | SPDRKRRA DEEEEYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | -0.003 | 0 | t | 60019 | SPDRKRRA DEEEEYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.049 | -0.047 | -0.04 | t | 113907 | TAPRPRVG LY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.006 | 0.009 | 0.011 | t | 48641 | PNGNVPA GVTPSKYG LGGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.006 | 0.009 | 0.011 | t | 48641 | PNGNVPA GVTPSKYG LGGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141970 | NKPEDDEE SGAKPKKK H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 141970 | NKPEDDEE SGAKPKKK H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119473 | KILKVIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.033 | -0.03 | t | 53239 | RAVTPLGP PAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.012 | 0.009 | 0.01 | t | 69540 | VLIELEPPF GDSYIVVG RGE | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.022 | 0.021 | t | 24861 | HSTTEWA VLPCSYSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.018 | -0.013 | -0.008 | t | 30289 | KEAESVCA PIMSKIYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.06 | -0.06 | -0.059 | t | 135569 | KTNMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.01 | t | 95749 | QVYNKLG MYPPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.006 | -0.017 | -0.022 | t | 156981 | YTSLPAPM QRLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 58229 | SGSGANN SSSHFQSI YN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.033 | 0.04 | t | 136322 | GLFTPKS PAKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.026 | -0.037 | -0.042 | t | 52403 | QSPRRRRS QSRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149429 | QLWQIPE QSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149429 | QLWQIPE QSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137539 | KVKDDEL R VIRPSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128628 | FIDWQSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 43582 | NEDQRVGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 136392 | IPKSRKRRI PQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 123408 | KWPLNG WAA | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.001 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.001 | t | 105164 | EFRHDSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 119867 | FMESGEW VMKDYRG WKH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.05 | t | 68281 | VELRNLGG TWRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 145726 | CKQAGTC PPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 133520 | ASNWTDF RVTDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.017 | 0.011 | t | 102644 | MASSTPSS SATSSNAG ADPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.017 | -0.02 | t | 55299 | RPQKRPS IGCKGTHG GTGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 152917 | QLPELKQK SSNSRKRR STSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 152903 | PYSDFEKV TGRIDKNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 152777 | LLNIDKDIR K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 150858 | ISSLYNLVK SS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 156905 | KPGDPRQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 136353 | HGNAEVH ASFFDIGG S | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 136074 | LVKK | Mus musculus |

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|---|------|---|---|---|---|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 142913 | MVLNEGT SGTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 149403 | PCKSNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 118963 | PNYKVVN YAVTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133676 | RIYMRMK HVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 133722 | TSKSKYPL VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119038 | TSTNGIKKI LIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 99210 | ELFTNRW NLQSLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108291 | AVGADES VVKEAHRE VINS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108482 | IINPSENG DTSTNGIK K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 67875 | VCRQGVV DRGWGN GCGLFGK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 97650 | SLLTEVET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 47108 | PDHVRTK GPGRCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 44250 | NIIRTKKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 44142 | NHGNYS A QVGASQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 40619 | LVTVPFV SVATANS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 55825 | RSELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 57812 | SFKVTALN VVSRRYLA SLHK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 57542 | SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 12992 | ELDLQARR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 11463 | EDVNGIRK PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 30337 | KEDYRY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 17135 | FNCLGMS NRDFLEGV SGATW | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 20836 | GLFGAIAG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 11575 | EEEEEDG FMGFGMF D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137855 | FMVDSEYY KITN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156851 | AQMIIRLS SPGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.029 | t | 105748 | EFRHDSGY EVHHQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.027 | 0.032 | t | 7616 | DAPSFSDI PN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.018 | t | 64542 | TKDTNNN LTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.017 | -0.01 | t | 2378 | ALAELATK TFGSSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.013 | -0.01 | -0.008 | t | 8000 | DEGPKDIT DSLPA PMWRDKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 79362 | RCRKVLIC RRICP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.065 | 0.061 | 0.07 | t | 124840 | VSKTETSQ VAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.037 | -0.04 | -0.04 | t | 98775 | FNAEFNEI RR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 136894 | VIPMVTQI AMTDTTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.021 | 0.01 | 0.008 | t | 60396 | SQCKLGSV DLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.023 | 0.022 | t | 4833 | ASWAIKW EYVLLFL LADA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.009 | 0.01 | t | 35983 | LFSLNAPG L | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132086 | SSKGLSGK KRRRERG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 102712 | PDNPNNN YIKPTKVN KNENG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 92857 | GQNGERIT SK | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142423 | GAKKAAG EAKKASI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 99989 | EGRGLLKK LQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79385 | SCRLSTFS MRMVCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 149068 | LNLTSQR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 49107 | PQQQFPQ TQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.02 | 0.03 | 0.032 | t | 15509 | FEDVKGTG GESRDLP S GQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.007 | 0.009 | t | 72039 | VYHGAGS KTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 115205 | DELQDKIH PFAQTQSL VYPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.001 | 0 | 0 | t | 97917 | AYQTELAR VQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 137743 | DTPLTIAGL KLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 153331 | ACISPNQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.062 | 0.057 | 0.062 | t | 95369 | EVDDEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.039 | -0.04 | t | 135727 | NRSPSTGE QKSSGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.03 | t | 111232 | EDTYRFVT SQAACQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 94480 | CSICSNNP TCWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144777 | SGTHMNL YLHDTAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144777 | SGTHMNL YLHDTAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 144777 | SGTHMNL YLHDTAFA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79963 | PGSSPME VMLRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 49324 | PSDKHIEQ YLKKIQNSL S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.024 | -0.028 | t | 132613 | RLGGGLG GTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.013 | t | 79278 | KSAVGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.023 | -0.021 | t | 65784 | TPTGVHIA PVQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.013 | 0.01 | t | 113912 | TCFFRDHS YQEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.001 | t | 125052 | FSLRLMEE NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.001 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.01 | 0.008 | t | 139860 | PVQRGAW RWPVVTN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 120391 | AARYKYFP EVKTKGM A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.011 | 0.011 | 0.012 | t | 364 | AAPLPPPA PD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.032 | t | 77843 | AYSPTGLV WHPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 51935 | QPQQSFP QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119998 | KQQWVDY NLKWNPD DY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 49099 | PQQPQQS FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115800 | ITRINKKIE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105137 | DLQN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95677 | PPSGSGRR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0 | t | 95677 | PPSGSGRR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103549 | RHGLSSLG WNLCRIF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103659 | TLQAFLH WAITDGN K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.023 | t | 138029 | SASGSDVS LTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 135979 | QMRPVSR VLAPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.019 | -0.02 | t | 73033 | WRIGYFG H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.009 | 0.003 | 0.004 | t | 33199 | KRNQIVLT NDKGRLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.027 | -0.021 | t | 108848 | DEIDGVN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 107882 | HEHTFGR QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.017 | -0.01 | t | 135985 | RRGDMST LNTHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.009 | t | 118580 | RDRDRDR DRDR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 110616 | GPSGLAGP KGANGDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.003 | 0.001 | 0 | t | 6034 | CASKAALIE EGQRMAE MLKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.04 | 0.04 | t | 41984 | MLKYDEN GTITDAVD CS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.012 | t | 77924 | IYTSPTFPP TAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 112405 | YCARMRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 7109 | CTARVAGL FSPGSQQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.013 | 0 | -0.002 | t | 25280 | IAGDVRCV | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.003 | -0.01 | -0.012 | t | 132801 | ELYRQKVE PLRAELQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 116684 | CNYYSNSY SFWLASLD PKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 74371 | YISGYFVT DP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | 0 | t | 140837 | DEPPQSP WDRVKDL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 116807 | QFRHDDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97960 | DTNNNLTL VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 97960 | DTNNNLTL VP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 97960 | DTNNNLTL VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 135663 | EGGRDSC Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 134753 | MGPRRRS RKPEAPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 148146 | QPAVRNE RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 114880 | KTYGNKC NFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 49650 | PTHYISSR H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 92843 | GNDRLF GKG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 136647 | SNNADYK QSLLL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.026 | 0.03 | 0.031 | t | 122090 | ESPQEISK HQALG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 19737 | GGGAGAG GAGAGGG GR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.049 | 0.037 | 0.037 | t | 96160 | DAEDKDE DEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 129014 | IWAQKT NT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.011 | t | 115062 | HNGQACK GKIQALCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.041 | 0.037 | 0.038 | t | 54145 | RIESEGGYI ETWNPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.01 | -0.007 | t | 70396 | VPNLRGD RQALA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.107 | -0.119 | -0.11 | -0.113 | t | 94884 | MRRAHHR RRRASHRR MRGG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.029 | 0.032 | t | 130901 | IPFPTLFAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 72503 | WGQGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 72889 | WNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 72503 | WGQGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.001 | -0.003 | 0 | t | 41592 | MGIQLDQ RIILLFM | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.022 | 0.02 | 0.022 | t | 95043 | SPHQVYN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.022 | t | 95043 | SPHQVYN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 142282 | RRDLASR EAKKQLEA EQQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0 | t | 54003 | RGTTTPPAY G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.021 | 0.013 | 0.007 | t | 30956 | KGIKEFDE AGTLA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.014 | 0.019 | 0.02 | t | 54599 | RLITGRLQS LQTYVTQ Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.066 | -0.05 | -0.048 | t | 139324 | TRLIDERA AH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.008 | t | 144678 | GTQPTLEV VPMGRGS | Mus musculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.029 | 0.02 | 0.02 | t | 21345 | GMSQDPV A | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.03 | t | 71608 | VVATAAV CLLFIQGYS IYEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 61727 | STLLPPELS ETPNAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | -0.008 | 0 | 0.001 | t | 110957 | PAAVTLA EADRT | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.002 | t | 124189 | GHPLAPP QA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.05 | -0.052 | t | 742 | ADPNRFR GKNLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 51935 | QPQQSFP QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.01 | t | 46488 | NVSVSPSPS STPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 156900 | KLGDPRIA TTLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149093 | QGRNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 132936 | WGSNHA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 128092 | RGFGGDP RRVSLAAD RGGAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79556 | GHWTRFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 103038 | ALMSGNF SNGILWR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 115297 | INYWLAHK AL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.08 | t | 110652 | LCLIGCKPP IGEHWGK GSPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.028 | 0.04 | 0.034 | 0.04 | t | 108923 | EQGPKGE P | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.012 | t | 12306 | EGVQQEG AQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.009 | 0.01 | t | 37641 | LLPAADM DDFSRQL QNSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.033 | -0.04 | t | 119504 | NRRLLPM PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.038 | t | 107618 | SKPQSETL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.031 | t | 64085 | THTMIFDN AFNCTFEYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 129361 | LVQTKGTG ASGSFKLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 137734 | DTALTCAA LKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.079 | -0.082 | -0.082 | t | 106242 | AKAHILRW GN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.008 | t | 141749 | SNLDHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 55264 | RPPQGNW FGCTWM NSTGFTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.038 | -0.059 | -0.063 | t | 26174 | IFTITKILL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 110427 | STWPTTPP RPIPKPSP WAPK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.032 | t | 125414 | FSEELVFS LRLMEEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.012 | t | 11820 | EENVEHD AEENVEEN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.013 | 0.013 | t | 78278 | TIVIRVQYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.007 | 0.01 | t | 28133 | IQAIVSSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117799 | DRNGTHL DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103432 | MWLSPNG TIRNILGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111729 | RHVGGGT PRRPGKEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 70421 | VPPLRVW RHRARSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 39488 | LSLNHHN NW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.019 | t | 119914 | GSVVAINP ESDQPDLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.022 | 0.02 | 0.019 | t | 119914 | GSVVAINP ESDQPDLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.012 | t | 107448 | IPSTVKA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | -0.002 | t | 36761 | LIVTQTMK GLDIQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.031 | -0.013 | -0.008 | t | 153863 | NRRIQLE EDLERSEE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.019 | -0.01 | t | 119546 | WTAN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 66223 | TSGLASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.027 | -0.03 | t | 69824 | VLGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 47650 | PGFMFSR PSDPAFAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0 | t | 106553 | KAHILRW GNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.004 | -0.01 | -0.012 | t | 100297 | LVFFAEDV GS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.024 | 0.017 | 0.01 | 0.008 | t | 67187 | TVTTTTKG ENFTETDI KI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.053 | -0.056 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.038 | 0.039 | 0.04 | t | 73028 | WRGSNHS DQTII | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.047 | -0.037 | -0.036 | t | 135910 | DRRLCSHL EVCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 75849 | YSPEVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.039 | -0.04 | t | 149436 | QQHHHH QEQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.011 | t | 7004 | CSGLVGLF TPGAKQNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 133724 | TVCAGYC MTRDVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.034 | -0.031 | -0.03 | t | 73067 | WSERIREF MEKECP | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.034 | -0.031 | -0.03 | t | 73067 | WSERIREF MEKECP | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.063 | 0.068 | t | 138386 | FALTAVAE EVNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.02 | 0.025 | t | 134471 | PKPEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.009 | t | 45122 | NNHVSIVE AWSNDT PYLHD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.01 | 0.009 | t | 45122 | NNHVSIVE AWSNDT PYLHD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.008 | -0.01 | -0.012 | t | 9662 | DPKTSEILD ISPCSF GGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.047 | -0.05 | t | 135571 | LFRGRRAS Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 2379 | ALAEATK TFGSSGSS AVDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 9845 | DQGNST SWNFAAK YLLETI | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.01 | t | 22130 | GRLHVNQ RAVVAPD KEVLYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.029 | 0.031 | t | 103334 | LAKHSEHP TVDDEEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 132937 | WGSNNQ N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 111593 | NNIARMR LYDPNQA A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.012 | t | 52098 | QQPPQQP PQQPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.017 | -0.009 | t | 110863 | GLKAKPKF TLGKRKAT PTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 140488 | MSLLGHK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 140479 | KHGLLSM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 9278 | DLSLLGKARKVVVTKD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.017 | 0.02 | t | 57632 | SESTEGDAMEDIKQMEAESI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.013 | 0.012 | t | 111010 | RLGSEHVD RPLTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.019 | 0.027 | 0.03 | t | 24814 | HSMKEGIHAQQKEPMIGVNVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.01 | -0.01 | t | 57009 | SATAIFDCTLNPTIAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.021 | t | 119856 | FAIVHMTKLLLDYTGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.021 | t | 119856 | FAIVHMTKLLLDYTGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.021 | t | 119856 | FAIVHMTKLLLDYTGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.021 | t | 119856 | FAIVHMTKLLLDYTGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.021 | t | 119856 | FAIVHMTKLLLDYTGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.037 | -0.04 | -0.039 | t | 132906 | SYSMEHFRWG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.009 | t | 144670 | GREGYPADGGTSETNKCG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.003 | -0.002 | t | 12037 | EFLEQAFQVDDRQIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.033 | t | 134029 | DEDENQSPRSFQKKTR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.044 | -0.039 | -0.038 | t | 49140 | PQTWWE KNAKDIW EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 107126 | GAPGTPG PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.02 | t | 134676 | GASSHQH SRRRQGW L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 51828 | QFPQPQ QTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132939 | WGSNPPS ATAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 1948 | AIILLTCAV HPELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.018 | 0.02 | t | 78927 | ALLEETITA KGVRSPA IRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.007 | 0.01 | t | 88292 | RVHVSKEE QYYDYED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 153396 | HSFEPWS ARDMLGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 153472 | TGLRNGIT NKVNSVIE KAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | -0.003 | 0 | t | 95681 | PQYLKTVY QH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 92924 | HSKNVTNS LD | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.009 | t | 46054 | NTANPDW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.03 | t | 141658 | GIDDANKK ACCAIRGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 123519 | MRYIADK HG | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.019 | 0.02 | t | 138162 | EKKYSPCA WEVVRAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 101962 | PEPVQEP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | 0 | 0.002 | t | 64056 | THNQWN KPSKPKTN FK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | 0 | 0.002 | t | 64056 | THNQWN KPSKPKTN FK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.039 | t | 21823 | GPVLRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.055 | -0.057 | -0.058 | t | 98802 | GIRRFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.034 | -0.038 | -0.04 | t | 68027 | VDMVAGA HWGVLAG LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 115674 | ADARM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.021 | -0.019 | t | 64086 | THTPLPRG IGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.018 | t | 133640 | LYVEDISEP PLHDFYCS RL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.029 | -0.028 | t | 140577 | LVDYPYRL WHYPCTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.04 | -0.04 | -0.04 | t | 123182 | FLGDRQYL I | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.02 | t | 97484 | LVEETSFID AGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.019 | 0.02 | 0.02 | t | 97484 | LVEETSFID AGAP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|--------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.02 | -0.019 | t | 31104 | KHFNLT PVGSQ GIR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 53009 | QYNLAFSD RQSAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0 | t | 98983 | RFAPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.007 | 0.008 | t | 11712 | EEKANQRE EAYKEQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.041 | 0.041 | 0.04 | t | 55627 | RRKLTNPA NKEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119745 | AKLFKDYS SVVRPVED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119745 | AKLFKDYS SVVRPVED | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 119745 | AKLFKDYS SVVRPVED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.031 | 0.032 | t | 28291 | IRFKDDTSF EDING | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.016 | 0.02 | t | 118348 | FHSGKHY WEVDVTG KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.01 | -0.01 | -0.012 | t | 141683 | KDWG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119481 | KRRASAG GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 137746 | DTPLTVQG LKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 137733 | DTALTIQA LKL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 28693 | ISQQPFPL QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.037 | -0.027 | -0.028 | t | 95990 | VTPGKPN DPDNPNN NYIKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0.002 | t | 59967 | SNYYSDNE IEQHTAKQ PKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.01 | 0.001 | 0.002 | t | 50119 | PYKELRLE VGKQRLKY AQEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 140842 | EGNTDER GTPEYNIA LGQRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0 | -0.007 | -0.01 | t | 57679 | SEVYCPRP DRCLRAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.017 | 0.02 | t | 109865 | RSLDFQAT TMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.003 | t | 110980 | QPLGVGIS GHPLLNL DDTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.019 | -0.03 | -0.032 | t | 73053 | WRTFSRV DRAFFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0.002 | t | 18954 | GDDPLL NQ | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.015 | -0.019 | -0.019 | t | 75059 | YMIDSVL M | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.059 | 0.063 | 0.06 | t | 26408 | IHSDEGPG TGPGNGL GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.02 | t | 104569 | MASPGSG FWSFGSE DGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.008 | -0.008 | t | 106824 | SEFRHGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.007 | -0.008 | t | 48984 | PQDVKFP GGGQI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.015 | 0.01 | 0.01 | t | 46459 | NVQLINTN GSWHLNS TAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 137414 | HAPRYHTI YGWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.01 | -0.01 | -0.009 | t | 4701 | ASQKIQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 143674 | DRVALRNL LRRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 108283 | AQSAITAC W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.022 | t | 140905 | TPAAKVLV EGNTDER GTPEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.009 | 0.01 | t | 23295 | GWVDHFA DGYDEVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 8455 | DGNINLTD TSTSNKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.006 | 0 | 0.002 | t | 28076 | IPSTAFTDI AWVRLPN HYG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.017 | t | 26132 | IFNSVFLDF SVSFWIRIP K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.023 | 0.03 | t | 156601 | ADEPNLNL NSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.029 | 0.03 | t | 149432 | QPISQQQ QQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0.003 | 0.002 | t | 27757 | INTTGNPE H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.039 | -0.027 | -0.028 | t | 115351 | LKQKSSNS RKKRSTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.013 | -0.01 | t | 133867 | KVPAPKKG SKKAV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.009 | -0.01 | t | 100462 | RFSTRYGN QNGRIRVL QRFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.01 | -0.01 | t | 118048 | PGMRPP MGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.043 | -0.04 | -0.04 | t | 44572 | NKPSKPKT NLKH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.043 | 0.04 | 0.04 | t | 12542 | EIPDPVEA GEEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 107214 | MVGGVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.051 | t | 119904 | GLQLIQLIS VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.051 | t | 119904 | GLQLIQLIS VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.051 | t | 119904 | GLQLIQLIS VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.051 | t | 119904 | GLQLIQLIS VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.012 | -0.01 | t | 22122 | GRLGTYRY VASGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.033 | 0.042 | t | 112965 | EVKATPAG EL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | 0.003 | -0.001 | t | 115774 | GSGKDSHT RTTHYGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.021 | -0.022 | t | 120869 | PGYRSISG PDPRIRKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.01 | 0.021 | t | 67729 | VAQYKALP VVLENA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.053 | 0.053 | 0.05 | t | 53859 | RGETPGQL LPEIMQ | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.027 | -0.028 | t | 2285 | AKSMDV R | Anas platyrhy nchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 82 | AADAILHT PGCVPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.024 | -0.03 | -0.03 | t | 60541 | SQRPQQP FPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.03 | t | 60541 | SQRPQQP FPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 82611 | GEQQEAIK SA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99778 | WRRPSHQ QPRKIRPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115569 | YQGPIVLN PWDQVKR NAVPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79644 | SHLSTMV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 142471 | SAAGAKRS GRSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.08 | t | 115517 | TMARHPH PHLSFMAI PPKKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.01 | 0.009 | t | 144622 | EDVGSNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.035 | 0.033 | 0.031 | t | 122145 | LTLFPSRDT PLSSQTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.034 | -0.038 | t | 103830 | CHAVKVG NPSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 149417 | PQQQYPS GQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 142433 | KNDSLPH EPNNLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.061 | -0.06 | t | 150995 | HLGKC NIA GWILGNP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 55168 | RPGYEPPT VLGCALPP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 158837 | IHNDVEA WIDRYKYY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.017 | -0.02 | t | 79669 | VKFHTETR TVWQLSV AGVSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 66749 | TTPAQGN SMFPSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 66749 | TTPAQGN SMFPSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.009 | t | 125052 | FSLRLMEE NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 141761 | TAPPLPH SNLD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 141749 | SNLDHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 141726 | PTAPPLLP HS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 140014 | DSDVGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 141605 | APPLLP HS NL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 149298 | ELDKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 137401 | FEDVW | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 130872 | GSFLT KGP SKLNDRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130872 | GSFLT KGP SKLNDRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 130872 | GSFLT KGP SKLNDRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 107233 | RSFTLASSE TG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108600 | QLINTNGS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 100351 | NQILKPKLI SYTLPPVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 91100 | AFQTPVHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 76275 | YVFYSGNG PKASGGD YCIQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 62859 | TAGLVGLL TPGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 91109 | AHFVQQT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 62859 | TAGLVGLL TPGA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 97650 | SLLTEVET | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 57812 | SFKVTALN VVSRRYLA SLHK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 57542 | SELSQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 37656 | LLPHSNLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 59374 | SLNTGWL AGLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 48819 | PPLGNWF G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 49539 | PSTSSKLRP RWTFTSP VTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 14414 | ETHVTGGS AGRT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 10433 | DTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.02 | -0.018 | t | 122886 | RGTDEYFI RKPP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111394 | HDQTLPG GVRLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.029 | 0.021 | 0.02 | t | 37713 | LLQRATQ QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.003 | 0.01 | t | 122577 | SHRTATAA EELA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.006 | -0.01 | -0.01 | t | 78629 | DQKPPSR QSQIESR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.041 | -0.05 | -0.05 | t | 100129 | HYKWLND PLAAW | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 124286 | HPLSPRPL Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 103717 | VRRRHGLS SLGWNLC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 7947 | DEDSYGR DPYSPSQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 49086 | PQQPFPQ QPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.005 | 0.01 | 0.011 | t | 97171 | ADVVISPN D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.044 | -0.04 | t | 135894 | AHGCLFDR RLCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.017 | -0.02 | -0.019 | t | 133739 | WDRF | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.067 | 0.051 | 0.057 | 0.06 | t | 108873 | DLICYEQL NDSSEED EIDG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.011 | 0.012 | t | 65325 | TNGLASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 39352 | LSFSCYLSV TEQSEFYF PRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 72909 | WNSQPSL PYIRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.025 | -0.019 | -0.019 | t | 53676 | REWARRN GHNVSTR GRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.019 | -0.02 | t | 73904 | YFSMVGN WAKVLVV LLFAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.054 | 0.041 | 0.039 | t | 67191 | TVVAPDKE VLYEAFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.007 | -0.008 | t | 106865 | SRKFLNPD FIEGVCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.027 | 0.01 | 0.009 | t | 70482 | VPSSSSTPL LY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.007 | -0.008 | t | 10037 | DRPVVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.044 | -0.053 | -0.052 | t | 3502 | APCIPYVR GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 36957 | LKMADPN RFRGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 36957 | LKMADPN RFRGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.026 | -0.027 | -0.03 | t | 46440 | NVPAGAG AAILTPTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.038 | 0.041 | 0.04 | t | 4499 | ASKATLIEE GQRIAEM LKSK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 38915 | LQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | 0.003 | -0.001 | t | 115101 | RDHSYQEE AAMELKV EDPFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.048 | 0.051 | 0.051 | t | 41016 | MADNGTI TVEELKQL LEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.023 | 0.019 | 0.021 | t | 32580 | KNPEKPHF PL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 103162 | FCGRIHTR YSSAYEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.02 | -0.02 | t | 61192 | SSLRYGNV LDVNAI | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.042 | -0.03 | -0.03 | -0.028 | t | 136364 | IDPLMFKY WYNM | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.001 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.001 | t | 108382 | GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.001 | t | 23599 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.003 | 0.001 | t | 122269 | ARQNLKD AGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.029 | 0.033 | t | 141764 | TLNFNAEG EPELLMLA NWR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 116085 | EPANPSEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 28603 | ISLTEWSM WYRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.004 | 0 | t | 118430 | ISDAMKKV GRKGV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.02 | 0.006 | 0 | t | 16265 | FINTSKGQ KC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 95816 | SAQSGTSA QSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 95816 | SAQSGTSA QSGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 22986 | GVGSSAVI LDDNFVT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 8888 | DKIDWRES GYVTEVKD QGNC | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 9694 | DPNANPN VDPNANP NV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.007 | -0.01 | t | 30407 | KEGLRNIT AGANPIEV KRGm | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.078 | -0.08 | -0.081 | t | 120077 | LMRYWAN FAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.078 | -0.08 | -0.081 | t | 120077 | LMRYWAN FAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0.006 | 0 | t | 98435 | RYPHYSSLI KPESSL | Homo sapiens |

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|---|------|---|---|------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.014 | 0 | 0 | t | 14686 | EVETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.014 | 0 | 0 | t | 14686 | EVETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.021 | 0.022 | t | 44235 | NIGTGTSA YTSLNVLA RFTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 140462 | FNTKHDM QGDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | -0.002 | t | 106264 | ARDMWR AYSDMRE ANYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0.002 | t | 11560 | EEDQKARE | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 7850 | DDPPATVY RYDSRPPE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 7850 | DDPPATVY RYDSRPPE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.002 | t | 7850 | DDPPATVY RYDSRPPE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 159042 | NTFVVDG PETKECPT A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 138608 | RVGAHDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 136082 | SDDPSPGA IDSNNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.003 | 0 | t | 137185 | HNYGVVE SFTVQRRV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 138304 | ATVQLPQ | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 136083 | SEGAEYDD QTSQREKE DDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 137298 | TELGRPDA EYWNSQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 137165 | GDTRPRFL WQPKREC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 136081 | RTTLQSDQ EEIDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 139044 | EYWYCGM NRTGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 136092 | YKSQYLNN GPQRIGRK YKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 134200 | PVVNSLDP PLLTRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.003 | 0 | t | 137298 | TELGRPDA EYWNSQK | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 136064 | HQIALRME VLGCEAQ DLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 140665 | DTAAQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 147564 | CYGTKPW MC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 137165 | GDTRPRFL WQPKREC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 136420 | KIHAREIFD SRGNPTVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 137185 | HNYGVVE SFTVQRRV | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119925 | HFPFDEQ NGSMKLG TWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119580 | FMESGEW VIKESRGW KH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119563 | EDHRQVV EVTVGLQL I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 125386 | DVSQTSVT ALPSKGLE HLKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 117509 | GQIPPGA M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 125411 | FQGLCNET LTLKLYNN GFTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 125413 | FRVTCKDI QRIPSLPPS TQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119579 | FKDYSSVV RPVEDHR Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 134020 | CPEEPQLR MKNNEEA EDYDD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 120168 | RGWKHSV TYSGGPDT PY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 117587 | NLSSLELG DSALYFCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 134015 | CDKNTGD YYEDSYED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 131391 | DGSHTRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 120699 | KMFPEVKE KGMAALP RL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 117653 | TLESLPAPE TSVYFCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 121161 | AVEKVKRT KDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 124604 | QIERDTER DRFLSAPE AV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119741 | AIFKSYGEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 131412 | ERGLRYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 131413 | ERILTIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 120930 | RYRPGTVA LREIRRYQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119578 | FAIVKFTKV LLQYTGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 132504 | NNAIEPRS FSQNPPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 132336 | GHEAQPH SRPYMASL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119624 | PDTPYLDIT YHFVMQR L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 125540 | QSLRQRKS VNALNSPL HQEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 131762 | YAASSYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 117545 | KIQRTQQE DSAVYLCA | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119598 | INPESDQP DLSNFMES G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 131545 | LMKINS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 131766 | YCQTWGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 120682 | KILPEVKEK HEFLSRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 122878 | PYEFSRKV PTFATPW PDFVP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 123386 | KPKSQETP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119741 | AIFKSYGEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 110733 | VGENVPD DLYIKGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 105021 | VHHQKLV FFAEDVGS NK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 104586 | NRVAPNV RQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 107087 | ARGLTGRP GDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 107087 | ARGLTGRP GDA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 106634 | LVGPRGER GFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 111585 | NKSEVPLD ICTSICKYP DYI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 105319 | LVFFAEDV GSNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 113848 | SGKDGHH AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 113401 | FKLPGLNS R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 113400 | FKLGGRDS R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 102564 | KKRPKPGG GWNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 117366 | RRREGPDR SPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 109406 | KIQPSEPR DSAVYFCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 111915 | VHTGFGA MDFTTLQ ANKSEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 105021 | VHHQKL VFFAEDVGS NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 117348 | PTRAPSGP RPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 76350 | YVLLSEKKI S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 68987 | VIIEQSWG SP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 68200 | VEGMQFD RGYLSPYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 68200 | VEGMQFD RGYLSPYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 74374 | YISPYFINT S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 74374 | YISPYFINT S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 48479 | PLSLRSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 48479 | PLSLRSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 49855 | PVEIRRGV ML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 29342 | IVLGGGCA LL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 30710 | KFDRGYIS PY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 11081 | EAIPALTA VETGHTSQ V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 5568 | AVTMGPK GRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 3290 | ANGAGNQ PGANGAG NQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.034 | t | 108089 | RAGRFGY QR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 136361 | HVRIPPTM PEAW | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 64498 | TIVIRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79684 | YHQTTP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115607 | GPRHPIRA LVGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 115607 | GPRHPIRA LVGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.04 | 0.047 | 0.04 | t | 135486 | PELEETLTH TITKLNAE NNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 30262 | KDTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 115603 | ELKVEDPF YWVS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.007 | 0.01 | t | 49414 | PSKPTTKQ RQNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.004 | 0.01 | 0.01 | t | 128086 | QTGWCAF QLCNSYDL F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.001 | 0 | 0.002 | t | 9524 | DNPASTT NKDK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.047 | 0.05 | t | 7782 | DDGKGDR SHKNEDES ALASK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | -0.001 | t | 106347 | DMQLYPV LTPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135836 | DLFGNVLL GQRLDQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135836 | DLFGNVLL GQRLDQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.001 | 0 | t | 68618 | VGAESCCR PFGSLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.04 | 0.04 | 0.042 | t | 113344 | DTFVVSSS DS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 110604 | GLTGRPG DAGPQGK V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.001 | t | 153827 | EQQYNKPL CDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 119048 | VSDYEMKL MDLDVEQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 108522 | LHEYMLDL QPETDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 111193 | DGPAGQA EPDRAHY NI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 111309 | GDTPTLHEYMLDLQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.001 | t | 61589 | STEQNVPDPQVG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0.001 | t | 60663 | SRGAPGGGFVPSLQGVVP | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 95058 | AGLQND | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.001 | t | 61589 | STEQNVPDPQVG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0.001 | t | 63217 | TDQMEVDSGPRKRPLRGG | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 55951 | RSRSES | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 56962 | SARDGIRDAMIGLREEMIEK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 43215 | NALTQPV DQLLK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 49749 | PTPSDNPF SKLYKETIE TFD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 43215 | NALTQPV DQLLK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 37660 | LLPHSNLDHILEPSIPWKSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 51393 | QLKLNWF KKGSS | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0.001 | t | 19269 | GEGAPPA KRARTDQ ME | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 10801 | DWEDRY RE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0.001 | t | 29852 | KALENKK QLSAGGK NLS | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135545 | DVFYPYPY ASGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0 | 0 | t | 78115 | DDPPATVY RYDSRPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.027 | -0.022 | t | 145369 | MWCKIGH DRCEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.012 | t | 22687 | GTHNQW NKPSKPKT NLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.007 | 0.01 | 0.013 | t | 62831 | TAEGRAIN RRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.059 | 0.063 | 0.065 | t | 106487 | GTSTEVWL APDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.019 | -0.031 | -0.032 | t | 9928 | DQWTAV GSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 148992 | YIPPHCSTT I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.112 | -0.112 | -0.107 | -0.107 | t | 96141 | CGLRAPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 110759 | AAHRKESY SIYVYKVLK QVH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 112047 | ASTRESG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115800 | ITRINKKIE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 104319 | TTSSQELE RYTFNPQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 97654 | SMGAKPT G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 107194 | LEQTELSV TRET | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 55305 | RPQQPFPL QP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.028 | 0.02 | 0.02 | t | 56734 | SADNNNS EYSWT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.008 | t | 49950 | PVRVAWS SPVQNCEP WIPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.019 | -0.011 | t | 131903 | GVMAARG QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 106308 | CKCIVRAT KGIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.034 | 0.032 | t | 118539 | NNGNLQL RNKEVTW EVLEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.017 | -0.02 | t | 42659 | MSRTWL MKAHGIES W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 58037 | SGFTLEFLE HAFSVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.012 | 0.003 | 0 | t | 25280 | IAGDVRCV | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.001 | t | 99921 | DAEFRHDS | Mus musculus |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.059 | 0.056 | 0.062 | t | 127618 | DEEKDKGL QTSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.017 | t | 140460 | EKLKHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.019 | t | 23934 | HGPDWAS P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 112623 | PPLELINTV IQDGD MVHTGF | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111562 | MPSESHTS VPST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.065 | 0.057 | 0.06 | t | 123440 | LLEYGEKYE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.002 | t | 41754 | MINVQAK PAAAAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 116684 | CNYYSNSY SFWLASLD PKR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 112396 | WASTRES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120181 | RRATQLA HLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120181 | RRATQLA HLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 120181 | RRATQLA HLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119980 | KAPQWPP YTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119980 | KAPQWPP YTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119980 | KAPQWPP YTA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 119980 | KAPQWPP YTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.017 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 48002 | PITNDQKK LMSNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 25250 | IADYNYKL PDDFMGC VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.006 | t | 4396 | ASFDRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 140555 | DWDYGAL MWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.011 | -0.01 | -0.008 | t | 60595 | SQWNKPS KPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.011 | -0.01 | -0.008 | t | 60595 | SQWNKPS KPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.021 | t | 72940 | WPKD TDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.036 | -0.032 | -0.03 | t | 24454 | HPHDLDD ARRDGRA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.009 | 0.003 | 0.01 | t | 127935 | ARLSAKPA PPKPEPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.021 | t | 139398 | YGCDVGP DGRLLRGH DQYAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 139398 | YGCDVGP DGRLLRGH DQYAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.011 | 0.009 | 0.012 | t | 47769 | PGVAGSG A | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.018 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.018 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.016 | -0.02 | -0.018 | t | 4220 | ARQKLKD AER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.01 | 0.017 | t | 116021 | VPQKAVP YPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.032 | 0.031 | t | 137910 | KPESEELT AER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.02 | -0.018 | t | 43545 | NDYCLREC KQQGYKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.017 | 0.021 | t | 141603 | AINASSDL NLIGFGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 65699 | TPPTTPVS PKVPPAFF QSMR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.032 | t | 68757 | VGPKASKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.098 | 0.091 | 0.093 | 0.099 | t | 109905 | SEEEND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114847 | GTNISKEH DG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 52105 | QQPQQPF PLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 52105 | QQPQQPF PLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135754 | RYVNWIKE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 134235 | SMENPGL WILGCHN SDFRNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 108799 | ARGPPGPT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 112575 | LFFYLRRE QMFVRHL FNRAAG | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 55305 | RPQQPFPL QP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 42797 | MTEQQW NFAGIEAA ASAIQG | Macaca fascicularis |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | 0 | 0 | t | 42797 | MTEQQW NFAGIEAA ASAIQG | Macaca fascicularis |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.018 | 0.01 | 0.01 | t | 67054 | TVKTKNTT TTQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.007 | t | 918 | AEGEFATA PPSHYSW DPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.005 | 0.02 | 0.022 | t | 31451 | KITQTQKD SKNTTVIV REIV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.005 | 0.02 | 0.022 | t | 31451 | KITQTQKD SKNTTVIV REIV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.011 | -0.01 | -0.009 | t | 30200 | KDLLEQKR AAVDTYC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0 | t | 122912 | TDVRYKD DMYHFFC PAIQA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.04 | -0.04 | t | 136058 | DKATV | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.01 | t | 97686 | TGSAAANY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.01 | t | 97686 | TGSAAANY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 55264 | RPPQGNWFGCTWMNSTGFTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.018 | t | 14371 | ETFLRGFLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 21927 | GQPAVRNERA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 22044 | GRGGIYRFVTPGER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 148647 | IVKVEDKSKLQDTKDKKR | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 112099 | ESGVPDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 158601 | MQAHQTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 94641 | PESWHTRWDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 147005 | GVRKRKQLNVQAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107673 | VSNKALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99528 | PGERTGRQP GDYDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79511 | AIWSTRT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.017 | 0.021 | t | 55783 | RRYQEERP | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 134791 | RRRSRKPEAPRRRSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.01 | -0.01 | t | 29482 | IVTPRTPPPSQGK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.032 | -0.031 | -0.031 | t | 38772 | LPWRAPS QPAAAF LF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.046 | 0.063 | 0.07 | 0.072 | t | 113302 | CDDDDDN DGV PDSR DNCRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.058 | -0.057 | -0.062 | t | 121715 | PNKQTPS GKKCIAAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 107368 | FSSAP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.022 | 0.013 | 0.01 | t | 2583 | ALGLTSLFS PGPIQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.036 | 0.041 | 0.04 | t | 49287 | PSAAAKEE PEESEDDE FGMG | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.004 | -0.009 | -0.008 | t | 72483 | WGNGCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.041 | 0.048 | t | 96208 | EDEEDEED KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.038 | 0.03 | 0.031 | t | 94954 | TTAETLDA TC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.012 | t | 120416 | AVALREYR KKMDIPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0.001 | t | 151493 | VVDGPETK EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.022 | 0.01 | 0.007 | 0.01 | t | 156980 | YTLGHFHG QPQL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 9896 | DQRPYCW HYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.017 | -0.019 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.021 | t | 133534 | CKLTANPS LAAVV | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.002 | t | 106817 | SDARENIQ RFFGHG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.03 | -0.029 | t | 47721 | PGPGEVW V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 38948 | LQPGVDIIE G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 104183 | PQQMRN N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 116029 | YAKPAAVR SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.021 | t | 69171 | VIYSKYGG TE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.011 | 0.02 | 0.022 | t | 78627 | DPDPPDA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 122353 | FSLQLMEE NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.01 | -0.01 | -0.008 | t | 156938 | PPEKIHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.006 | 0 | t | 115702 | DEAELPSRI SPGKNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | -0.003 | 0.001 | t | 14979 | EYAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.022 | t | 140839 | DERGTPEY NIALGQRR ADAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.006 | -0.017 | -0.021 | t | 95536 | LAARVVK Q | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.007 | 0.01 | t | 68024 | VDDMMRF NINDFLPP G | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.015 | -0.02 | -0.02 | t | 94041 | TKRFKINAI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 119382 | VISCAKDAI EDEEGSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | 0.002 | 0.002 | t | 106829 | SETPANRL HFYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0 | -0.002 | t | 66508 | TSYTGPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.021 | 0.02 | t | 35172 | LDGRPLST TQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.052 | -0.049 | -0.047 | t | 96170 | DEDSYERD P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.007 | 0 | t | 12138 | EGCNGDG TSYKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 122892 | RSILPYGDS MDRIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 125448 | IRGILESLM CNESSMQ SLRQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 122842 | LLDLPRDL GGMGCSS PPCE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 126201 | GYKEKSKF QDTHNNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 124588 | PQEETLQA FDSHYDYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 122790 | HQEEDFR VTCKDIQR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 106634 | LVGPRGER GFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 62340 | SVSVGMK PSPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 100355 | NRIQVDSS NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.04 | 0.041 | t | 108167 | TRAFGNEA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.01 | t | 61741 | STLPETTV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 151057 | SSWPNHD SNKGVTA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99597 | RAHVQVV DSNGNRV Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 100371 | NYLVDGN GRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 156421 | QNAFRISR QEARNLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 133668 | QEGPEYW DRNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 123038 | AQPVRLLL E | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.009 | -0.01 | t | 85467 | LLKKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 73131 | WTGVAQ D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.027 | -0.022 | t | 130994 | PDQRPYC WHYPPKP C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.065 | -0.061 | -0.058 | t | 118141 | SKGRRFKG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.033 | -0.03 | t | 12111 | EFYEKVTG TDLELIQIL KDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.039 | 0.033 | 0.029 | t | 113534 | IDVDVSKP DLTAALRD VRQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.039 | 0.033 | 0.029 | t | 113534 | IDVDVSKP DLTAALRD VRQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.021 | 0.011 | 0.01 | t | 95104 | ITGAGPKY VKQNTLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.001 | t | 118581 | RDRDRDR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.001 | t | 46317 | NTWTTCC SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.02 | t | 51973 | QPSYTVPI PRHA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.02 | t | 158938 | KTQNNQGP WDEGRVE ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0 | 0.01 | 0.01 | t | 79010 | KVDNAETI KKELGLSLT EP | MD |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 132941 | WGSNVYN SPFHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 131100 | TDSEMDV VRFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 7763 | DDEDLDEF KPIVQYDN FQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.012 | 0.011 | 0.01 | t | 122143 | LSVVGDPD APPTMVA VAPVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.016 | 0.01 | 0.008 | t | 133733 | VKTLLPYG SVINYYGY VKPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.03 | -0.03 | t | 121348 | GQFRVIGP GHPIRALV GD | Rattus norvegic us |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 109772 | QPREPQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135686 | GRVSVSQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 127687 | HSSHRLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79347 | QCNAREW SANYICR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 136137 | APDRKGFR LLASPRSC YKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.041 | 0.031 | 0.031 | t | 138202 | LPTITNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 78077 | YPYSMWK NLWPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.007 | 0.01 | t | 44570 | NKPNWD GYA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.007 | 0.01 | t | 44570 | NKPNWD GYA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.003 | 0 | t | 86807 | NIYTFVPEK IYGLIAKKQ SN | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.008 | 0.02 | 0.021 | t | 102888 | VEPSYEAE PTPPTPTP DQPE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.002 | t | 135498 | SCKLPVKK ATVVQGE RVKIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 10868 | DYEDRYR E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 77970 | PQTQQFIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.01 | t | 56043 | RTEQKDFD GRSEFAYG SFVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.008 | 0.02 | 0.026 | t | 32 | AAAETGV GVIKSIAP | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.082 | 0.073 | 0.07 | t | 63792 | TGATVSSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 63655 | TFGAASNK AFAEALST EPKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.013 | 0.01 | t | 69383 | VLAQKVA RTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.019 | -0.014 | t | 20260 | GIFRAAVC TR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.047 | -0.051 | -0.051 | t | 61989 | STVPYPST PLLPHPEN L | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.102 | -0.102 | -0.097 | -0.1 | t | 96175 | DFRWYGP KYITHSIRS FTPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.016 | t | 96455 | KGKNVLIN KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.044 | -0.026 | -0.027 | -0.03 | t | 52754 | QVNSLKKA | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.043 | -0.033 | -0.028 | t | 13661 | EPIAPYHF DLSGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 150977 | EEAKLNRE EIDGVKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.008 | 0.01 | t | 10831 | DWTKVTL DGRPLSTI Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.011 | 0.011 | t | 43145 | NAFNCTFE YISDAFSLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.033 | 0.028 | t | 136083 | SEGAEYDD QTSQREKE DDK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.01 | t | 18314 | FVVEYTKK W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.016 | -0.029 | -0.03 | t | 82705 | GKIRAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0.006 | -0.001 | t | 157917 | RTVKKNIE EN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | -0.003 | t | 129974 | SPSAKDIK KILDSVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78277 | TIHGSN | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137735 | DTALTREA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 132679 | SRERDKER ER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112306 | SDHKNYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 9537 | DNPRYTD AHNAVTD GRTVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.031 | -0.029 | t | 60671 | SRGKGPG KKNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 53635 | RESQAYYQ RGAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.056 | -0.05 | -0.05 | -0.05 | t | 123495 | MHHMPG QP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.008 | 0 | 0 | t | 51309 | QLDPAFRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.043 | t | 103993 | IPPSLRLE DNEERMS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.001 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.022 | 0.009 | 0.008 | t | 28322 | IRIPKYKND GIQNYIHN EY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.044 | -0.053 | -0.052 | t | 3502 | APCIPYVR GG | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.001 | -0.002 | t | 63973 | TGTDLELI QILKDHYN ISLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.02 | -0.031 | -0.032 | t | 49146 | PQVMFDF A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149429 | QLWQIPE QSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 149429 | QLWQIPE QSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.02 | -0.02 | t | 141698 | LENGRSLE GVYVPPRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.02 | -0.02 | t | 141698 | LENGRSLE GVYVPPRR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 141698 | LENGRSLE GVYVPPRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99545 | PSHQQPR KIRPEGRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79246 | HCGQNSH PMWRKC Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 24261 | HLNDRVV VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 108280 | APRRLFDI A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.034 | 0.023 | 0.02 | t | 96367 | HSNLDHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.03 | -0.03 | -0.03 | t | 153841 | KCLKFYSKI SEYRHY | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 153841 | KCLKFYSKI SEYRHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.056 | 0.06 | t | 115638 | QDGDQAP EYRGR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.03 | t | 139499 | FGEFSFQY DCSSWGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135504 | VPGVGGL G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.01 | t | 19097 | GDRADGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.013 | -0.001 | -0.002 | t | 110453 | VSAEQW GRL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.002 | t | 132213 | DKERERR SR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 95828 | SGASAQ SGTSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 95818 | SAQSGT SGTSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 95841 | SGTSAQ SGTSAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.029 | 0.039 | 0.042 | t | 41169 | MAVPAF S DIAKSAN D LLNKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 63037 | TAVSP TTLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 51896 | QPQLP FP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.012 | t | 17362 | FPQPE LPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.012 | t | 17362 | FPQPE LPY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.007 | -0.021 | -0.022 | t | 137947 | PNTMKTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.013 | 0.014 | t | 106764 | QYTSIHGG VVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.039 | 0.03 | 0.027 | t | 110999 | REEAENTL QSFRQDV NTLQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.009 | -0.017 | -0.02 | t | 38171 | LNAMTQN IRPVQSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.023 | -0.031 | t | 131116 | TQSYPPPP AWRAASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | -0.003 | -0.002 | t | 6238 | CFLLFSGCF ALREQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 139203 | QIYKAQA QTDRESLR NLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 113897 | STYTTTSH AASPTSIN NGLY | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.027 | -0.03 | t | 8989 | DKSRYGGL G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.003 | -0.01 | -0.012 | t | 435 | AASKSCPL PQVRALES LESL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.01 | -0.01 | t | 7847 | DDPLLRTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149093 | QGRNPTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79649 | SPSAPTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 503 | AAVVLPG VGLAGGA ATAGA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.03 | t | 33063 | KQRQNKPNKPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.02 | 0.01 | 0.008 | t | 70398 | VPNLRGDSQVLAQKVARTLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.13 | -0.128 | -0.12 | -0.127 | -0.133 | t | 144823 | YWEGSGIGAII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 158734 | DYKYFPLTPGLARVI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106846 | SKGCCSGAKRLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 72506 | WGQGGSHSQWNKPSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 72506 | WGQGGSHSQWNKPSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 72506 | WGQGGSHSQWNKPSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 72506 | WGQGGSHSQWNKPSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.022 | -0.02 | t | 122143 | LSVVGDPDAPPTMVAVAPVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.041 | -0.041 | -0.042 | t | 18500 | GAAALRAHVSGRRA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 52152 | QQSPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.005 | 0.01 | t | 40110 | LTPLEELY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.077 | -0.071 | -0.068 | t | 1165 | AESPKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.002 | -0.013 | -0.012 | t | 157343 | GRQQHKF GQCQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.035 | 0.03 | 0.03 | t | 113212 | VPVLSAKA AQASDLE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.027 | 0.028 | t | 78255 | QTTPEEKP AEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.013 | -0.01 | t | 118798 | GAGFGHG SGYGVGH GK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.001 | 0 | t | 30300 | KEALDKYE LENHDLKT KN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135503 | VGIPGGVV GAGP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.059 | 0.051 | 0.05 | t | 71292 | VTENDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.007 | 0.011 | t | 38304 | LNPKTNK WEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.019 | -0.018 | t | 78936 | AWDMM MNWSPTT ALV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.023 | -0.018 | -0.007 | t | 98832 | IPPYCTIAP FGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.041 | -0.042 | t | 131022 | QSGRKGA DIM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.012 | 0.011 | 0.01 | t | 22028 | GRFDEAM QDQIRQLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.056 | 0.04 | 0.051 | t | 53878 | RGGPDDL TAL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135415 | AAKAAA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135897 | APKRPGPA GELL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 137540 | LDRTPRKF HLAGNPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 117342 | PGSALLRQ SMHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 111828 | THMQGW WWSKPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 52157 | QQTFPQP QQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.02 | t | 37335 | LLGILES RG IKARIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.029 | -0.03 | t | 69299 | VKQMYKT PTLKYFGG FN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 144651 | GKTVVGQI TV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 115631 | NVRFSD EG GFTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | 0 | t | 7852 | DDPPKDG NKDDL PKE EKKDD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.026 | 0.017 | 0.018 | t | 80014 | RNYPTGAE FLGEG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.022 | t | 32568 | KNNNNEE PS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 151763 | WYRATHQ E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 131087 | SSPPCE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 131087 | SSPPCE | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 131087 | SSPPCE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 131087 | SSPPCE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 131087 | SSPPCE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 111115 | APYKLAMRDQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 144720 | LMKFVDSKSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 156904 | KPGDPRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.003 | 0 | 0 | t | 43792 | NEWGCRCNDSSD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.023 | -0.022 | t | 76244 | YVDDHLMCDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 95370 | EVGYTRAEGLYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 47427 | PESRESLAWQTATNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 18363 | FWRGDLVDFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.021 | 0.018 | t | 35244 | LDNPLENPSSFLDLVARIKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0 | t | 50058 | PWYVWLGFIAGLIAIVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.01 | t | 151944 | KFPSESRPNVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.017 | -0.017 | -0.017 | t | 115406 | NRKVKPTTEGGVETE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103262 | HVIAGQASPSRIDGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 153267 | IWENAGRMV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 114754 | CAHKVEQ GAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 151022 | LCKLRGVA PLHLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | 0 | t | 65669 | TPNLTTAH GAGS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.016 | 0.02 | 0.02 | t | 50172 | PYSPSQDP YSPSQDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 110911 | KATPNDG Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 68896 | VHTWTEQ YK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.037 | 0.02 | 0.02 | t | 49000 | PQGGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.011 | -0.01 | t | 12208 | EGKVSTLP LDIQIIAAT MSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.011 | -0.01 | t | 12208 | EGKVSTLP LDIQIIAAT MSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.011 | -0.01 | t | 12208 | EGKVSTLP LDIQIIAAT MSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 95037 | RWNPADY GGIKKIRLP S | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 135586 | PFMLAQF DG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0 | -0.011 | -0.01 | t | 134831 | YVKEAENL KKYFN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 77954 | LVVMVVA PLTVNTEG APQIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.009 | -0.01 | t | 66082 | TRQAQDI QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.032 | 0.03 | t | 138192 | HQTPLST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.023 | 0.03 | t | 107891 | HRLAFGQY T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | -0.002 | t | 95116 | LLPHSNLD HILEPSIPW KS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.003 | 0 | t | 58829 | SKFTEPVK DVMIKSLP ALN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.004 | -0.008 | t | 21442 | GNHVSPT HYVPESD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 107747 | ASNTNYIT STLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.01 | -0.01 | t | 110766 | AIKSEVSLT GAL | Macaca |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.027 | -0.017 | -0.018 | t | 99027 | TNALGNQ FQTQQAR T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 58922 | SKPTTKQR QNKPPSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.01 | 0.01 | t | 47984 | PISLLFNEK EADDNDH EPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 159171 | TTDSGKLIT DWCCRNC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.022 | 0.01 | 0.007 | 0.01 | t | 156857 | DKSKKCEK NCAPMV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.034 | -0.03 | -0.029 | t | 95142 | RIKNTDGSI S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.007 | -0.011 | t | 51844 | QPGPSREY RYVLRTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.029 | t | 64994 | TLNWPPTL WGMH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 43247 | NANPNAN PNANPNA NPNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 43247 | NANPNAN PNANPNA NPNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 62339 | SVSVGCKP VPRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.01 | t | 9818 | DPYSPSPY DRRGAGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.051 | t | 95013 | GGIKKIRLP SDDVWLP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.006 | 0.014 | 0.02 | t | 56837 | SAIRAAPE AARSLASS LPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.02 | -0.02 | t | 136727 | VNWNSW HKTNLS | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.02 | -0.02 | -0.02 | t | 136727 | VNWNSW HKTNLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 153347 | ACRTSNQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 96998 | TRRAGPM Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.019 | 0.02 | 0.021 | t | 1575 | AGKKESTV MTSGSA | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 139725 | EMRTRIRY NRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.06 | -0.06 | -0.06 | t | 139725 | EMRTRIRY NRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 115572 | YQQKPVA LINNQFLP YPYYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.029 | -0.037 | -0.04 | t | 42053 | MLRTWL MKTQGIES W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.039 | -0.043 | -0.04 | t | 99619 | RLVLRRNA LRRPFYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.033 | -0.033 | t | 107035 | YTTRRWLV SM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.029 | -0.031 | -0.028 | t | 63944 | TGQHGH MH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.053 | 0.06 | t | 108155 | TDHGAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.001 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 153480 | TPSWRNP FPTFYGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 137744 | DTPLTRQA LKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.029 | -0.028 | t | 150874 | NWFDISK WLWYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.021 | t | 119598 | INPESDQP DLSNFMES G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.03 | t | 135929 | GDKEIGNII SDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.018 | -0.02 | -0.02 | t | 146031 | TLAPVRPP LTVGPVGP SDP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.012 | t | 122073 | AEEQARH VKNGLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.008 | t | 95008 | EDVFQNG FTAW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 141683 | KDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 66703 | TTLNPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.007 | -0.008 | t | 30710 | KFDRGYIS PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 97916 | AVVGKPG SDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 112120 | GAWFAY W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.008 | t | 133577 | FVVDMMME RLRISQKW VRVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 122850 | LSNSSTLDL ASINLQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 131040 | RLAPEPDD PITPMTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.009 | -0.01 | t | 28371 | IRQGTDYK HWPQIAQ FA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.013 | -0.009 | t | 26844 | IKLPALF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.062 | 0.053 | 0.06 | t | 128141 | VTNDCSNS SIVYEAAD VI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 48662 | PNKKPGKK TTTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99836 | QFPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.032 | t | 64085 | THTMIFDN AFNCTFEYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.017 | -0.014 | t | 135912 | EALVLDTN GLMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.017 | 0.013 | 0.009 | t | 130622 | TGLVAQG TDSIG | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.03 | t | 63458 | TELRYSWK T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.024 | 0.021 | 0.022 | t | 56060 | RTGLDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.001 | 0.004 | t | 138198 | KPTSTLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.04 | -0.04 | t | 38771 | LPWLPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.011 | -0.007 | -0.012 | t | 153827 | EQQYNKPL CDL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.01 | -0.003 | t | 115672 | AAVRSPA QIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.003 | 0 | t | 27758 | INTVDSNN LPIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.032 | 0.03 | 0.032 | t | 107307 | DAEFGHD SGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.025 | 0.019 | 0.02 | t | 6367 | CGYGGPA NKKNAGC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 115873 | NQDKTEIP TI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99480 | NAGGEQE ERGQRRW S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127911 | AADRGGA DVASIHLT ARAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140859 | GQRRADA VKGYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.08 | t | 115924 | QPTTMAR HPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.004 | 0.002 | t | 118554 | PPGIRGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 122290 | CSNSSSQ FQIHGPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0 | t | 122290 | CSNSSSQ FQIHGPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 118763 | CYGSFARP MN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.011 | -0.008 | t | 72320 | WDMMM NW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.008 | t | 72320 | WDMMM NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.016 | -0.01 | -0.008 | t | 43547 | NDYDGFLE NAHEHHG VYNQG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 25145 | HWYDAEV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0.004 | 0.002 | t | 50637 | QELDCWH YQHCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.02 | t | 149440 | QQQQQPL SQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.019 | -0.021 | t | 153294 | TYNHDYKT GMVIYSPF MTYP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.023 | t | 140582 | PWATLV AES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.016 | -0.01 | t | 32826 | KPPKYHPD VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 140507 | TKTWQSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.045 | 0.048 | 0.037 | 0.038 | t | 158291 | SQQGQRR EFQQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.035 | 0.03 | 0.03 | t | 6277 | CGDELEAE TQNVYAA GC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.033 | -0.031 | t | 99784 | YGNLYRN ALFVAHYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.009 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | 0 | 0 | t | 49879 | PVGTVAP QIPPNWHI PSIQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.027 | -0.027 | t | 9586 | DPAFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.021 | t | 53010 | QYNLTFSD RQSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.007 | -0.007 | 0 | t | 128038 | KSPKKAKA AKPKKAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.002 | 0 | t | 135929 | GDKEIGNII SDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.006 | 0.001 | t | 106057 | REFSPRGQ HGRRERA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 142201 | KGLRRDLD ASREAKKQ VEKA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.021 | -0.02 | -0.02 | t | 94743 | YGTDEWE QWW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.013 | t | 50609 | QEGVQQE GA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.05 | 0.058 | t | 108612 | RNDLITFLE QETK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.033 | 0.029 | 0.03 | t | 62289 | SVPSSSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.03 | 0.019 | 0.021 | t | 17564 | FRASTDYP VFGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79642 | SGTSHIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.012 | -0.02 | -0.017 | t | 62147 | SVGPPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.011 | -0.01 | t | 72552 | WHRTPSTL WGVl | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 128225 | AGAAKRK ASGPPVSE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0.001 | t | 135843 | QELVDCAS QHGCH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0.001 | t | 135843 | QELVDCAS QHGCH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.029 | 0.03 | t | 149441 | QQQQQQ QPLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.009 | -0.009 | -0.01 | t | 72562 | WHWTWL SEYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 50900 | QGLPQEV LNE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 10340 | DTGCAIDI TRKEMRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.004 | -0.01 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.011 | t | 131579 | PDIITGFSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111733 | RKATPTTS STSTAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.068 | t | 129293 | LPPARGTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.023 | 0.02 | 0.021 | t | 7187 | CTNGLTAL FTPGAKQ N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.003 | 0.01 | t | 128110 | SLLTEVETP IRNEWGC R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.019 | -0.018 | t | 29566 | IYDKKISVL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.04 | -0.05 | -0.051 | -0.049 | t | 66121 | TRVPRR | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.017 | 0.007 | -0.001 | t | 117448 | CTLAEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.018 | -0.02 | -0.018 | t | 20564 | GKFPTLDH | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.017 | 0.019 | t | 159043 | NTFVVDG PETKECPT Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.004 | 0.008 | t | 68300 | VENGNAT PQLTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.022 | t | 106343 | DIVMTQSP LSLPVTPG EPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111685 | QPIENYKL MPST | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.002 | 0 | t | 25766 | IEEADKKTITSAVEEAL EWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.019 | t | 125004 | DAPDTDWCDSIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.03 | t | 77965 | NTGSIINNYMQQYQNSMDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.03 | t | 77965 | NTGSIINNYMQQYQNSMDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 52086 | QQPFPQQPQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 52086 | QQPFPQQPQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 103680 | TWQTKSGGTRTGNVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 137207 | ISFGKSSQCREA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 158600 | MFNWHPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 131818 | AKEERRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.017 | 0.02 | t | 32723 | KPGKKTTKPTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.025 | -0.02 | -0.02 | t | 61720 | STLGNDSLRTYNDKDL L | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.02 | -0.031 | -0.032 | t | 35126 | LDDPVFGFARRVPVV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.003 | 0 | t | 156965 | SVQERYYAFWST | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.003 | 0 | t | 156911 | LGMSTNPGPRIL | Gallus gallus |

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|---|------|---|---|---|--------|---|--------|---|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.003 | 0 | t | 140868 | HLINTNGS WHINSTA | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.003 | 0 | t | 156850 | APHNKWP HLNPP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.003 | 0 | t | 156872 | FSKSSSWE SWLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.003 | 0 | t | 156843 | AHSEMG T RATMT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.003 | 0 | t | 156918 | MAITDHP GSAMV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.003 | 0 | t | 156871 | FQNIASM PHLYV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.003 | 0 | t | 156981 | YTSLPAPM QRLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119301 | PEVVVLGS QEGAMHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 118490 | LKDKYKNI GAKLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 118275 | ATVLARSI AKEGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119367 | TQLATLRK LCIEGKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 119255 | LLTMKNK AWMVHR QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 118451 | KGIIDPTKV VRTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110841 | EVTPAIKSE VSL | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110839 | ETTSQMIV KDIK | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 111036 | TESTFTGE AYSV | Macaca |

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|---|------|---|---|---|--------|---|--------|---|---|--------|---------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110964 | PNLKLNN GTDYK | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110971 | PVSDLNLKI DGL | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110949 | NAEKVLEK LGYA | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110913 | KDIKANPE NYFT | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110766 | AIKSEVSLT GAL | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110769 | ANPENYFT NGEA | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110795 | CDLIPNLKL NNG | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110932 | LNLKIDGL KISV | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 111043 | TLAEADRT NAEK | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 110922 | KQMDIKSI NDLQ | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 69303 | VKQSRGE A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 75539 | YQQQGRL | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 62348 | SVTEEIAEE DKSVIEEA V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 97777 | YKNMILGT SVNIYEYIG KLQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | -0.003 | 0 | t | 70261 | VPCSTCEG NLACLSLC Q | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 65521 | TPCSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 76368 | YVNTNMG LKIRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.003 | 0 | t | 66101 | TRSQSGLT FA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 69359 | VLAETIYE GLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 97605 | RIVRGPAN LRNLKEFK E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 94481 | CSNNPTC WAICK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 94613 | NNPTCWA ICKRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 94695 | SNNPTCW AICKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.003 | 0 | t | 62820 | TADSELRR WVKY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 94651 | PTCWAICK RIPN | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.003 | 0 | t | 76165 | YTQQRVIGEFR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 54214 | RIPNKKPGKKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 56918 | SANNDAEIGNLI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 52749 | QVMSRSA NEGVD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 60396 | SQCKLGSDLN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 55732 | RRRTSPRRRRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 48681 | PNNDFHEVFNF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 47045 | PCSICSNN PTCWAICK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 55726 | RRRSQSPRRRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 49650 | PTHYISSRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 58077 | SGHRMA WDMMNW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 47336 | PEKTPLPV SATAMAP SVDPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 47045 | PCSICSNN PTCWAICK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 56152 | RTPPGYRPNAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 40578 | LVSFGVWIRTPPAYRP | Oryctolagus cuniculus |

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|---|------|---|---|---|--------|---|--------|---|---|-------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 40578 | LVSFGVWI RTPPAYRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 48627 | PNEPDDAL AMRIIRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 44606 | NKTKQNP NL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 49998 | PVVEVNG VTIQVGSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.003 | 0 | t | 53859 | RGETPGQL LPEIMQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 37335 | LLGILES RG IKARIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 41870 | MKNYLSF GMFALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 53195 | RARGRGR GRGEKRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 43435 | NDFHFEVF NFVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 39146 | LRNCEQDF FTLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 55641 | RRLGRQTY DNES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 52403 | QSPRRRRS QSRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 40619 | LVTVNP FV SVATANS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 49137 | PQTTKPKE VPTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 52420 | QSRGEAR | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 40076 | LTPCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 44569 | NKPNNDF HFEVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 44571 | NKPPNKP NNDFH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 49248 | PRRRRSQS PRRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 45160 | NNLEDPAS RDLVVNYV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.003 | 0 | t | 53814 | RGADCNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 55588 | RRGRSPRR RTPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 40077 | LTPCDN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 43153 | NAGKEGAI IFQQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 48839 | PPNKPNN DFHFE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 19211 | GEASGLCC RWSSLKG C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 23616 | HDEGRQII QFEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 14580 | ETTVVRRR GRSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 20563 | GKFPGSKP S | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 18621 | GAIIFQQV MSRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 19108 | GDRRKAM FEDIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 10768 | DVVDGM NFNRGY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 36278 | LGQGSFRP SQQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 19737 | GGGAGAG GAGAGGG GR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 32809 | KPNNDFH FEVFN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 27244 | ILPGGGTA LIRC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 35252 | LDPHAFHL LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 32145 | KLRRSTN WG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 18911 | GCSGKLIC T | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 20064 | GGVATY | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 29965 | KATYEAAV AANNAKN AALT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 16103 | FHFEVFNF VPCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 23770 | HFEVFNFV PCSI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.026 | 0 | -0.003 | 0 | t | 20224 | GIDKKKKK KNI | Saimiri |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 21571 | GPARRGA PY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 32827 | KPPNKPN NDFHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 3693 | APPPPEHR GGPEEFEG AGDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 9586 | DPAFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 8379 | DGEPPED DDSATGLA FRTPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.003 | 0 | t | 7996 | DEGESPTP AT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 9924 | DQVHFQP LPPAVVKL SDALI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 4024 | AQPGYPW PLYGNEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 1254 | AFAQAPT HQLSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0 | t | 7214 | CTTAVPW N | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | -0.003 | 0 | t | 6696 | CNICEGDS ACLSLCQD R | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.01 | t | 47027 | PCKPLLRE EVSEFRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 118449 | KFGADAR ALMLQG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.013 | -0.012 | t | 106453 | GHWRGA NATS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 142423 | GAKKAAG EAKKASI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.015 | 0.018 | 0.012 | t | 144355 | IICKESISVS SEQLAQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.018 | 0.012 | t | 144355 | IICKESISVS SEQLAQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.013 | 0.013 | t | 137394 | EDHRQVV E | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.021 | 0.02 | t | 50300 | QALDAH YDSVLKDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 21407 | GNDYEDR YYREN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.001 | t | 71284 | VTEEI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.02 | t | 49516 | PSSRRYPF V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.017 | -0.019 | t | 103834 | CPRDLNGK SGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | 0.001 | 0 | t | 54232 | RIRADFNA SMDLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.014 | 0.01 | t | 131543 | LLTSMYVK EFLISSSQD GHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.011 | -0.009 | t | 8859 | DKENALSL LDKIYT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156918 | MAITDHP GSAMV | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.013 | 0.013 | t | 61686 | STKAAKPP EAKREAI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112673 | TGGQKGR GSRGQHQ AHSLER | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103386 | LSEGDMA AHKGLMN I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.011 | 0.011 | t | 42859 | MTQKAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 133957 | WIRANF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.037 | -0.031 | t | 23176 | GVTRPSAP PLPHVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.021 | t | 134829 | YSHVHALS TYAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 141719 | NTEEYIDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.01 | 0.01 | 0.01 | t | 19481 | GEYGEVTV DCEPRSGI DTNA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.013 | 0.01 | t | 72540 | WHINSTAL NCNESL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.013 | 0.01 | t | 72540 | WHINSTAL NCNESL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.031 | -0.037 | -0.04 | t | 809 | AEAAGRRL AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.028 | t | 102860 | TPYTSLYT W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.026 | 0.027 | 0.031 | t | 64582 | TKIAIVVSG EGCVEI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.03 | t | 136542 | PDGSESPT DQET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.03 | t | 136542 | PDGSESPT DQET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 42684 | MSTNPKP QKKNKRN TNRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.006 | -0.008 | t | 71346 | VTGSVVCT TAAGNVNI AIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 119806 | DPKAPQW PPY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.021 | 0.017 | 0.021 | t | 99379 | KGTGNLEL VAVRKEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.017 | 0.029 | 0.032 | t | 78945 | DAPNGTP NPNPNPN PNPNPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.01 | 0.014 | t | 52789 | QVSFTPDI EGYAELA WGIAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.021 | -0.02 | t | 36815 | LKCSVKSE IDKGIYQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 57541 | SELSQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.02 | t | 59984 | SPAPSRPF SVLRANDV LWLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.017 | -0.021 | t | 9652 | DPILRSLAY SNANKEC QKLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.01 | 0.012 | t | 60592 | SQWGWGC GSTDEYCS PDHNCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.075 | -0.07 | -0.07 | t | 117173 | TYFSKNYQ DYEY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.003 | 0.001 | t | 42306 | MPNYDRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 156906 | KPGDPRS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156906 | KPGDPRS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135703 | KNGRCEQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 104331 | VHPPRLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.022 | -0.02 | t | 70671 | VQWMNRLIAFASRGNHVSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 108134 | SLCINLRAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.043 | -0.038 | t | 75409 | YPSGAWYVYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.009 | t | 47026 | PCKPLLRDITFMV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 144979 | VQGSGAFGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 68401 | VEVPGSQHIDSQKKA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 23876 | HFVQQTPKSQPTLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.009 | -0.011 | -0.008 | t | 53634 | RESQAYYQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.02 | t | 106946 | VATALNPDPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.017 | t | 69175 | VKAETRLN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.027 | -0.018 | t | 129244 | LINRAKAVK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 91742 | NCIEYGK QNPDSKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.045 | 0.029 | 0.028 | t | 9520 | DNNQTSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.011 | t | 32890 | KPTDGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.008 | 0 | -0.002 | t | 100223 | KPGVSDD QLTGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.008 | 0 | -0.002 | t | 100223 | KPGVSDD QLTGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.018 | t | 144793 | SYGGRKGT HPGLEMP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 74035 | YGLFHKEK MIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.01 | 0.008 | t | 70656 | VQTRHVV QHRSRSES SIESF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | 0 | 0 | t | 38505 | LPGKCGV NVPYKIST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | 0 | 0 | t | 38505 | LPGKCGV NVPYKIST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.041 | 0.03 | 0.028 | t | 111776 | SGVVVQD GRFSYQNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.005 | -0.013 | -0.012 | t | 75482 | YQEPVLGP VRGPFPP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.024 | 0.03 | 0.032 | t | 69178 | VKAETRLN PDLQPTE | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.016 | -0.012 | t | 156664 | GGTHSQW NKPSKPKT NM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 125004 | DAPDTDW CDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.017 | -0.02 | -0.02 | t | 72183 | VYVIGFTLP IILKA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 123130 | EHLYGRDD R | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 137735 | DTALTREA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123146 | ERARISMI E | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 102712 | PDNPNNN YIKPTKVN KNENG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 106775 | RHAKAHIL RW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79538 | EHQLNRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 49297 | PSAPPLPH VVDLPQLG PRR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.05 | 0.051 | t | 117598 | PEPAKSAP APKKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.017 | 0.018 | t | 98803 | GLDIQKVA GT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 135487 | PGGWNTG G | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 134929 | ERVGETPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.054 | -0.058 | -0.06 | t | 10080 | DSAVAEFF QSFPSGEP SNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.001 | -0.019 | -0.021 | t | 57723 | SFAIKWEY VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.011 | t | 122452 | KTTKQSF LSVKAQYK KNKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.012 | 0.003 | 0 | t | 140868 | HLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.06 | -0.061 | -0.059 | t | 130729 | APHKHKAS LSIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.027 | 0.03 | t | 118450 | KGDKAQIE KRIQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.049 | 0.04 | 0.04 | t | 37713 | LLQRATQ QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.011 | t | 6517 | CKRGPDS GFFSRLN WLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 78511 | SCDESRRR QGRCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.006 | -0.01 | -0.01 | t | 137937 | NKIFADDI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 137446 | SHDWRLM LSHLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 13572 | ENPVVHFF KNIVTPR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.008 | -0.01 | -0.01 | t | 126844 | PRIGVAIG DQILDLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | 0 | t | 97456 | LKRTDLNIL ERFNYEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.048 | -0.06 | -0.063 | t | 137941 | PFRSYTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 129628 | PPGRGTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110617 | GPTGARG PEGAQGS R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.011 | -0.009 | t | 24970 | HTRVTGG VQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.012 | t | 125051 | FQSKANCL NT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 115606 | GEGKVTLR IRNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.01 | -0.011 | t | 99919 | CVYDPRG HTGTTNQ RSPPGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.047 | 0.041 | 0.04 | t | 141734 | RADESKTD PQTEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.028 | t | 34124 | KVLVLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.024 | t | 14409 | ETHVTGGS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.024 | t | 14409 | ETHVTGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.019 | -0.021 | t | 18671 | GALNTPKD HIGTRNPN NNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.007 | 0.01 | t | 130571 | NTTDMMI FDLIHNYN R | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.026 | -0.037 | -0.042 | t | 52403 | QSPRRRRS QSRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.061 | -0.06 | t | 82048 | FGKLRVGR LNSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.001 | 0 | 0 | t | 61779 | STNDNIKD LLDWYSSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.001 | 0 | 0 | t | 61779 | STNDNIKD LLDWYSSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | -0.008 | t | 107008 | YEFRHSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.017 | 0.01 | t | 23722 | HEPQISPG GLEPPSEK HFRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.054 | 0.05 | 0.052 | t | 70952 | VSGGSWV DIVLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.019 | -0.02 | -0.018 | t | 67042 | TVKENKGT RIRFKD | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.025 | -0.033 | -0.03 | t | 42957 | MVKSHIGS WILVLFVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 127700 | IPSHAFSNL PNISRIYVS IA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.001 | 0.001 | t | 73554 | YDKPYMYL NLYDPNKY VDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.007 | -0.007 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.023 | -0.03 | -0.031 | t | 76167 | YTRMMIG RFAQMH S | Bos taurus |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.017 | 0.02 | t | 106512 | HILRWGN ESE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0.002 | t | 65026 | TLQNQGA W | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.031 | -0.029 | t | 66976 | TVDNPAST TNKDKLFA VWK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | 0.003 | t | 66766 | TTPGPWF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 119579 | FKDYSSVV RPVEDHR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 106322 | DAEFRHDS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114558 | QVVRPERS RQEWERQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 103264 | HWLRPITP TFRPSWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 108286 | ASKAKARP V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 100575 | TSKVRIYM KPKHVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 51939 | QPQQTFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 55306 | RPQQPFP QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.03 | t | 135999 | SQIATIEQT APS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.008 | t | 58409 | SHSAFNM FDFGVGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.041 | 0.041 | 0.041 | t | 58293 | SGVLTTC GNTLTC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 107324 | DTLKAGLI R | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 107324 | DTLKAGLI R | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 49534 | PSTPGERV RH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.001 | 0.01 | t | 107745 | ARGAQGP PGATGFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.012 | 0.01 | t | 70950 | VSGGLCST RLHRHALL ATCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.001 | -0.003 | 0.001 | t | 99762 | VLASVSAT HAKSSPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | -0.001 | t | 153287 | RQSGRQP TPLSPPLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 135725 | NITQSTQS FN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 130544 | LNSSSMPL GMESKAIS AAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 7064 | CSQNPLAE LKCSVKSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.011 | -0.01 | t | 125022 | EAERAGR GTG | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 159077 | RSKHNRRE GYKTQNG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 108666 | TRCAQCH TLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 7171 | CTKPTDGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.021 | t | 65996 | TRAPRREE LEWDDH | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156945 | QLHTSI | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 137741 | DTPLTHAA LTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 49106 | PQQQFPQ PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 102726 | PSSTCIDG KWNPVLP ICVRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.012 | t | 54859 | RMAWDM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.011 | t | 62349 | SVTEEIAEE DKSVTEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.012 | t | 117735 | AEGLMVT GGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.017 | -0.012 | t | 117735 | AEGLMVT GGR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 1406 | AFTPDWM MEVAIDN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.035 | 0.039 | 0.04 | t | 36343 | LGVLEDNK GVVRGDY TAC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 135837 | DMYGD IRLTGLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.003 | -0.008 | t | 147139 | MSGRGKQ GGKARAK AKTRSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 110974 | QDIVLHLE PQNEIPVD LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | 0.003 | t | 42487 | MRNVPEK QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | 0.003 | t | 42487 | MRNVPEK QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.009 | -0.01 | t | 70816 | VRRRGDS RGSLLSP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.019 | t | 6834 | CPRSPRYT LD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.036 | 0.033 | 0.04 | t | 144699 | KASITEIKA DKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 81394 | EASGPTHS KEIPALT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 19617 | GFSGNMV ETEDTKEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.009 | 0.01 | t | 72630 | WIKKPNR QGLG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.03 | t | 7210 | CTSSLTSIF TQGAQKN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115869 | NKKIEKFQ SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 77908 | HSWDKNS SIWWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.012 | -0.01 | t | 142167 | GLRRDLDA SREAKKQV EKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 49099 | PQQPQQS FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0.002 | t | 156350 | KSLTALTN KITAWK | Platyrrhi ni |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156911 | LGMSTNP GPRIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156933 | PLEKSHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 136647 | SNNADYK QSLLL | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 136635 | SIPTYTPDK VTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140842 | EGNTDER GTPEYNIA LGQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156871 | FQNIASM PHLYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0.002 | t | 156417 | QILGEKSLT ALTN | Platyrrhi ni |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140839 | DERGTPEY NIALGQRR ADAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156850 | APHNKWP HLNPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140906 | TPEYNIAL GQRRADA VKGYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156865 | EQATCDH TNEWCAK MM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 136364 | IDPLMFKY WYNM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 136685 | TLFTPDKS PAKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 136162 | DAWKMRL SQMYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156938 | PPEKIHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 136631 | SHDGASSK IRPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140835 | DAVKGYLA GKGVDAG KLGTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156843 | AHSEMGT RATMT | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140938 | YLNATPAA KVLVEGNT DERG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140854 | GFDKYDIT GEYVQILD AHAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156851 | AQMIIRLS SPGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156942 | PWSKMHI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140905 | TPAAKVLV EGNTDER GTPEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140825 | AGKLGTVS YGEEKPAV LGHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 136728 | VNYNGKE HLLIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156840 | AAPKMCS TWCQMW Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 136727 | VNWNSW HKTNLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156947 | QTKSECTE VCKNLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140895 | QRRADAV KGYLAGKG VDAGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 145655 | YQYIYNLT CEL | Sus crofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 140935 | YGEEKPAV LGHDEAAY SKNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 127944 | DLVNCNL NTNCVAV AFSLPD | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 123439 | LLARDAPD TDWCDSIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 128084 | QKNACSF DLCNSYDV L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 127986 | FVGVGAD YRHASCP IDYIIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 121064 | WKHWVY YTCCPDTP YLDITY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0.002 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 134006 | ALRMEVL GCEAQDLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 127980 | FPVIPGINI EQKNACS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0 | 0 | 0.002 | t | 125605 | YKEKSKFQ DTHNNAH YYVFF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 117509 | GQIPPGAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0 | 0 | 0.002 | t | 125605 | YKEKSKFQ DTHNNAH YYVFF | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 127984 | FTNLKFKV RKITSSHR GN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.002 | t | 118060 | PPPGMRP P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 122083 | DPNIKLV DDCWATS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 127919 | AFSLPDRS LSAIPFDV SFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 104327 | VEQHNPIN AGTELSAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 106374 | EDHAGTY GLGDRK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 110855 | FNRA GTV GENVPDD LYIKGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 67187 | TVTTTTKG ENFTETDI KI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | 0 | 0.002 | t | 60663 | SRGAPGG GFVPSLQG VP | Marmot a monax |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 75372 | YPNQVYYR PVDRYSN QNNFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 64985 | TLNPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | 0 | 0.002 | t | 67615 | VAGRKKLE ELERDLRK TK | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 63022 | TATRLLSST NSRLC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 65000 | TLPERVRP PDDWAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 95058 | AGLQND | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | 0 | 0.002 | t | 63217 | TDQMEVD SGPRKRPL RGG | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 63037 | TAVSPTTL R | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 75372 | YPNQVYYR PVDRYSN QNNFV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 67187 | TVTTTTKG ENFTETDI KI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 75791 | YSLFQKEK MVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 75791 | YSLFQKEK MVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.03 | 0 | 0 | 0.002 | t | 61827 | STPPLPWP WSPAAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 64985 | TLNPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 88388 | SAWNSDS EKPFDDHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 75441 | YPYDVPDY A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 75441 | YPYDVPDY A | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 66841 | TTTCFRDT DTGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 49928 | PVPAPRRK VGSDCGS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 51958 | QPRKTKPV KSLPERK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 48006 | PIVNKQSC SISNIETV | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 39092 | LRGDLQVL AQKVARTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 58404 | SHRLHNT MPSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 57306 | SDVEGLQ NDP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 56610 | RYPGQGS PGGNRYP PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0.002 | t | 55106 | RPADKTRH KFPTNINK Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 38313 | LNPTIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 59229 | SLKMADP NRFRGKDL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 43233 | NANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 55106 | RPADKTRH KFPTNINK Q | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 43246 | NANPNAN PNANPNA NP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 56610 | RYPGQGS PGGNRYP PQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 52085 | QQPFPQP QQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 58582 | SIKEDVQF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 53839 | RGDLQVL AQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0.002 | t | 54058 | RHKQKIVA PVKQTL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 46899 | PAPRRKFQ QVKRL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 52304 | QSCSISNIE TVIEFQQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 41126 | MASLIYRQ LL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 37657 | LLPHSNLD HI | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 59922 | SNTFINNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 32844 | KPQEEKEK ITKEILNGK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 21928 | GQPAVRN ERATGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0.002 | t | 32480 | KNESKYSN TFINNAYN MSIR | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 19868 | GGGWGQ PHGGGW GQPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 11815 | EENVEENV EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | 0 | 0.002 | t | 15911 | FFTEEFKRK NKGKNLAS SHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 32783 | KPLDKFGN IYDYHYEH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | 0 | 0.002 | t | 19269 | GEGAPPA KRARTDQ ME | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | 0 | 0.002 | t | 29852 | KALENKKK QLSAGGK NLS | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 16101 | FHENWPS | Rattus norvegic us |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 32571 | KNNNSTN SGI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 35329 | LDVTTLNP TI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 19833 | GGGGWG QGGSHSQ WNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.002 | t | 28085 | IPTGGIQR GGRGPCQ RQQRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 24842 | HSQWNKP SKPKTNM K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 19868 | GGGWGQ PHGGGW GQPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 10868 | DYEDRYR E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 32716 | KPGGGW NTGGSRYP GQGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 10801 | DWEDRYR RE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 19833 | GGGGWG QGGSHSQ WNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 21408 | GNDYEDR YYRENMY RYPNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 21408 | GNDYEDR YYRENMY RYPNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 32716 | KPGGGW NTGGSRYP GQGS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 10801 | DWEDRY RE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 5609 | AVVYNNE GTNVELG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 10227 | DSSAHGTP STPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 9516 | DNNLVSG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 7851 | DDPPATVY RYDSRPPE DV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 8076 | DEKDDQM EED | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 8119 | DEPAGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 952 | AEGQLG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 115287 | IAKYIPIQY VLSRPSY GLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.018 | t | 17640 | FRRLGAAL LQ | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.027 | -0.03 | t | 63991 | TGVMTTR CPCGANI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.05 | 0.05 | 0.051 | t | 107149 | GIAGFKGE QGPKGET | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.029 | 0.03 | t | 149428 | QLQLQNP SQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.022 | t | 110303 | KHRRLLSD QDQSQTP ETPAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 123206 | GAAVDLR QG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 142166 | GLRRDLDA SREAKKQL EAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.021 | 0.01 | 0.01 | t | 95136 | QPVGREKF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 56329 | RVKMEKLK LKGTTYG MC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.021 | t | 108213 | WQQGNV F | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.043 | -0.043 | -0.041 | t | 106715 | PSKECCSG TKKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 122468 | LLDRKSGK QYSIEAAL RCRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 110593 | GFPGPRG PPGPQGA T | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.018 | 0.01 | 0.011 | t | 60013 | SPDDPAFR FAPYFTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.004 | -0.01 | -0.01 | -0.008 | t | 134197 | PVFPTAEQ FRRM | Rattus rattus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.036 | -0.043 | -0.049 | t | 132890 | QSPWQT WFTRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 142200 | KGLRRDLD ASREAKKQ LEAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.033 | -0.028 | t | 107891 | HRLAFGQY T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.025 | 0.019 | 0.02 | t | 6367 | CGYGGPA NKKNAGC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.029 | -0.028 | t | 111549 | MKIPNNKL FLPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141643 | FHTLDNNI RNVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 117114 | WTRDNST RPIVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.034 | -0.041 | -0.039 | t | 60671 | SRGKGPG KKNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.034 | -0.041 | -0.039 | t | 60671 | SRGKGPG KKNK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 52084 | QQPFPQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 120066 | LKQQWVD YNLKWNP DD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | 0.001 | 0 | t | 39950 | LTIDGGIFE VKATNGD THLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.026 | 0.03 | 0.031 | t | 122090 | ESPQEISK HQALG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.009 | -0.011 | -0.01 | t | 54912 | RMKSSR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0.003 | 0 | t | 79665 | VEGLAPG GGNCHLT VNGEDV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0 | t | 72229 | WAGWLLS PRG | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.028 | t | 58371 | SHITSYPAY FW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.003 | -0.007 | -0.013 | t | 33531 | KSTQRSTR RNLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.017 | 0.02 | t | 96874 | SIAPDLSLD FEKLVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.017 | -0.019 | t | 144382 | KIQTSFHC CGVKGPD DYKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.01 | t | 42592 | MSLLDGR GPVRFVLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.021 | 0.01 | 0.008 | t | 111229 | EAYIFEMF NENQKAG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.058 | 0.053 | 0.06 | t | 118338 | ESEESDDD MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.001 | 0 | t | 65044 | TLRKYC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 116085 | EPANPSEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135752 | RTTEFWK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 149085 | NPTQIRR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 90675 | YANVPWL SRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.01 | 0 | 0.002 | t | 38617 | LPPIQNTR NVVP | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.017 | 0.027 | 0.03 | t | 105814 | GELPNIEA DVNTFVAS HKPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.008 | t | 140935 | YGEEKPAV LGHDEAAY SKNR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.063 | -0.05 | -0.048 | t | 12944 | ELAKLRAG KASDSQTP DT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.063 | -0.05 | -0.048 | t | 12944 | ELAKLRAG KASDSQTP DT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.047 | 0.047 | 0.051 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 49272 | PRVRGLYL PAGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 95829 | SGASAQS GTSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 141620 | DNPRPND KTGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 79167 | CESLKGST GKLAVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 79303 | LVAAGVD YEDERISF QDWPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 19637 | GFTTNEPR YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.001 | t | 19637 | GFTTNEPR YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 132111 | VIDLWDL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.022 | t | 120677 | KHPEVKSA IEGIKYI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0 | t | 23390 | GYKVLVLN PSVAAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 9895 | DQRPYCW HYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 141977 | PKDSQHG REYQEFSA NRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.01 | t | 42684 | MSTNPKP QKKNKRN TNRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 114192 | AEYWNSQ PEILERTRA E | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.005 | -0.009 | -0.01 | t | 25200 | HYTNESKF KFILE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.007 | -0.002 | t | 117745 | ALLRNLGK MTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.017 | 0.01 | 0.01 | t | 50216 | QAAPYIEQ AQVIAHQF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 51933 | QPQQSFP QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 51933 | QPQQSFP QQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 119754 | AQRLMRY WAN | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.009 | -0.008 | t | 156370 | LRGMAKD GKFAVKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.054 | -0.06 | -0.062 | t | 92303 | AKRFKINAI | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.051 | 0.037 | 0.038 | t | 30057 | KCGVNV YKISTSTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.021 | 0.022 | t | 150979 | EKRIENLN KKVDDGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 52351 | QSKGKDIS NGYGASY GDQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.059 | -0.051 | -0.05 | t | 55969 | RSSSSHHR SPSPRK | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.011 | t | 108213 | WQQGNV F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.003 | 0.003 | 0.011 | t | 108213 | WQQGNV F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 115072 | KQMEAESI SSSEIIVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.013 | -0.02 | t | 131020 | QLSPESDY DDHGMRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.004 | -0.013 | -0.012 | t | 1656 | AGQRMPR ARYGLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.013 | -0.019 | t | 118736 | AFQQGKIP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 110869 | GQAEPDR AHYIVTF CCKCD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 111111 | ANQSLPD RLYKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.058 | -0.071 | -0.07 | t | 10090 | DSDFPQ NLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.007 | -0.01 | t | 50934 | QGPHVISR IYQTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 46488 | NVSVSPS STPLLY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.032 | t | 8593 | DIAYNLM NPFLGKLF NDYNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.024 | 0.019 | 0.02 | t | 67269 | TWKIEKAS F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 80615 | CASPYEGR YRDMYDA LR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.021 | 0.027 | 0.032 | t | 28375 | IRQLESIVD KLNRSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.038 | -0.03 | -0.03 | t | 46681 | NYNYKYRY LRHGKLRP F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.017 | -0.02 | t | 64601 | TKKPGGP GKNRAIN M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.01 | t | 7201 | CTQSLAGL FRPGASQ N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79935 | MQQRPLR MFLGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 49068 | PQPQQPF CQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 96714 | NVPKINPK KD | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 115207 | DISLLDAQ SAPLRVYV EELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 142411 | EAQKACEK AKKAHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 79410 | TCKELQW LPRLRCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.02 | t | 135939 | IPVLDENG LFAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 108210 | WFTSWER DWW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.001 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.001 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.001 | t | 105497 | RHDSGYE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.001 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.001 | t | 105164 | EFRHDSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.029 | -0.03 | t | 1448 | AGAPDRA RGQYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 141717 | NPDHPIVE TL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 133494 | ADNPIKW DRART | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | -0.002 | t | 121064 | WKHWVY YTCCPDTP YLDITY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.024 | -0.019 | -0.015 | t | 30294 | KEAIVTK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 3236 | ANCASILC KCYTTGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 3236 | ANCASILC KCYTTGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.01 | t | 47689 | PGKKT PTTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21804 | GPSYGFQY SPGQRVEF LVNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.02 | t | 153364 | CDLEDRDR SELS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | -0.001 | 0 | t | 142449 | NNQNLSV VQALL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.013 | 0.013 | 0.021 | t | 133862 | KLKKIDDL DAKEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.016 | 0.018 | t | 96240 | EKQMKDK QDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.02 | 0.022 | t | 122200 | TQQNAAL NRDLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.037 | -0.039 | t | 134132 | LFKPPKYH PDVPYVKR VKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.011 | -0.01 | t | 47721 | PGPGEVW V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140556 | DWRHFM ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140556 | DWRHFM ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.007 | t | 40453 | LVLNRLKV GLQVVAV KAPGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123776 | TKKAVQG G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78402 | GLPNDWS GRQASGT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 107580 | QNWLDGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 105802 | GAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.034 | -0.041 | -0.038 | t | 141539 | FSPAYLRD AALK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.039 | t | 62932 | TANGFYRL PSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.015 | 0.013 | 0.013 | t | 141750 | SNLDHILE PSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.024 | 0.03 | t | 49022 | PQLEIVPN SA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.02 | t | 10778 | DVVNQNA QALNTLVK QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 122202 | TSPPLLWD SVHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.052 | t | 104850 | KEGILQYC QEVYPELQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.028 | 0.021 | 0.02 | t | 87157 | NWVDAEG KTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.011 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.019 | t | 53004 | QYLYGVGS SIASWAIK WEYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.001 | 0.004 | t | 138238 | SMLDTPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.019 | 0.011 | 0.008 | t | 64547 | TKEGDSSN TGAGKALT GLST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 135559 | GSDPQHY EG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 137942 | PGSEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 129296 | LPYGDSM DRIEKDRL Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.01 | -0.01 | t | 139766 | GSPSATPP AADC GPA SPT | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.027 | -0.03 | -0.029 | t | 55383 | RPYCWHY PPQQCGIV PASQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.009 | t | 141691 | KQVQRYR ARLSPGDV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.01 | t | 78702 | KKKEEGED DTARQEIR KAW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 120790 | LVPEHADA FK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 116008 | TTMARHP HPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 49961 | PVSGPFGP LPSLAFSA VPAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 77784 | HLGLRRG MFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 99759 | VKDGYIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.017 | -0.011 | -0.008 | t | 46559 | NWRKGDP TLNA | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 60678 | SRGNHVS PRHYVPES EPAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.052 | 0.053 | 0.052 | t | 97025 | VDDALIDS TKIYSYFPS V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | -0.001 | 0 | t | 59483 | SLSTNLDV TNSIEHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.067 | 0.06 | 0.062 | t | 95369 | EVDDEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 30261 | KDTLRITYL T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.013 | 0.012 | t | 43160 | NAGVLTC LSKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.014 | -0.024 | t | 33915 | KTWGQY WQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.033 | -0.03 | t | 78871 | VDVDPNK GKWKEHI KEVTE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.032 | -0.033 | -0.03 | t | 78871 | VDVDPNK GKWKEHI KEVTE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 4296 | ASAACR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.042 | -0.039 | -0.038 | t | 55930 | RSQPRGR RQPIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 56610 | RYPGQGS PGGNRYP PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.002 | t | 56610 | RYPGQGS PGGNRYP PQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 19868 | GGGWGQ PHGGGW GQPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.002 | t | 19868 | GGGWGQ PHGGGW GQPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.006 | -0.001 | -0.001 | t | 11821 | EENVEHD AEENVEH DA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.021 | 0.02 | t | 149333 | HHQEQQ QLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.035 | 0.03 | 0.03 | t | 38203 | LNEKEIKDL YDNQSNS GIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.003 | 0.002 | t | 125118 | KVAAEQSL ITVEGDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 2583 | ALGLTSLFS PGPIQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.012 | t | 10016 | DRLSSANL YINGVLM GSAEI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0 | t | 71982 | VYAYDVTI PGEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 145810 | GTGGRTG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | -0.003 | 0 | t | 106345 | DKANVLFR CD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.062 | 0.05 | 0.051 | t | 873 | AEEDKSVT EEIAEEDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.062 | 0.05 | 0.051 | t | 873 | AEEDKSVT EEIAEEDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.001 | -0.002 | t | 12111 | EFYEKVTG TDLELIQIL KDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.012 | t | 103996 | ITMWDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.051 | 0.041 | 0.039 | t | 655 | ADEEQQQ ALSSQMG F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156926 | NSRTWLT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 78715 | LATCPEHQ ITWDPIDG RVIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0.001 | 0 | t | 78715 | LATCPEHQ ITWDPIDG RVIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.003 | -0.01 | t | 66693 | TTLGMHC GSFGSAPS NG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 135546 | DWEYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 135546 | DWEYS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 102071 | SLQPDRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.021 | 0.027 | 0.033 | t | 156415 | QGRQQEQ EQERQQQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.006 | 0.003 | t | 115677 | AHRET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.012 | -0.02 | -0.022 | t | 21475 | GNMVETE DTKEPGVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.002 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.051 | t | 117520 | GSFSDADL AD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.021 | -0.03 | -0.03 | t | 66077 | TRPIQVAQ GGRKTT | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 58039 | SGFVAGK GFRLDGFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.031 | 0.031 | 0.032 | t | 49261 | PRTGLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.021 | -0.02 | t | 138840 | DREQAPN LVYM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.043 | 0.043 | 0.04 | t | 66740 | TTNQAIEA IRQAGQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 119636 | RMARMA RKAGNFYV PAEPK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 84229 | KEEGGKET KDADVDR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.041 | t | 115108 | SHGRTQD ENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.01 | 0.01 | t | 94468 | CNPAC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.01 | 0.01 | t | 94468 | CNPAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.021 | 0.01 | 0.01 | t | 94468 | CNPAC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.024 | 0.011 | 0.01 | t | 86712 | NFKQGQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 25806 | IEFQQKNN RLLEITRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0 | t | 10782 | DVVSTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | -0.003 | -0.001 | -0.002 | t | 40319 | LVEKPNLS SKRSELS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0 | -0.001 | t | 120697 | KLLLDYTG KIWNPAD YGGIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.043 | -0.04 | t | 66216 | TSGFTGLF SSGAKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 128630 | FIEVPWK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.047 | -0.047 | t | 130564 | NIPAFAAA YF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 36413 | LHQPPPQI FLKILPQSG PIG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.004 | -0.009 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.004 | -0.009 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.007 | -0.008 | t | 15519 | FEELCGELF RGTLQPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.014 | -0.01 | t | 39742 | LSVPDGFK VS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.024 | -0.028 | t | 103834 | CPRDLNGK SGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.013 | -0.012 | t | 42476 | MRLAENIP SRCNLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.003 | 0.003 | 0 | t | 111211 | DPVGPSD PSIVSLVEE TSF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.024 | -0.04 | -0.04 | t | 30337 | KEDYRY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.012 | t | 1367 | AFNQFGP NAGQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.013 | -0.027 | -0.022 | t | 136123 | AGLPNHN AMLLT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.028 | t | 132856 | LEDGRTLS DYNIQKES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.028 | 0.021 | 0.02 | t | 34754 | LAEQFKQK ALGLLQTS TKQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.043 | -0.05 | t | 135971 | PRPRDRSG LAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.028 | 0.02 | 0.02 | t | 106512 | HILRWGN ESE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.01 | 0.01 | 0.012 | t | 156843 | AHSEMGT RATMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.007 | -0.01 | t | 47957 | PIPTRFPPP PMPLQDS MAVG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.008 | 0.01 | t | 78934 | AVGQKVT LKWDAPN GTPNPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.049 | -0.051 | -0.049 | t | 11575 | EEEEEDG FMGFGMF D | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79566 | HGLHLPV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 38952 | LQPQQPFS QQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.019 | t | 144672 | GREGYPA DGGYCYG LPDS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.054 | -0.056 | -0.06 | -0.063 | t | 53466 | RECGIKKG SSGYCAW | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.008 | t | 118314 | ECISQVGK GGGSVCA V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 41140 | MASVEVE SAATALPK NETPE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 3400 | ANRAVKP TGSAAIL SMAGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.003 | 0 | t | 18648 | GAKSLEPC ACISSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | -0.003 | 0 | t | 64653 | TKQRQNK PPNKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 122129 | KTVTVKED QVMQQN PPKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 125538 | QQQPFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 115630 | NFDKLYIW G | Homo sapiens |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 115652 | SSRISYWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 51827 | QFPQPQ LPYPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 51826 | QFPQPQ LPYPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 99834 | QGQQGY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.032 | t | 134678 | GEWNLPD NCRGGVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 153357 | ACWYSTR DHCGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7516 | DAGEGGP RV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137413 | HAPRWH W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.022 | t | 140842 | EGNTDER GTPEYNIA LGQRR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 135982 | RDRSGLAP KRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.024 | 0.023 | 0.022 | t | 105497 | RHDSGYE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.037 | -0.04 | -0.04 | t | 21113 | GLRSEFPI WM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0 | 0.001 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.003 | 0 | 0.001 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 108105 | RRLPFGSSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 118762 | CYGSFAKP TN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.006 | 0 | -0.01 | -0.011 | t | 42791 | MTDVVFY RYSNNYEG QPHIS | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | -0.001 | t | 48646 | PNGTHSW EYWGAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.061 | 0.066 | 0.072 | t | 119173 | GDQHQVG NETQGVTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 138079 | VSDQAVSL GQNV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.025 | 0.009 | 0.007 | t | 68053 | VDRAFSFE GIYVYSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.008 | -0.011 | -0.01 | t | 52252 | QRRQHTD VSFIMDRF VK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.036 | -0.03 | -0.028 | t | 62264 | SVNPKMVR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.03 | -0.041 | -0.04 | t | 58039 | SGFVAGK GFRLDGFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.003 | -0.001 | t | 95093 | HQQGGW STLIEDNIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 115920 | QNQEQPI RCE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140587 | PWQRGLR DL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140587 | PWQRGLR DL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 79645 | SLGMHPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.007 | 0.01 | t | 67056 | TVKTPAVD AAGPVEV | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 137746 | DTPLTVQG LKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.008 | 0.02 | 0.014 | 0.02 | t | 109750 | QGPKGEP G | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.01 | 0.011 | t | 138029 | SASGSDVS LTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.029 | t | 151028 | LRGVAPLH LGKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.019 | -0.023 | -0.028 | t | 122105 | GRTSRTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.022 | t | 107487 | KKPTPSTL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | -0.001 | t | 106264 | ARDMWR AYSDMRE ANYI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.045 | -0.05 | -0.05 | t | 137132 | DINCFRPH GVSA | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 56150 | RTPPAYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.024 | -0.02 | t | 34833 | LAKLAGGVAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.038 | 0.029 | 0.032 | t | 149497 | TIFDETKSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.007 | 0.01 | t | 7268 | CVGSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.033 | 0.032 | t | 29855 | KALGLLQTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.019 | -0.014 | t | 20260 | GIFRAAVCTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 71730 | VVLAGAALGVATAAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.006 | -0.008 | t | 118581 | RDRDRDRRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.043 | -0.04 | t | 131610 | QRHLSSEPLSRKKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.023 | -0.02 | t | 142288 | SEASRKGLRRDLDAEREAKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | 0 | -0.01 | -0.01 | t | 13743 | EPRCPYVGADHFDCP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.033 | -0.04 | -0.04 | t | 960 | AEHARDHTLRFG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.04 | t | 960 | AEHARDHTLRFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0.003 | t | 71809 | VVRFDKLPFGGDSIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.021 | t | 46857 | PALSTGLI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 137412 | HAPRWHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 128147 | WTGSWD ASKPRASC WQPGTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.021 | t | 131639 | RYLMKIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.01 | 0.01 | t | 100437 | QPNNKRN QLWLRQLQ TAGN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.01 | 0.01 | t | 100437 | QPNNKRN QLWLRQLQ TAGN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.03 | t | 115653 | SSYAGQFR VIGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.007 | -0.009 | t | 50170 | PYSLNWP DE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0.006 | 0 | 0 | t | 32523 | KNITVTAS V | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.016 | -0.012 | t | 156664 | GGTHSQW NKPSKPKT NM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79227 | GCKLAMT TTTLACH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.018 | t | 120220 | SSQRGRSG SGNF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.018 | t | 120220 | SSQRGRSG SGNF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 125375 | DHTLFAAS HNHR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.031 | t | 76195 | YTTSTRGD LAHVTAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.031 | t | 76195 | YTTSTRGD LAHVTAT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.017 | -0.02 | -0.02 | t | 97479 | LTAWNPSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | -0.005 | -0.007 | 0 | t | 116169 | TPRTPPPS QGKG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.022 | 0.022 | t | 106247 | ALASQGQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.012 | t | 135466 | GSDYEDRY YRENMHR YPN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.004 | -0.001 | 0.001 | t | 50636 | QELDCWH YHQYCITS | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.015 | -0.021 | -0.02 | t | 17052 | FMLEWGK EMVDHFH | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.044 | -0.04 | -0.039 | t | 134334 | CRVNHVTL SQPKIVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.025 | 0.017 | 0.02 | t | 70422 | VPPNTKS MALSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0 | t | 63655 | TFGAASNK AFAEALST EPKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.014 | 0.017 | 0.02 | t | 7209 | CTSRFASLF NLGPQQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | 0.001 | -0.002 | t | 61560 | STDPAATD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135413 | AAAAKAA KYGAA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110592 | GERGAPG NRGFPGQ D | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78217 | NKNWWS | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 6737 | CNWTRGER | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 38950 | LQPQQPF PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115355 | LLFCMENS AEPEQSLA CQCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.021 | t | 140695 | KGRFTISR DNAKSTLY L | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.031 | -0.019 | -0.018 | t | 28205 | IQPVERVL QDAKMDK RSVHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.03 | t | 22490 | GSRSRRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.03 | t | 95031 | NAYANEE ATKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.016 | 0.003 | 0 | t | 1895 | AIERMKDT LR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.003 | 0.001 | t | 158728 | DVKKAFKV IDQDASG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.032 | t | 145371 | NALTESKY VKLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.007 | 0.008 | t | 36948 | LKLSAQYG SLRKNAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.001 | 0.002 | t | 5925 | AYSNCYPY DVPDYASL R | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.001 | 0.002 | t | 5925 | AYSNCYPY DVPDYASL R | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.02 | -0.02 | t | 67932 | VDEKNM | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.042 | 0.037 | 0.032 | t | 106628 | LSSREPQA R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.013 | 0.009 | 0.008 | t | 6229 | CFIRPSGYC GRECGI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.012 | t | 19256 | GEEYLILSA R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.007 | -0.01 | t | 52440 | QSTCLSHP LLCLSWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 107486 | KKPTPST | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0 | t | 98844 | KESHFVSA RP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.019 | 0.022 | t | 14247 | ESQRNGIA PQSDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.002 | 0 | 0 | t | 6883 | CQIYPPNA NKIREALA Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.028 | 0.029 | 0.032 | t | 65474 | TNVDQDL VGWPAPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.093 | -0.087 | -0.08 | t | 141646 | FSKWRKN HMRQKSN K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 54197 | RIMKVEFT QCSMNVV SKTLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.042 | 0.037 | 0.032 | t | 130868 | GQSYPPRP DTSLHVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135757 | SFNDFTRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123495 | MHHMPG QP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119622 | NVNHKPS N | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 97191 | AKPTGSAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 6255 | CFRHLDER | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 138545 | PRRKAGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 58251 | SGTEEILEK VSASQEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 58251 | SGTEEILEK VSASQEI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 58251 | SGTEEILEK VSASQEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 53758 | RFPRGQG VPINTNSG PDDQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.003 | 0 | t | 27758 | INTVDSNN LPIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 9537 | DNPRYTD AHNAVTVQ GRTVP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 9537 | DNPRYTD AHNAVTVQ GRTVP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 110614 | GPRGLPGE RGRTGPA GAAG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.015 | 0.009 | 0.01 | t | 146808 | CTPKSDEF NPCEDIM GYKFL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.034 | 0.019 | 0.018 | t | 39092 | LRGDLQVL AQKVARTL | Cavia porcellus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0 | -0.01 | -0.008 | t | 20788 | GLCTLVAML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.02 | t | 119462 | HDENGATGPVKRAREETDKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.003 | t | 32841 | KPPTPPPEPET | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.017 | 0.013 | t | 125453 | KDRLQGMAPAAGAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.076 | -0.07 | -0.07 | -0.07 | t | 123629 | PRIMHHMP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 109427 | KPISGHNSLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.034 | -0.04 | -0.038 | t | 123643 | PYMPPPGM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 68087 | VDVSEGDIVISKYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.034 | 0.02 | 0.017 | 0.022 | t | 134197 | PVFPTAEQFRRM | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.035 | 0.017 | 0.018 | t | 57928 | SFTNFGSVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0.002 | t | 108600 | QLINTNGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0.002 | t | 108412 | GTTDHVGVPITYDWGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 105650 | AEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 200 | AAHIPYLEQGMHLAEQFKQK | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.026 | 0.02 | 0.019 | t | 61946 | STTNTPLV SHLEHRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.026 | 0.02 | 0.019 | t | 61946 | STTNTPLV SHLEHRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 103296 | IVMSTNN DDPAGAC R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140906 | TPEYNIAL GQRRADA VKGYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79510 | AIWQHGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 95700 | QDHGWD LNAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.003 | t | 136593 | RHYKQYQ FHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.034 | 0.031 | 0.03 | t | 47137 | PDLGFISEP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.029 | 0.032 | 0.032 | t | 106597 | LDLKRTTT THTSGGG C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.01 | -0.012 | t | 133041 | DHVKDYK ESNETKLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.005 | -0.01 | -0.011 | t | 136079 | QVLLP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 129973 | SPRSFQKK T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.002 | 0 | 0.001 | t | 56195 | RTTPDRQ AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.01 | 0 | 0 | t | 30597 | KERSSLRY GNVLDV | Myodes glareolu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.01 | -0.01 | t | 18951 | GDDMDPE LRGLAQA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.008 | 0.01 | t | 122140 | LQDSGVH DVAVISEA QAATA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.022 | t | 62855 | TAGLASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 156941 | PTEKKHV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.02 | t | 4166 | ARIYYRYD GFAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.051 | -0.05 | t | 68281 | VELRNLGG TWRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.011 | 0.01 | t | 6067 | CCNLEPEA RKVISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | -0.003 | 0 | t | 24441 | HPDVPYVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.02 | -0.021 | t | 149242 | AALILSKHP NWTNTQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.049 | -0.05 | t | 47675 | PGHVSUGH RMAWDM MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.049 | -0.05 | t | 47675 | PGHVSUGH RMAWDM MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 144677 | GTHPTLVV HSREL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.009 | t | 120022 | LENYNKVI RPVEHHT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.009 | t | 120022 | LENYNKVI RPVEHHT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.009 | t | 120022 | LENYNKVI RPVEHHT H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.004 | -0.01 | -0.01 | t | 7675 | DAVTPLRI FIVPPAA EYEQ | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.02 | t | 30260 | KDTRLRIAYL TEAKVEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 149297 | ELDKWAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.002 | t | 32913 | KPTTKQRQ NKPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 74035 | YGLFHKEK MIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 113782 | QQPGQLQ QPAQGQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.015 | -0.021 | -0.02 | t | 100217 | KMDAEFR HDS | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.018 | t | 51804 | QPEKGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.009 | 0.008 | t | 60396 | SQCKLGSV DLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 140595 | RHEDGDW PRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.021 | 0.02 | t | 90405 | VSSRPTNS ESIPALT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.001 | t | 134418 | KGAIIGLM VGGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.01 | t | 102436 | FPKMSAY DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0 | -0.002 | t | 98978 | RCLQSCQ QEPDDLK QKACES | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 72615 | WIGMNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 66681 | TTKPKEVP TTKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 22028 | GRFDEAM QDQIRQLE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 22028 | GRFDEAM QDQIRQLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.028 | 0.012 | 0.009 | t | 98860 | LAGSGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.016 | -0.023 | -0.022 | t | 6065 | CCNGIRTI NGLARTT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.013 | -0.01 | t | 98815 | HRIFLAGD KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0.001 | 0 | t | 58810 | SKEKPPSL NWPAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.053 | -0.05 | -0.05 | t | 115271 | GQKGRGS RG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 115241 | EVIESPPEI NTVQVTST AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108295 | CKRDSTW C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 151034 | NERTLDYH DSNVKNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 149025 | ANILSRR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.001 | 0.01 | 0.01 | 0.012 | t | 156907 | KVGDPLW | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 157771 | QGDRYTG EWYQGKK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 58039 | SGFVAGK GFRLDFGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 128004 | GMIEVQS NYGFVWD VSLKKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.008 | t | 21928 | GQPAVRN ERATGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 151723 | RSITTIIDTF HQYSRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.011 | -0.007 | -0.009 | t | 1454 | AGASDIRD QSRNWL GPCYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.03 | t | 57102 | SCISAACFC I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.028 | -0.023 | -0.018 | t | 45162 | NNLGLLCE YQAIGSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 151653 | HWYRATH QEAINCYA NETC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.015 | -0.026 | -0.031 | t | 142434 | KSTEDLSV AKDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.025 | 0.013 | 0.01 | t | 111934 | VVQDGRF SYQNLFDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 57299 | SDTRGDP VFNLPFQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.011 | -0.01 | t | 103643 | TGALQERS K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0 | t | 6034 | CASKAALIE EGQRMAE MLKS | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.02 | t | 131759 | WTLFFQN GKVKVFQ GNQDSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.044 | 0.039 | 0.04 | t | 41984 | MLKYDEN GTITDAVD CS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 142471 | SAAGAKRS GRSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 105561 | VAVVRTPP KSPSSAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 112603 | MIAATYNF AVLKLMG RGTKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 74008 | YGGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 51233 | QKPLK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 53447 | REACR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.002 | t | 51233 | QKPLK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 39689 | LSSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0.002 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 10227 | DSSAHGTP STPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0.002 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 153839 | HQKRTAM FQDPQER PRKLPQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.072 | 0.075 | 0.071 | 0.07 | t | 67191 | TVVAPDKE VLYEAFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.019 | t | 34341 | KWYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.012 | -0.02 | t | 22162 | GRPGAPG GSGSGPR HRDGVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | t | 78456 | LQLISGLLN DTSSSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0.002 | 0 | t | 54232 | RIRADFNA SMDLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 62997 | TASNKNR GIIKTFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.029 | -0.03 | -0.028 | t | 98183 | KSAYTPAY YT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.027 | -0.029 | t | 74801 | YLLQKLNR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.005 | 0 | 0 | t | 61589 | STEQNVP DPQVG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.005 | 0 | 0 | t | 61589 | STEQNVP DPQVG | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 18363 | FWRGDLV FDFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.013 | -0.01 | t | 47719 | PGPARVIY TY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123835 | VSSATNAL RSM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.007 | -0.008 | t | 72816 | WLTYHGAI KLDDKDP QF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.046 | 0.04 | 0.04 | t | 105898 | KGEQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.046 | 0.04 | 0.04 | t | 105898 | KGEQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.053 | 0.052 | t | 55211 | RPLIDFDQ GWGPISY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.037 | 0.02 | 0.019 | t | 7428 | CYPYDVPD Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.02 | 0.02 | 0.019 | t | 114011 | VTTVTTHN NPTFTDPS VLQP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.009 | -0.01 | -0.009 | t | 37690 | LLPSRRGD QLTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98648 | YTKNTNN NLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 98648 | YTKNTNN NLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 98648 | YTKNTNN NLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117043 | MISDYSTR PDRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117043 | MISDYSTR PDRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 136005 | TVAQSRRR GDMS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 131685 | SYAIAWH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.013 | -0.009 | t | 66736 | TTNIMEILR GDFSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 63755 | TFTNKLKA KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | -0.003 | -0.002 | t | 47024 | PCIGYVRS GGAVPPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 125438 | HGVFAFLV SPSPYELC AVPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.009 | t | 79616 | NCHGPD WASPVQC RHSPDCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.015 | 0.013 | 0.009 | t | 79616 | NCHGPD WASPVQC RHSPDCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.004 | 0.01 | 0.014 | t | 145951 | PVGPSDPS IVSLVEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.003 | 0 | t | 133786 | CMTSPWR C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.013 | -0.01 | t | 30872 | KFVDSTVV ASVTIIDRS LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.015 | 0.003 | 0.008 | t | 136162 | DAWKMRL SQMYD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.023 | t | 118762 | CYGSFAKP TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.007 | t | 144738 | NVGEACH SLHEC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.09 | -0.088 | -0.085 | -0.086 | -0.091 | t | 133062 | EAPRRRSP SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.011 | 0.012 | t | 101410 | WCCRSTL PPLRYRGE DGCW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.08 | -0.081 | -0.08 | t | 110652 | LCLIGCKPP IGEHWGK GSPC | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.003 | 0.01 | t | 136005 | TVAQSRRR GDMS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.023 | 0.032 | t | 120610 | IFADDID | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.007 | 0 | 0 | t | 116001 | TQDQDPV VHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 103965 | GYKYLPGP NSLDQGE PT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.002 | -0.01 | -0.01 | t | 42885 | MTTAQGT SMYPSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.039 | -0.042 | t | 153266 | IVTARARH DWNWVQ RSSRSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.015 | 0.007 | 0.01 | t | 95268 | CAQVYNKL GMYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.011 | t | 120097 | MKRPSRE KQDKKIFT EDID | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.01 | 0.011 | t | 122733 | DSKPTIISR AN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0.005 | t | 35399 | LEDPCKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.008 | t | 27389 | ILTVSVAVS EGKPTEKH IQI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.01 | t | 89851 | VAGTWYS LAMAASDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.038 | 0.027 | 0.03 | t | 98821 | IDQIEKQA KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.034 | 0.03 | t | 56962 | SARDGIRD AMIGLREE MIEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 147353 | VALRVVSR NPRGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 147366 | VFARGPQ AHLVHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 137284 | RTNTTQG KVPSQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 62998 | TASPGAAS GPKVVIDG KDQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 140458 | EHNDFPM YTWRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 107890 | HRLAFGQ NT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.03 | t | 22687 | GTHNQW NKPSKPKT NLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0 | t | 35061 | LCKGPDAL CLSNLTPM L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 134069 | GMTALLK VSSCDKNT GDYYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78361 | DLPGGML NDKVRGM L | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.041 | 0.041 | 0.041 | t | 60589 | SQVYTTSE YPSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.02 | 0.016 | t | 145921 | NPEIVIQY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.036 | 0.041 | t | 140665 | DTAAQI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.021 | t | 153261 | GRQPTPLS PPLRNTH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.049 | 0.043 | 0.042 | t | 8076 | DEKLDQM EED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.012 | -0.01 | t | 25794 | IEEVALSNT GEIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 46349 | NVDENAN AN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0.002 | t | 47538 | PFPQPELP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0.006 | 0.002 | t | 18961 | GDEDSOSS DGYPNR QDPRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.033 | -0.029 | t | 113535 | IGGRVHFF KDISPIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.003 | 0.008 | t | 126948 | RLLIADPPS PRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 139839 | PAAAQAL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 99324 | HYEEPHTQ GRRSQSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158586 | APSHPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.011 | t | 117331 | MKLVRFL MKLSHETV TIELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.084 | 0.083 | 0.082 | t | 50578 | QEEQEQQ EEQEQELE EQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.045 | -0.047 | -0.049 | t | 115729 | EPQVVTLP PSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 104144 | NDSQCWK LGCIAEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.011 | -0.01 | t | 28299 | IRGDTFAT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.069 | 0.073 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 58143 | SGNCDVVI GIINNTVY D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 144616 | DPRYTCQR EF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 135945 | KFGADAR ALMLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.009 | t | 41554 | MGAQVST QKTGAHE TSLSAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.002 | -0.03 | -0.035 | t | 12345 | EHKYSWK S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.003 | 0.007 | 0.012 | t | 70352 | VPKPQGPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.04 | -0.039 | -0.037 | t | 107510 | LMVGGV IA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 122291 | CTYILDPEK LTLRATYD N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 122291 | CTYILDPEK LTLRATYD N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 122291 | CTYILDPEK LTLRATYD N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.018 | t | 22491 | GSRTLGA KHPALQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.019 | 0.01 | 0.011 | t | 140730 | QFAYDGK DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.008 | t | 122733 | DSKPTISR AN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.003 | 0 | t | 118380 | GKPIPNPL LGLDST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.045 | -0.053 | -0.05 | t | 50070 | PYCWHYP PKPCGIVP A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.019 | 0.01 | 0.01 | t | 56202 | RTTTASGK LIT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.022 | t | 6952 | CRTLTMGMSLGARQKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.009 | 0.011 | t | 103463 | PECPSGYTMNSSNLLC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.021 | 0.01 | 0.008 | t | 111935 | VVVSESGWPSAGGGA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 48627 | PNEPDDALAMRIIRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.017 | -0.02 | t | 64601 | TKKPGGPKGNRAINM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 119659 | VDKSRWQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103519 | QGQWRGAAGTAAQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.02 | -0.031 | -0.029 | t | 41290 | MDWNMHAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.017 | 0.019 | 0.02 | t | 16949 | FLVHREWFMDLNLPWSSAGS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 38950 | LQPQQPFQQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 120918 | RLFKHLFGYNRWARPV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.033 | 0.041 | 0.04 | t | 78500 | RASLSTWHVLYSPNVSVPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | -0.004 | 0.032 | 0.02 | 0.019 | t | 101625 | FFDEIIHSCRSQNG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.014 | 0.02 | t | 41948 | MLGNAPSVVPNTTLGM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.017 | -0.011 | t | 119735 | AEFHRWS SYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.023 | 0.026 | t | 59106 | SLFSSGAQ QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.018 | -0.02 | t | 73588 | YDSY CIMN FCGHAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.012 | t | 138458 | KEVPALTA VETGATNP LV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0.003 | t | 55671 | RRPFNIGI NNQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 74009 | YGGPANK KNAG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.002 | 0 | 0.002 | t | 74009 | YGGPANK KNAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.002 | 0 | 0.002 | t | 74009 | YGGPANK KNAG | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 8066 | DELEAETQ NVYAA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.002 | 0 | 0.002 | t | 8066 | DELEAETQ NVYAA | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.002 | 0 | 0.002 | t | 8066 | DELEAETQ NVYAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | 0.002 | t | 144583 | ACGIPINY NASKEWA DKKVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.029 | 0.017 | 0.017 | t | 115350 | LKPTPEGD LEILLQKW ENGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.016 | 0.018 | t | 96235 | EKDKGLQT SQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.017 | 0.012 | t | 142386 | ANKYQISV NKYRGTA GNAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.036 | -0.03 | -0.028 | t | 38208 | LNENLLRF FVAPFPQV FGKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.027 | 0.013 | 0.009 | t | 157810 | QRELKMOV VAQS | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 48331 | PLGFFPDH QLDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.028 | 0.019 | 0.02 | t | 10580 | DVENSML QAN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 112047 | ASTRESG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.002 | 0 | 0 | t | 52693 | QVETEDTK EPGVLMG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.002 | 0 | 0 | t | 52693 | QVETEDTK EPGVLMG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 67625 | VAHDGAG KRVYYLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 101108 | PANAHPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.048 | -0.05 | -0.05 | t | 125791 | CSFWSKYI QTLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 51924 | QPQQPFP QRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132814 | FGENRPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 7513 | DAGDHS PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.009 | t | 126374 | KALRDGD WFWWEN SHVFTD | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 135896 | APHLTRAY AKDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.012 | -0.02 | -0.022 | t | 110948 | MVTSDAQ IFNKPYWL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.018 | t | 8921 | DKLCKDKK ADSGYCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 63835 | TGGIGNLP IRNWNFD FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.018 | t | 47770 | PGVDIIEG PVKNV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.041 | 0.04 | 0.04 | t | 55627 | RRKLTNPA NKEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.028 | 0.03 | 0.032 | t | 28291 | IRFKDDTSF EDING | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.052 | t | 104850 | KEGILQYC QEVYPELQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.033 | -0.03 | t | 23160 | GVSWTM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.043 | 0.043 | 0.042 | t | 115272 | GREAADA FSPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.013 | t | 95160 | TVLLSLTVF MLLVAEI MPAT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.029 | 0.03 | t | 74500 | YKRQTAKF SDGQLT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | -0.003 | 0 | t | 65799 | TPVIGSQA RK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 116838 | SYEFRHH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 106046 | QQGRRHQ SQRPPRRF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 158600 | MFNWHP F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.018 | 0.018 | t | 96058 | AAEKQMK DKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 136731 | VRVFQATR GKLSSKCS VVLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 135966 | NPVEIRRG VMLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.054 | -0.05 | t | 115633 | PPFSRVVH LYRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.007 | 0.009 | 0.009 | t | 55389 | RQAESSEA MAAWSER AGEA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.031 | -0.029 | t | 122127 | KRSRLDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 56201 | RTTTASGK L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78503 | RFPYWVFL PPIATVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 159041 | NTFVIDGP ETKECPTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.031 | 0.03 | t | 78659 | GEAPLSAC TSTSFPPPS PGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 130908 | ITRTTLQSD QEEIDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 118540 | NPVEIRRG VMLAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.009 | t | 73595 | YDTRCFDS T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | -0.001 | t | 131956 | LPKSAKPV SQMRMA TPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 22125 | GRLHLINQ RAVVAPD KEVLY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.011 | t | 131697 | TGTSSDVG GYNYVSW Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 5865 | AYLSPIDLN QLAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.063 | -0.049 | -0.047 | t | 12944 | ELAKLRAG KASDSQTP DT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 159078 | RSKHNRRE GYKVQVQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 115678 | AIPPKKNQ DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 51924 | QPQQPFP QRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 134753 | MGPRRRS RKPEAPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.035 | 0.03 | 0.032 | t | 78630 | DYGEILTEK VEDLYKGV LL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 78708 | KLVEYCDF LTTFVHAK KKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.031 | 0.02 | 0.016 | t | 133624 | KPGEMRG AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 128795 | GSLICNVG AGGPAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.023 | 0.017 | 0.02 | t | 58359 | SHGNYST QVGATQA GRFSIT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 131437 | GASVKVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.009 | -0.009 | t | 48854 | PPPLSEAA PKPRAAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.041 | 0.03 | 0.028 | t | 111736 | RLYDPNQ AALQALR N | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.038 | -0.05 | -0.052 | t | 95808 | RTVNPLGF FKKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.01 | t | 33851 | KTRVYTNN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 140862 | GTVSYGEE KPAVLGH DEAAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.013 | -0.01 | t | 67969 | VDGVHAP DKEVKVH ADKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.012 | t | 132450 | LRAHLKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.038 | -0.037 | -0.03 | -0.031 | t | 123809 | VAVESRN GSRLHFNK | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.019 | t | 122083 | DPNIKLV DDCWATS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.022 | t | 5645 | AWDFGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.012 | t | 30988 | KGIYQTSN FRVVP SGDVVR F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.007 | -0.008 | t | 48984 | PQDVKEP GGGQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.013 | -0.009 | t | 110818 | DSTNNNK YTVTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | 0 | 0 | 0.001 | t | 47046 | PCSICSNN PTCWAICK R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 110029 | VEWGSND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123130 | EHLYGRDD R | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99330 | IGKPKAQN IRQGAKE | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 151057 | SSWPNHD SNKGVT A | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 131542 | LLTRYLRIH PQSWVHQ IALR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 127714 | KPWKHLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.06 | 0.053 | 0.059 | t | 118902 | LVFEAPNQ EKVSDYE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.008 | t | 7317 | CVTQTVDF SLDPTFTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.007 | 0 | 0.002 | t | 8804 | DITRHEQQ LIVARQ | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.009 | -0.013 | -0.01 | t | 99619 | RLVLRRNA LRRPFYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 22508 | GSSIAADQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140933 | YDITGEYV QILDAHAA YLNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 69905 | VLYREFDE MEECSQH LPYIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | -0.002 | t | 57259 | SDPPLVAN QVVTCPD KKSTA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.007 | t | 132737 | WIRSTLRR VEAKGRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 149403 | PCKSNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 150858 | ISSLYNLVK SS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 119038 | TSTNGIKKI LIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 118963 | PNYKVVV YAVTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 31772 | KLCGVL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.023 | 0.03 | t | 134685 | GVSSYMK VSICLPMD VE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.017 | -0.001 | 0 | t | 79278 | KSAVGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 133622 | KPGDPSAL HVVRCWI C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.01 | 0.01 | t | 136694 | TSLRKALL HAPTGSYS DGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.04 | t | 98732 | DITNPINLR EGEPDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.008 | t | 96457 | KGTVNLT WSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.009 | -0.009 | t | 48392 | PLLESWKD PDYVPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.033 | -0.027 | -0.03 | t | 23134 | GVSCTVTR EDGTNRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.041 | 0.033 | 0.03 | t | 31131 | KHLTSFKR ELGTLID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 74036 | YGLFHKEK MLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 115295 | INPSKENL CSTFCKEV VRNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 121719 | PSGKKCIA AKKIKQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.017 | 0.021 | t | 78381 | FKDGRGC GSCFEIKCT KP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0.003 | t | 68054 | VDREGRD NVRSGKV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.003 | t | 16101 | FHENWPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.003 | t | 9586 | DPAFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.003 | t | 7491 | DAEFRHDSGYEVHHQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.023 | -0.021 | t | 65374 | TNMKHM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.041 | -0.037 | -0.03 | t | 138212 | PAAPPAAPGGPGAP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.013 | -0.017 | t | 102974 | YVVKSFDRSTKVIDFHY PNE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.003 | -0.01 | -0.012 | t | 100645 | YACGQGIDCGPI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 64704 | TLAAHVLD RSPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 110603 | GLPGARGLTGRPGDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | 0.003 | 0.002 | t | 6222 | CFDYAPYVSAVDDIC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 20012 | GGSGGSVASGGSVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.016 | 0.045 | 0.03 | 0.031 | t | 61549 | STDEPAGE SA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.019 | 0.02 | t | 138162 | EKKYSPCAWEVVRAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.033 | -0.03 | -0.03 | t | 68048 | VDQHNAT EICRLIKLC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127560 | ADEWLPEV EGPRD | Trichosurus vulpecula |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 159287 | KTQGHSY HLRRKNG VKHPVY | Aotus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156878 | GQKKKCV RDCLPAT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.03 | -0.033 | -0.029 | t | 130610 | SMCMHG GAYCFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.017 | 0.017 | t | 115555 | WDQVKR NAVPIPT LNREQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 13860 | EQKSKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 108104 | RRLPFGSQ M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.043 | -0.041 | t | 107110 | EKERRPSPI GTATLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.05 | 0.04 | 0.042 | t | 46021 | NSVDFEED TL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.003 | 0.001 | t | 110821 | DVRQQYE SVAAKNL QEAEW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.003 | 0.001 | t | 110821 | DVRQQYE SVAAKNL QEAEW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.025 | t | 122293 | CTYVLDP E NLTLKAPY EA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 106002 | PPTNVGS NTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.01 | t | 9956 | DRCTTFDD VQAPNYT QH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.036 | -0.041 | -0.042 | t | 18816 | GAVPPAC CNGIRTIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.033 | -0.03 | t | 75410 | YPSGAWY YVPLGTQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115829 | KRSGSKDS HHPARTAHY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.03 | -0.03 | -0.03 | t | 115829 | KRSGSKDS HHPARTAHY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 115829 | KRSGSKDS HHPARTAHY | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0 | t | 87988 | RLFAQPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 45629 | NQSTVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.019 | -0.029 | -0.03 | t | 24595 | HQNILRVA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.023 | -0.02 | -0.02 | t | 10282 | DSYIVVGR GEQQINH HWHKS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.059 | t | 115206 | DIGSESTE DQAMEDIKQMEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.023 | -0.021 | t | 96779 | QKVAGTW YSLAMAAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0.002 | t | 119322 | QRVFKEKV DTKAPEPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 130457 | CRQPGNN YC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 130457 | CRQPGNN YC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 54393 | RKLWCHH FC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 38345 | LNTEPSQL PPTAPP | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 6918 | CRFPNITN SHVPILQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 95827 | SGASAQS GASAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 32895 | KPTFKTTK KDHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.019 | 0.012 | t | 131415 | ESKAISDA QITASSYFT NMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 24401 | HNQWNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.013 | -0.01 | t | 65519 | TPCILSGSA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.003 | 0 | t | 51974 | QPTELRY S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.008 | 0.007 | 0.013 | t | 52124 | QQQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.012 | t | 47538 | PFPQPELP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.017 | 0.022 | t | 52152 | QQSPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 116917 | AESDDSS T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | -0.001 | 0.001 | t | 36317 | LGSGAFGT IYKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.018 | t | 108216 | WWATFFE ATR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104213 | QQFNQQA PLNLENTN NGTL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104213 | QQFNQQA PLNLENTN NGTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.053 | -0.053 | -0.048 | t | 51431 | QLRLKKY KV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.004 | 0.01 | t | 28804 | ITADMYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.014 | t | 6455 | CITQYERES QAYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.016 | 0.023 | 0.021 | t | 39070 | LREGVTLG VGASFDT QKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149065 | LGPNHTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 149305 | EQSRCQAI HN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 119590 | HQDWLN GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79642 | SGTSHIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.001 | 0 | t | 24978 | HTSSMRG VYYPDEIFR S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.004 | -0.01 | -0.01 | t | 86807 | NIYTFVPEK IYGLIAKKQ SN | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.009 | t | 94580 | LDNKYAGK GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.032 | -0.037 | -0.038 | t | 114281 | CNYKTHS WC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.028 | t | 12331 | EHFWEQR PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.023 | t | 108088 | RAAPFGN QW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 0 | -0.05 | -0.054 | -0.022 | -0.047 | -0.038 | t | 116838 | SYEFRHH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.019 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 43893 | NFNGLTGT GVLTPSSK R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.042 | t | 135559 | GSDPQHY EG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.02 | -0.021 | t | 78361 | DLPGGML NDKVRGM L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.027 | 0.032 | t | 47806 | PHDIDLGE SRVVIQDY DNQH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.019 | 0.02 | t | 58231 | SGSGSNNS SSSA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.037 | 0.027 | 0.03 | t | 76161 | YTQKLSVP DG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.003 | t | 43246 | NANPNAN PNANPNA NP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.007 | 0.009 | 0.01 | t | 16949 | FLVHREW FMDLNL WSSAGS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.012 | t | 144664 | GREGYP DGGGLPD SVKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.008 | t | 27961 | IPNKKPGK KTTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 125363 | APKTYVSV SGMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 125602 | WMSYPDR TLRTS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 125602 | WMSYPDR TLRTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 113281 | ARTAHYGS LPQKSHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.035 | -0.03 | -0.028 | t | 65938 | TQSMGIQ LDQRIIL | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.02 | -0.02 | -0.02 | t | 130438 | AFRGHIAR EEAKK | Macaca |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.02 | -0.02 | -0.02 | t | 130438 | AFRGHIAR EEAKK | Papio |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.023 | 0.018 | t | 136083 | SEGAEYDD QTSQREKE DDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.03 | t | 48685 | PNPLGFFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.028 | -0.027 | -0.03 | t | 6171 | CEKAKRAV RGRQDRP KEFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 99239 | FDQRSRQF QNLQNHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.017 | -0.023 | -0.02 | t | 22389 | GSITTATSL DFPALW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.009 | 0 | -0.001 | 0 | t | 42797 | MTEQQW NFAGIEAA ASAIQG | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | -0.001 | 0 | t | 42797 | MTEQQW NFAGIEAA ASAIQG | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 52060 | QQLIVARQ KLKDAER | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.003 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 16017 | FGNDWED RYYRENM Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144654 | GPHPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144654 | GPHPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | -0.001 | t | 101412 | WIRNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.003 | 0.002 | t | 20462 | GITLKQAT TAPCAVM DITGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.004 | 0 | 0 | t | 3959 | AQFDQIAS GLSQERN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 108085 | QTATYLP HLKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.03 | t | 6946 | CRTCAHP GEHA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.03 | t | 6946 | CRTCAHP GEHA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.061 | 0.051 | 0.05 | t | 81709 | ENDYSAN GGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.011 | -0.017 | -0.018 | t | 113757 | QHPVTNIS DT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0 | t | 10943 | DYQGMLP VCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 142485 | YNIYSEKEK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 142486 | YNQYTEEE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.018 | t | 127898 | YEENLGDS IV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.014 | 0.007 | 0.01 | t | 49706 | PTLPGTNI VLGALPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108752 | AGVDTDW EPHGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106853 | SLWTPYPD QLSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 135570 | LFDASDSS S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79509 | AHRPTLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 48595 | PNAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 107156 | GLAGAPGL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0 | t | 30767 | KFLEGAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.016 | 0 | 0 | t | 30767 | KFLEGAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.032 | -0.04 | -0.042 | t | 95414 | GLDLDVN VFR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.017 | -0.02 | t | 65803 | TPVNGNS PWAPTAP L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.037 | 0.038 | 0.04 | t | 46522 | NVYADSFV VKGDDVR QI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.011 | 0 | -0.002 | t | 111738 | RPGKEIEA YIFEMFN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.019 | -0.017 | -0.018 | t | 98154 | KDTNNNL TLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.01 | t | 72295 | WDEGIKS TIVEAAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 75950 | YTASARGD LAHLTTT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 132350 | GPNICTTR GVSSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.002 | t | 51370 | QLINSNGS WHIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 131862 | ELPSSNTG AWRVSTM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156861 | DSQKPCKC HCTMTQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 115440 | QKEDVPSE RYLGYLEQ LLRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.09 | 0.097 | 0.09 | 0.092 | t | 95218 | AEPEQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 99834 | QGQQGYYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.022 | t | 95132 | PYVTYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 61824 | STPLLYPSL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 134782 | RGRGRGG PRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.061 | -0.07 | -0.073 | t | 11565 | EEDTEKDK PK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.036 | 0.033 | 0.04 | t | 144699 | KASITEIKA DKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.009 | t | 139525 | ISSQTNDT HKRDTYA ATPRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.008 | -0.01 | -0.01 | t | 151 | AAGFASKT PANQAIS MIDGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.033 | -0.037 | t | 135453 | CNAEVYV VPWEKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0 | t | 55264 | RPPQGNW FGCTWM NSTGFTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.033 | 0.04 | t | 141946 | LKEDSRDR T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 122333 | EKPFRFHP EHFLDAQ GHFVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.003 | -0.01 | -0.01 | t | 72241 | WALQGKR RGALIDFE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.017 | 0.01 | 0.01 | t | 21721 | GPPAAEYG PPAAEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.01 | 0.01 | t | 119464 | HPMLPNY KNFKGTIQ ELGQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.008 | -0.01 | -0.01 | t | 73021 | WRCVVYP GNGFVSAS IFGFQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | -0.002 | t | 66508 | TSYTGPA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 20591 | GKISSDEA KNPFIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.01 | t | 97726 | VETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 114854 | HKVEQGA SVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.004 | -0.01 | -0.01 | t | 44096 | NGTYRATY QD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 96714 | NVPKINPK KD | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.01 | 0.01 | 0.012 | t | 27985 | IPPSSPPQ | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.01 | 0.01 | 0.012 | t | 27985 | IPPSSPPQ | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 48928 | PPSSPTHD PPDSDPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 74485 | YKNTHLDL IYNA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0.008 | 0 | t | 22162 | GRPGAPG GSGSGPR HRDGVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.003 | t | 51729 | QNKPPNK PNPDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 107892 | HSASQDG QDTIRGHP GSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.03 | t | 75208 | YNQRQESL RECC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | -0.003 | -0.006 | t | 45627 | NQSLDLAE QELVDCAS QHGC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.055 | -0.06 | -0.059 | t | 125230 | RERRGIAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.012 | -0.011 | t | 56201 | RTTTASGKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.008 | t | 151652 | HWWRAE SDEARRCY NDPKC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.03 | 0.013 | 0.01 | t | 20152 | GHLAPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.012 | t | 35247 | LDPAFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.038 | 0.031 | 0.03 | t | 76132 | YTNIPVSIL FNKEEADD NGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.029 | -0.033 | -0.03 | t | 132023 | PVFIPAPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 119672 | WNPADYG GIKKIRLPS DD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.01 | 0.01 | t | 95104 | ITGAGPKY VKQNTLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.039 | 0.031 | 0.03 | t | 12955 | ELATKTFG SSGSSAVD SGTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135446 | AKAQLR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.011 | t | 135710 | LAKEQKSK QNIGALKQ ELAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.037 | -0.029 | -0.028 | t | 18814 | GAVIIRGH LRMAGHS LGR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.08 | -0.076 | -0.08 | -0.08 | -0.08 | t | 100382 | PKHVRVW CPRPPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 49106 | PQQQFPQ PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 20059 | GGTWGQ PHGGGW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 135492 | RAEIM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.031 | -0.03 | t | 141971 | NKPVTDN PVTDLR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.019 | -0.011 | t | 131903 | GVMAARG QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 72901 | WNPKEH W | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.022 | -0.02 | t | 70670 | VQWMNR LIAFASRG NHVAPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 7763 | DDEDLDEF KPIVQYDN FQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 137743 | DTPLTIAGL KLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.04 | 0.04 | t | 98397 | QQQQPSS QVSFQQP LQQY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.04 | -0.043 | -0.042 | t | 11011 | EADRKYDE VARKLAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.011 | -0.01 | t | 40017 | LTLNHASS G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.021 | 0.02 | t | 14208 | ESLTTTSTA LGKLQDVV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.014 | -0.021 | -0.019 | t | 76290 | YVHDNC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.001 | -0.002 | t | 17881 | FSWDWSG HNYINEIE ATSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 158723 | DTGCAIDIS RQELRCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.012 | t | 9524 | DNPASTT NKDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.048 | -0.04 | -0.04 | t | 106739 | QKREACKC IVRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.033 | -0.03 | t | 31652 | KKNPMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.013 | -0.01 | t | 51930 | QPQQPQQ SFPQQQR PF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.03 | -0.031 | -0.03 | t | 29165 | ITYKVMRE VRALAYFV NGTA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 149295 | ELDHWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0.001 | 0.001 | t | 97231 | CNTKCQTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 108614 | RPPHSAS WR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.019 | -0.03 | -0.03 | -0.032 | t | 156895 | KFQNGCA HPCHKKP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.007 | -0.008 | t | 51933 | QPQQSFP QQP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.017 | -0.031 | -0.032 | t | 138840 | DREQAPN LVYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0 | t | 79741 | AAASSPDA HVPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0 | t | 79741 | AAASSPDA HVPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 106936 | TTSEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.009 | 0.01 | t | 62489 | SWPLYDA SGLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 99838 | QQRPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.061 | 0.065 | 0.061 | 0.061 | t | 18946 | GDDGDDG DEGGDGD E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.065 | 0.061 | 0.061 | t | 18946 | GDDGDDG DEGGDGD E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.022 | -0.029 | -0.03 | t | 49273 | PRVRSKPV V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.003 | -0.001 | t | 119466 | IRGERA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.018 | -0.017 | -0.011 | t | 122205 | VFTLPPPL PETH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.026 | -0.048 | -0.04 | -0.038 | t | 146181 | CGSMMAT GKILVAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.05 | -0.05 | t | 133527 | AYIGLKDR KRPSELRR IAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.037 | -0.021 | -0.017 | t | 19620 | GFSPEEME AVASKFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 72249 | WAP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.007 | 0.011 | t | 65788 | TPTPTPTP SPTP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.029 | t | 131073 | SQATANPS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.013 | -0.01 | t | 45776 | NSDDDPV NPAPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.013 | -0.008 | t | 59982 | SPAPERRG YSGYDVDP Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149068 | LNLTSQR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.018 | -0.01 | -0.009 | t | 73067 | WSERIREF MEKECP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 153472 | TGLRNGIT NKVNSVIE KAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.037 | -0.033 | t | 122562 | RRQPHVV SQW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.03 | 0.033 | t | 28460 | ISDSDEFY NTIQIKEYD EQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153825 | ENQLKEAR FLAEEADR KYDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.071 | t | 130971 | MILHPDV QRRVQQEI DDVIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.003 | 0.001 | 0 | t | 25022 | HVAPTHY VVESDASQ RVTQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 139499 | FGEFSFY DCSSWGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 135928 | GCSAVSA HGCLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.016 | -0.013 | t | 141603 | AINASSDL NLIGFGI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.003 | -0.013 | -0.021 | t | 115638 | QDGDQAP EYRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.033 | 0.04 | t | 107866 | GNEITRGG STS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.008 | -0.02 | -0.023 | -0.02 | t | 156840 | AAPKMCS TWCQMW Q | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.024 | -0.037 | -0.04 | t | 142224 | LLDTKGGL YRWRSVP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | -0.006 | -0.001 | t | 107214 | MVGGVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.032 | -0.03 | -0.028 | t | 138938 | YLPIYTIPS MVY | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.012 | t | 128512 | EGPPPKDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.009 | t | 71681 | VVGYGWV PAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.038 | -0.051 | -0.052 | t | 141935 | KKPGGPG | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | -0.003 | -0.002 | t | 67957 | VDGGCNS ACNVFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 112603 | MIAATYNF AVLKLMG RGTKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 49413 | PSKPKNL KHVAGAA AAGAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0 | t | 123308 | IEGAAVDL R | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 70489 | VPSYSFIRA HDSEVQD LIA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0 | t | 70489 | VPSYSFIRA HDSEVQD LIA | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.015 | 0.02 | 0.023 | t | 59873 | SNNVQIVR QQSYSI | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 149786 | KVTAQTTD DRKQTGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.022 | t | 110081 | VWTRAELI GAFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.026 | -0.02 | t | 70266 | VPDGFKVS NS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 8448 | DGNCEDIP HVNEFSAI DL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.01 | t | 17278 | FPELKPGE SRHTSDH MSIYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.059 | 0.05 | 0.05 | t | 71292 | VTENDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 156957 | SLHSHLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.01 | t | 7534 | DAHHA DAHAH A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 115315 | KITVDDKH YQKALNEI NQFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115439 | QKAVPYP QRDMPIQ AFLLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 60641 | SREAKKQL EAEQQKLE EQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.008 | t | 41012 | MACMSA DLEVVTST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 105079 | AFNHFGK RLIQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.028 | -0.03 | -0.03 | t | 69299 | VKQMYKT PTLKYFGG FN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.05 | -0.05 | -0.05 | t | 123181 | FLGDRHYL T | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 135969 | PPEPRPRD RSGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.021 | t | 107951 | KTTICGKG LSATVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.006 | -0.003 | 0 | t | 72324 | WDQKLW CRHFCVLA D | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | -0.003 | 0 | t | 72324 | WDQKLW CRHFCVLA D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.007 | -0.011 | -0.01 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.011 | -0.01 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.011 | -0.01 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.02 | t | 58228 | SGSGANN SSSSGSGSI YN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.043 | -0.041 | t | 33233 | KRVKTWR MHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.01 | -0.007 | t | 46792 | PAFGANS NNPDWDF NP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.038 | -0.04 | t | 135928 | GCSAVSA HGCLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.022 | t | 47925 | PILQERPPL ENR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.022 | t | 47925 | PILQERPPL ENR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 95403 | GDVTFTEV GYTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.044 | -0.024 | -0.031 | -0.03 | t | 70189 | VNSLKKAL | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.017 | -0.009 | t | 106221 | AAVTPEER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.013 | 0.012 | t | 27670 | INKDAREL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 137747 | DTPLTYAG LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.037 | 0.027 | 0.032 | t | 95579 | LVLDTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.033 | -0.03 | t | 75411 | YPSGAWY YVPLGTQY T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.019 | -0.019 | t | 78873 | VKFPGGG QIVGGVYL LPRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 115658 | VGWYRPP FSRVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 112407 | YFCHQYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.011 | t | 108010 | LMPMNM APITGRAL E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.003 | -0.002 | t | 46804 | PAGFCDG YCKTHLKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.003 | -0.002 | t | 46804 | PAGFCDG YCKTHLKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.009 | t | 60526 | SQPNTeqS PAIVLPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.011 | -0.01 | t | 68896 | VHTWTEQ YK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.011 | -0.01 | t | 68896 | VHTWTEQ YK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.029 | -0.027 | t | 150874 | NWFDISK WLWYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.012 | -0.01 | t | 23791 | HFKDPQYP VWELTIRV WSEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.039 | 0.041 | t | 63087 | TCMTTAQ GTSMPSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.018 | -0.02 | t | 78984 | GPRLGVRA TRKTSERS QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.023 | 0.022 | t | 58022 | SGETTTAA GTTASPGA ASGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.02 | -0.02 | t | 52818 | QVWPSSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 142006 | SDSAQGS DVSLTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 144324 | GVSTITAD EIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 144439 | QALTGTNT GGAIDGVS TTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 134471 | PKPEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 124471 | LQAFDSHY DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Cricetulu s migrator ius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 124924 | YYVFFEEQ EDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 132615 | RLPPSDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 124258 | GYKEKSKFQD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 104695 | YLLYYTEFTPTEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 91109 | AHFVQQTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 91100 | AFQTPVHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 39224 | LRTGKKLELDATNAPAPANG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 46371 | NVESQPGGQPNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 41713 | MIHFGND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 38522 | LPHSNL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 46488 | NVSVSPSPSSTPLLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 21408 | GNDYEDRYRENMYRYPNQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 11571 | EEEDDDMGFGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 11571 | EEEDDDMGFGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 22280 | GSAMSRPIIHFGSDYEDRY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 21408 | GNDYEDRYRENMYRYPNQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 1165 | AESPKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.006 | -0.01 | -0.012 | t | 35106 | LCVPSRVG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.033 | 0.039 | t | 132397 | KEENLVKS LVSAGSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141665 | GSSDTNDI DTKRARTD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0 | t | 141665 | GSSDTNDI DTKRARTD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 141665 | GSSDTNDI DTKRARTD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107507 | LHQNWLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 58922 | SKPTTKQR QNKPPSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 91100 | AFQTPVHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.009 | 0.01 | t | 106829 | SETPANRL HFYV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 144673 | GTFCGGEE CMRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.029 | 0.02 | 0.02 | t | 21345 | GMSQDPV A | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 112408 | YGIGVGW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.063 | -0.069 | -0.07 | t | 61621 | STGLIHLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110615 | GPRGPPG PQGATGP L | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.023 | 0.022 | t | 115626 | LKDAIGEG KVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.029 | -0.03 | t | 570 | ACKRGP GS GFFSRLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.014 | -0.009 | -0.013 | t | 39172 | LRQAILCW GELM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.032 | -0.033 | -0.031 | t | 99385 | KLEYDPRC VYDPRGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.017 | -0.017 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.037 | -0.041 | -0.041 | t | 33795 | KTNMKH MAGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.008 | -0.01 | t | 2226 | AKKVPETF PELKPGES RHTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127722 | LGRNSTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.01 | -0.01 | -0.01 | t | 95565 | LPPSGSGR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.003 | 0.001 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 119979 | KAEFHRW SSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 119979 | KAEFHRW SSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 119979 | KAEFHRW SSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 145244 | HWRHWL ADTAFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 130837 | FTRHSQTT ANPSCPE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 117211 | GYWWSWI RQPPGKG EEWIG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 6986 | CSEYREPLL C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 6895 | CQQTLSVR ALC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.003 | t | 125230 | RERRGIAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.032 | -0.021 | -0.02 | t | 35214 | LDLGVDVR TYMPVHY KVLKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 115233 | EPMIGVN QELAYFYP ELFRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.01 | -0.01 | -0.01 | t | 3381 | ANPNPYTS RRSV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.018 | t | 141052 | LRDIFAW E P | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.003 | -0.01 | -0.01 | t | 31916 | KLILAYTP GARGPQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.009 | t | 108049 | NPVEIRRG VMLAVDA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.02 | t | 67076 | TVLRDPVF YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.018 | 0.01 | 0.008 | t | 5684 | AWPACYC YGVDPHIK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.041 | 0.04 | 0.04 | t | 55627 | RRKLTNPA NKEES | Mus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 2128 | AIVVEYSSS VKLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.054 | -0.048 | -0.05 | t | 62326 | SVSHARPR WFWFCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107813 | EGGGVRG PRVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 146401 | KSIHLGPG RAFYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 135927 | GAKLVQD VANNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 138246 | TDKTPFLL WRVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.004 | 0.01 | t | 44569 | NKPNNDF HFEVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.002 | t | 7850 | DDPPATVY RYDSRPPE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 7850 | DDPPATVY RYDSRPPE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 134200 | PVVNSLDP PLLTRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 136064 | HQIALRME VLGCEAQ DLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 134220 | RQGAEPR KNFVKPNE TKTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 134006 | ALRMEVL GCEAQDLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 134015 | CDKNTGD YYEDSYED | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 133738 | VTPYFSYP WAISCKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.039 | t | 115208 | DKTEIPTIN TIASGEPTS TP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.033 | 0.03 | t | 49352 | PSEGECEVI DSDSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.017 | 0.02 | t | 68358 | VESTVATL ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.011 | -0.01 | t | 80425 | APQQIDIS NTRATQS QFD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.022 | t | 44625 | NKVVPPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.01 | t | 49513 | PSSPPQW K | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.001 | 0 | 0.002 | t | 9524 | DNPASTT NKDK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0.002 | t | 9526 | DNPASTT NKDKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.042 | t | 23589 | HCDGFQN EKWDLFV E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.03 | 0.031 | t | 41204 | MCQCVQK YGTEFCKK RLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.032 | 0.02 | 0.017 | 0.02 | t | 156848 | ALTVRCTA PCPQRN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | 0.001 | t | 56610 | RYPGQGS PGGNRYP PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.001 | 0.002 | t | 16552 | FLDLPL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.017 | -0.019 | -0.02 | t | 18515 | GAALQIPF AMQMAY RFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.038 | 0.04 | t | 96207 | EDDAEDK DED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.009 | -0.02 | -0.022 | t | 42122 | MMHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.02 | -0.02 | t | 86469 | MQTRHVK NYHSRSES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 99234 | EWGTPGS HVREETSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.003 | 0 | t | 8469 | DGPQKSV SQGGVSL DLYSKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.02 | t | 107503 | LFPPKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 115496 | SSEEIVPNS VEQKHIQK EDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.05 | 0.057 | 0.062 | t | 48684 | PNPIGSEN SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.023 | 0.03 | t | 130643 | YSLLEPYT FDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.023 | 0.03 | t | 130643 | YSLLEPYT FDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.013 | -0.009 | t | 130606 | SCTVYGKT PLCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.039 | -0.038 | t | 79576 | IPKDRRST GKSWGKPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.02 | -0.02 | -0.018 | t | 156840 | AAPKMCS TWCQMW Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | 0.003 | 0 | t | 5507 | AVPNVRG DLQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.049 | 0.043 | 0.042 | t | 106119 | SQNSAEG AW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 95814 | SAQSGASA QSGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 95814 | SAQSGASA QSGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.033 | -0.03 | -0.028 | t | 111125 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | -0.001 | 0.002 | t | 107010 | YESPPKFW FISP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.053 | 0.049 | 0.053 | t | 103372 | LPGEEDLP G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.017 | -0.02 | t | 70810 | VRRDSAW DVRPLTET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 127984 | FTNLKFKV RKITSSHR GN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.059 | 0.047 | 0.052 | t | 11493 | EEAFFSFCE T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.025 | 0.02 | 0.022 | t | 134188 | PMSTPSAT SVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.023 | 0.022 | t | 72078 | VYLHRIDL GPPISLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.017 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.045 | -0.04 | -0.038 | t | 47994 | PITARIHA HLKAYA | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 111304 | GAVGENV PDDLVIKG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 159170 | TTASGKLV TDWCCRS C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.007 | 0.01 | t | 130613 | SSYCLRSV CLSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.007 | 0.01 | t | 130613 | SSYCLRSV CLSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.025 | 0.009 | 0.01 | t | 13763 | EPSGQTA DWY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.023 | 0.019 | 0.021 | t | 7187 | CTNGLTAL FTPGAKQ N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107441 | HQNWLD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103262 | HVIAGQAS PSRIDGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 79143 | ACNMLR WDKTIPCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.002 | -0.003 | -0.008 | t | 132982 | AHCLRDIP QRLVNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.011 | 0.01 | t | 56614 | RYPHYSLIK PESSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 115602 | EEAAMELK VEDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156852 | AYQLGYSP PPLPNPH | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.022 | -0.02 | t | 70672 | VQWMNR LIAFASRG NHVSPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.01 | 0.01 | t | 27918 | IPLGDLFK HQEERI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 108002 | LGWMRY HPQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.008 | 0.01 | t | 9038 | DLDANGIL NVSAEEKG TGKR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 153366 | CFRKHPEA TYSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.02 | t | 135533 | AELSPA AKTGKRKRSQ M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 52016 | QQEVDYII DHVDQHN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 52016 | QQEVDYII DHVDQHN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.022 | 0.03 | t | 124604 | QIERDTER DRFLSAPE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 6249 | CFPYCYP SESA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.023 | 0.023 | 0.022 | t | 115302 | IVTAGEER AVTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.02 | t | 132067 | SLVLTNL NEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 55260 | RPPNAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.004 | -0.021 | -0.024 | t | 30612 | KESQAYY DGRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.045 | -0.051 | -0.051 | t | 69871 | VLYHKPLA GVYRALKK QLG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.028 | 0.021 | 0.021 | t | 57789 | SFHNHLHL L FDEYTNIP VSIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.008 | -0.027 | -0.031 | t | 116605 | VNIPFVRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.007 | 0.008 | t | 69084 | VIQHTFNL KSQQARQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.001 | 0 | t | 11328 | EDGAGNQ PGANGAG NQPG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.001 | 0 | t | 11328 | EDGAGNQ PGANGAG NQPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 66409 | TSRTLSYYK LGASQRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.016 | 0.013 | 0.01 | t | 70879 | VSALEDKL AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 49118 | PQRPFAQ QPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 50300 | QALDAH DSVLKDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.056 | -0.069 | -0.07 | t | 35352 | LEAFWHK HM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.012 | t | 140905 | TPAAKVLV EGNTDER GTPEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.013 | -0.02 | -0.022 | t | 99951 | DQLTGNIN YACG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 95827 | SGASAQS GASQAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 95827 | SGASAQS GASQAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.061 | -0.059 | t | 150972 | CKLRGVAP LHLGKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.021 | 0 | 0 | t | 32486 | KNEVFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.077 | -0.08 | -0.08 | -0.077 | t | 143687 | FRVNLRTL RRYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.012 | -0.01 | t | 48520 | PLVESWKR PDYQPA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0.001 | t | 28075 | IPSTAFTDI AWVRLPN HY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.067 | 0.071 | t | 142006 | SDSAQGS DVSLTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.03 | t | 51012 | QHLLSPNV RPPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.047 | -0.043 | -0.042 | t | 47869 | PIAPYHFD LSGHAFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.048 | t | 107895 | HSTKRGH AKSRPVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.04 | t | 6952 | CRTLTMGMF SLGARQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.013 | -0.009 | t | 30780 | KFLVNGR WID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112362 | TRESGVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.01 | t | 129973 | SPRSFQKK T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 149436 | QQHHHH QEQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 149436 | QQHHHH QEQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 45406 | NPNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.01 | 0 | -0.002 | t | 70399 | VPNLRGDT QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.012 | 0.01 | t | 98098 | HKSGANA ASS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.002 | 0.003 | 0.013 | t | 30300 | KEALDKYE LENHDLKT KN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.009 | -0.01 | t | 2270 | AKQPATLR | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.003 | 0.001 | t | 42306 | MPNYDRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.004 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.06 | 0.043 | 0.04 | t | 43781 | NEVFCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.094 | -0.088 | -0.089 | -0.09 | t | 96409 | INDMPITN DQKKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0.003 | 0.004 | t | 15509 | FEDVKGTG GESRDLP S GQG | Papio |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0.003 | 0.004 | t | 6925 | CRGFTSFK KPPTPPPE PET | Papio |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0 | 0 | t | 119465 | HRKSTVAG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.029 | -0.033 | -0.029 | t | 99167 | DVFIMPAA HPVAINA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.001 | 0 | t | 47769 | PGVAGSG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141978 | PKGQTRTL GSNRERER I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 141978 | PKGQTRTL GSNRERER I | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 107662 | VLTVLHQN WL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.043 | 0.028 | 0.027 | t | 98777 | FNPTQLEE QC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.032 | 0.02 | 0.02 | t | 10550 | DVCSDS NDGVCDN V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.032 | 0.02 | 0.02 | t | 10550 | DVCSDS NDGVCDN V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 135944 | KEQFEFAL TAVAEVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.045 | -0.05 | -0.038 | -0.037 | t | 157111 | ASDACDKI RYQSLT | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.027 | 0.029 | 0.03 | t | 8974 | DKQLLP IVNKQSCSIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | 0.001 | 0.002 | t | 111288 | FPITTNAPI YGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.009 | 0.008 | t | 70656 | VQTRHV VQHRSRSES SIESF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.04 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 131893 | GNGANS GSRRGWG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 37315 | LLGCIGSTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 67930 | VDEKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 67930 | VDEKKK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 51828 | QPFPQPQ QTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.043 | -0.042 | t | 25086 | HVSGHRM AW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.028 | -0.04 | -0.04 | t | 69183 | VKAVTTLL KA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.04 | t | 69183 | VKAVTTLL KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.003 | 0.002 | t | 53046 | QYVLATYD TSRVEHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 117514 | GRGRGRG RGRGGPR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.007 | 0.007 | 0.01 | t | 110762 | AGSSIVPLE EYPAEIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | -0.004 | t | 145737 | DARAYDTE V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.016 | 0.02 | 0.022 | t | 148982 | VVKVEDKS KLQDTKDK KR | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.018 | 0.01 | 0.01 | t | 47757 | PGSTTTST GPCKTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.009 | t | 34502 | KYLGFBVQD AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.022 | -0.033 | -0.033 | t | 1453 | AGARRGD LAHLAAAH ARHLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.022 | -0.033 | -0.033 | t | 1453 | AGARRGD LAHLAAAH ARHLP | Bos taurus |

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|---|------|---|---|---|---|---|---|-------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 135569 | KTNMK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 135569 | KTNMK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 138862 | KFPED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 150858 | ISSLYNLVK SS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 139475 | ATPRAHEV SE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 139525 | ISSQTNDT HKRDTYA ATPRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 122452 | KTTKQSF LSVKAQYK KNKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 118734 | AEFRHDSG Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 102931 | WQALCAY QAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 108382 | GGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 107166 | GPPGPQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 102423 | FEYQD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 108382 | GGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 75791 | YSLFQKEK MVL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 75791 | YSLFQKEK MVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 75441 | YPYDVPDY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 50222 | QACKGKIQ ALCEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 40332 | LVFFAEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 50637 | QELDCWH YQHCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.042 | -0.05 | -0.052 | t | 113875 | SNRRPSTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 7108 | CTARVAGL FNPGSQQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 144673 | GTFCGGEE CMRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 99016 | SSRDQSSY LQGFSRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.028 | -0.029 | -0.03 | t | 41155 | MATPRSA KKAARKSG SKSAK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.028 | -0.029 | -0.03 | t | 41155 | MATPRSA KKAARKSG SKSAK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.028 | -0.029 | -0.03 | t | 41155 | MATPRSA KKAARKSG SKSAK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 135776 | VDRATCLR | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 103037 | AKVRRER MGHIELAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 141777 | VVDSEDLP LN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 123760 | SSYAKVSIC LPMDTETP LAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 117509 | GQIPPGAM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 118374 | GKALCWV CAQSRKHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 119410 | YKMFPEVK EKGMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 121154 | ASAARLT MMW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 118077 | QEMPLTA LLRNLGK MT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 122892 | RSILPYGDS MDRIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.007 | -0.002 | t | 117344 | PPGMRPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 117366 | RRREGPDR SPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 103830 | CHAVKVG NPSC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 117348 | PTRAPSGP RPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 31330 | KILPEVKEK HEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.071 | -0.073 | -0.08 | t | 120775 | LPKKTESH HKAKGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 140256 | KYEQGGNI ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 140256 | KYEQGGNI ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 137375 | AHHFSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.007 | 0 | t | 136745 | WGPCGQ GAILLVNC DRDNLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.033 | -0.039 | -0.04 | t | 21953 | GQRVEFLV QAWKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.016 | t | 70783 | VRLIRVTAS PSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.027 | -0.022 | t | 130994 | PDQRPYC WHYPPKP C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 75764 | YSIISSMKK HLSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.02 | -0.023 | -0.02 | t | 78240 | PHTSLYHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.04 | 0.04 | t | 141734 | RADESKTD PQTEA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.009 | -0.01 | t | 32387 | KMQQGN GRRGIRVV PS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 30246 | KDSPVGEI LTRSKYNQ NSK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.021 | 0.022 | t | 78153 | FDPQIQAI VSSPCHNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 101710 | HKHIDNPL ALLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.011 | -0.017 | -0.018 | t | 113757 | QHPVTNIS DT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 130716 | AAIRGPGV LAGGRSA GAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99677 | SPRGQHS RRERAGQ E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 111123 | ARTYNQN LIRHVGGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 129829 | RSGVSLAA LKKALAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 115424 | PQRDMPI QAFLLYQE PVLGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 106548 | IVYTPHPEY LWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0 | 0 | t | 119466 | IRGERA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140873 | KGVDAGK LGTVSYGE EKPAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 33366 | KSKFGYSA KDVRSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.037 | -0.031 | t | 121070 | WVYYTCC PDTPYL | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.002 | t | 135498 | SCKLPVKK ATVVQGE RVKIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.028 | 0.029 | 0.031 | t | 33198 | KRNEKWD EVYKYIVT NWL A | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.029 | 0.033 | t | 110862 | GGPTLVSL HELPAETP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.021 | -0.02 | t | 68587 | VFTLSAHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.033 | -0.03 | t | 65614 | TPIRHRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.033 | -0.03 | t | 65614 | TPIRHRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 11971 | EFDEMEEC PSHLPYIE QGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.054 | 0.061 | t | 138244 | SSTIANT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.03 | t | 133289 | PRSPKM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 142202 | KISEASRK GLRRDLDA SREA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.021 | -0.017 | t | 26132 | IFNSVFLDF SVSFWIRIP K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.021 | t | 136731 | VRVFQATR GKLSSKCS VVLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.011 | t | 47984 | PISLLFNEK EADDNDH EPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.069 | -0.07 | -0.072 | t | 142005 | SDFRRQN RRGGTNK RTT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.01 | t | 25309 | IAHQFKEK VLGLLQRA TQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 107747 | ASNTNYIT STLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.02 | 0.016 | t | 145921 | NPEIVYQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.028 | -0.031 | -0.03 | t | 61429 | SSVASLND LTPVGRLV TVNP | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.01 | t | 7021 | CSKPKNRT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.003 | 0 | t | 34135 | KVNFPHG MLDLEEIA ANSKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.014 | 0.01 | t | 96463 | KIKDPDAS KP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 73091 | WSPGQQR LHNST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.032 | -0.03 | -0.029 | t | 71004 | VSISPESDR PDLSTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.009 | t | 151715 | RIMNVIGE PIDERGPIK T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 158721 | DSGCAIDL QRRELKCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.019 | t | 104461 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.012 | t | 47651 | PGFMRGS RPSDPAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113777 | QQPAQGQ QGQQPG Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.013 | -0.023 | -0.02 | t | 123014 | AIMRYIAD K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.062 | 0.051 | 0.052 | t | 74139 | YHSTSSEG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.005 | 0.003 | 0.001 | t | 48125 | PKPQRKTK RNTNRRP QDVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 46026 | NSVGANA PNADTIAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 7064 | CSQNPLAE LKCSVKSE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.022 | -0.02 | t | 70673 | VQWMNR LIAFASRG NHVSPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 64642 | TKPTDGN CTCIPISS WAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.043 | -0.043 | -0.04 | t | 75659 | YRPLPGPT PPMRARL PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.022 | t | 79767 | AYSNCYPY DVPDYASL R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.034 | 0.02 | 0.02 | t | 59851 | SNIVFSDEI PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0 | 0.011 | 0.012 | t | 24522 | HPTTTYKA FDWDQAY RKPIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | 0 | 0 | t | 21841 | GPYAGPM ERQKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.017 | t | 23221 | GVYLLPRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.009 | -0.013 | -0.012 | t | 30141 | KDERFFSD KI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156865 | EQATCDH TNEWCAK MM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.034 | 0.029 | 0.031 | t | 47259 | PEDSALLE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 119468 | ISGKQVTG EVIFQTPLI K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 119467 | ISGKPGPP PMGFHSP LIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 104461 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 106770 | RER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 102510 | HHQKLVFF AEDVGSN K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 103839 | DAEFRHDS GYEVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 106771 | RERMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 106321 | DAEFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.008 | -0.01 | t | 21887 | GQICYGR DAYLCFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.017 | 0.019 | 0.02 | t | 72154 | VYRYDSRP PEDV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | 0.003 | 0 | t | 44606 | NKTKQNP NL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.027 | t | 133733 | VKTLLPYG SVINYGY VKPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.003 | t | 110859 | GEESRISLP LPNFSSLN LRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.042 | -0.038 | -0.05 | -0.05 | t | 14379 | ETFTCISAP WTCVTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 98827 | IILHQQQK QQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 103717 | VRRRHGLS SLGWNLC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.01 | t | 36734 | LITVNP | Homo sapiens |

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|---|------|---|---|------|--------|-------|--------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.017 | 0.01 | 0.009 | t | 133469 | YYNETKL KESYKVKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 51390 | QLKLDWF KKGSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.003 | -0.001 | 0.001 | t | 45598 | NQNSKYIN YRDLYIGE KFI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 139358 | VLKTDVNK E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 139324 | TRLIDERA AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0.002 | t | 67615 | VAGRKKLE ELERDLRK TK | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 64534 | TKDASIDY HE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0.002 | t | 63217 | TDQMEVD SGPRKRPL RGG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.002 | t | 63217 | TDQMEVD SGPRKRPL RGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0.002 | t | 60663 | SRGAPGG GFVPSLQG VP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.002 | t | 60663 | SRGAPGG GFVPSLQG VP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | -0.001 | 0.002 | t | 43242 | NANPNAN PNANP | Macaca fascicula ris |

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|---|------|---|---|------|--------|------|--------|-------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0.002 | t | 50977 | QGVPESPF SRTGEGLD | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 37055 | LKVIRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 42493 | MRQLDTN VER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.002 | t | 29852 | KALENKKK QLSAGGK NLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 20179 | GHRMAW DMM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 14435 | ETIYNTTLK Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.002 | t | 19269 | GEGAPPA KRARTDQ ME | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.001 | 0.002 | t | 29852 | KALENKKK QLSAGGK NLS | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 11571 | EEEDDDM GFGFLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 11819 | EENVEHD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 12307 | EGVQQEG AQQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.002 | t | 8119 | DEPAGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78355 | DCLSDVAG LQNDPTT WCW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.029 | -0.029 | t | 73594 | YDTRCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.019 | 0.001 | 0 | t | 17771 | FSLGPKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.003 | 0 | t | 29108 | ITTDNTFV SGNCDVVI G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 6918 | CRFPNITN SHVPILQE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 6429 | CILRQLRHL PSRVRYPH YS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 142166 | GLRRDLDA SREAKKQL EAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 81394 | EASGPTHS KEIPALT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.04 | -0.024 | -0.023 | t | 142695 | GSHSLRYF YTAVSRP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 7903 | DEAGTLAP TGMFIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 145951 | PVGPSDPS IVSLVEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139837 | NLSRAPF | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 149051 | GGQMRQ G | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.009 | 0.011 | t | 60013 | SPDDPAFR FAPYFTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.027 | -0.028 | t | 114290 | CYGNWFS NC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0.003 | t | 55671 | RRPFNIGI NNQQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 78107 | ATYQSEYL AHRRIPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 114579 | RKVVTDF KNIPQRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | -0.001 | 0.001 | t | 135790 | VVGGEDA K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 135580 | MDIPPPTG PT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.019 | -0.027 | -0.03 | t | 159084 | RYKYPET PRSLAKIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 117114 | WTRDNST RPIVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 21610 | GPEQLLFL RPEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 21610 | GPEQLLFL RPEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.041 | -0.04 | -0.039 | t | 60550 | SQSFRRLG AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.027 | -0.02 | -0.021 | t | 62675 | SYPNPVRV EAAWRILE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.018 | 0.02 | t | 36244 | LGPADSLE GQGWRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.007 | 0.01 | t | 55487 | RQSTPIGL GQALYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 11263 | ECSPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.018 | t | 48852 | PPPGRPPF FHPVGE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.001 | 0.01 | 0.02 | t | 31639 | KKND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.021 | 0.022 | t | 10057 | DRTAVTG ASYFTSVD QSSVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.02 | t | 132912 | VKAKVQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.056 | 0.049 | 0.05 | t | 48788 | PPGEFLQV SIQDTRNA VRAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.021 | -0.021 | t | 16551 | FLDLMRA VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79642 | SGTSHIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 108286 | ASKAKARP V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 137554 | QDRHQKI RRFRRGDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.007 | t | 136593 | RHYKQYQ FHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 122889 | RLDASFQE HPDLPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.013 | 0.011 | t | 56614 | RYPHYSLIK PESSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.009 | t | 158948 | LEARKAAD TFNFKTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0.003 | 0.001 | t | 115628 | LPCRISPGK NAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 95741 | QSAPLRVY VEEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.037 | 0.04 | t | 130563 | NIFEYQVD AQPL | Mus musculu s |

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|---|------|---|---|---|---|---|--------|---|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 146879 | EFRHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 157292 | GAIGLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 157147 | CSRTVKKN IIEEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 157127 | CFNLFLNS QEKHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 157178 | EASNCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 157463 | KKETLICS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 157917 | RTVKKNIE EN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 133822 | ERPLKQIA FNGGLEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 131261 | SHMPLAN QYQWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 131250 | NHVQAW EQFWDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 133787 | CQALVRM LAKKPGW K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 132099 | TLNELPNR T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 132067 | SLVLTNEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 131227 | KHYPEVGP NGFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 122452 | KTTKQSF LSVKAQYK KNKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 133841 | GRGNLDP GGGMEKD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 131038 | RKIAKDEG AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 130623 | TSDVEVNE KKERVTEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 133795 | DFTYDQV AFNGLPQF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 133776 | AGDLSKVD AKQPGDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 132504 | NNAIEPRS FSQNPPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 130608 | SIDLKDKYK NIGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 105041 | YEVHHQKL VFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 107087 | ARGLTGRP GDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 63098 | TCRRMLAF LKDKENR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.023 | -0.02 | t | 57209 | SDGYDHP PRTRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.004 | -0.003 | 0 | t | 97460 | LLIEQANH AIEKGEHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | -0.004 | -0.002 | t | 33440 | KSMKVTV AFNQFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | -0.004 | -0.002 | t | 33440 | KSMKVTV AFNQFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 142594 | DTYPAHTA NEVSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.06 | -0.06 | -0.058 | t | 97854 | ADYQAKLT AY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.047 | 0.037 | 0.029 | t | 118148 | SQEGRTTK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.042 | 0.037 | 0.03 | t | 122497 | NGSSESRR ALQDSQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | -0.006 | -0.002 | t | 46455 | NVPYKISA STNCATVK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.022 | 0.007 | 0.01 | t | 48663 | PNKPNND FHFEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.022 | 0.007 | 0.01 | t | 48663 | PNKPNND FHFEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.011 | -0.007 | -0.011 | t | 71350 | VTGTDLELI QILK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.02 | t | 118028 | MWGRAL RKAIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.01 | -0.012 | t | 139860 | PVQRGAW RWPVVTN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.03 | t | 96025 | YSMLVER DHKNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.003 | 0.012 | t | 131900 | GSSFLSPE HQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.037 | t | 116971 | FAVLKLM GRGTKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.006 | 0.009 | t | 122173 | QSIQQSIE RLWCRLW PLPFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.013 | t | 48084 | PKINRSAP EPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.026 | 0.03 | 0.031 | t | 7558 | DAKDGKEI DTKHLPT C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110057 | VMHEGLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 119517 | RKRTRHLE G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 103264 | HWLRPITP TFRPSWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.003 | t | 136569 | PYYRWQY KYD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 121827 | RVVPLLVA DPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 64978 | TLNKDQLL SSSKYTIQR STG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.009 | 0 | t | 27727 | INQQLNPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.019 | 0.01 | 0.008 | t | 79966 | PIFCNAKN QTEYRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.002 | t | 123357 | KFEEVKGD Y | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | 0.003 | 0 | t | 71952 | VWNNKTP NSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78355 | DCLSDVAG LQNDPTT WCW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.004 | 0 | 0.002 | t | 12138 | EGCNGDG TSYKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.002 | t | 12138 | EGCNGDG TSYKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.023 | -0.017 | -0.019 | t | 120711 | KQLATKAA RKSAPAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | 0.003 | 0.002 | t | 7945 | DESDSDSD GYPPNRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.009 | t | 63975 | TGTEKLIET YFSKNYQD YEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.009 | t | 63975 | TGTEKLIET YFSKNYQD YEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.016 | 0.012 | t | 60649 | SREQLNKL FGIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.008 | t | 74762 | YLLARGHD PAFVHMS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.011 | -0.023 | -0.02 | t | 35062 | LCKHSM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 118580 | RDRDRDR DRDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.001 | 0.004 | t | 48554 | PMGTQTH TMIFDNAF NC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.028 | 0.02 | 0.02 | t | 113000 | GIKQLQAR VLAVERY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.017 | -0.01 | -0.01 | t | 31813 | KLEEQNKI SEASRKGL RR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 140855 | GHDEAAY SKNRR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 127742 | MHSPSTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.022 | t | 136474 | LLDTSNLEL PEAVVFQ DSVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110869 | GQAEPDR AHYNIWTF CCKCD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.052 | -0.052 | -0.06 | -0.06 | t | 21527 | GNSRRGP RVVPSAPP ML | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0 | 0.001 | t | 119677 | WVYYTCC PDTPYLDIT YHF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.001 | t | 119677 | WVYYTCC PDTPYLDIT YHF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.012 | t | 140506 | THYGSLPQ KSQH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.016 | 0.029 | 0.033 | t | 75278 | YPEKAVLD EYDYRYNR PK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.022 | t | 125175 | NNNNFQS KAN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.009 | t | 64099 | THWQLGERPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 47669 | PGGPDRFTLLTPGSH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.023 | -0.02 | t | 106492 | GWVDHFADGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.01 | t | 156601 | ADEPNNLNSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 118189 | TYIKEQKGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.01 | t | 158944 | KVQVQGPWDEEDIKLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.047 | -0.05 | -0.05 | t | 141037 | IRTLKSGHK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.003 | 0.04 | 0.03 | 0.032 | t | 61824 | STPLLYPSLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.027 | 0.028 | t | 77924 | IYTSPTFPPTAH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.009 | t | 105485 | QKLVFFAEDVGSNK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.055 | 0.04 | 0.041 | t | 61549 | STDEPAGE SA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.055 | 0.04 | 0.041 | t | 61549 | STDEPAGE SA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.052 | -0.046 | -0.043 | t | 78197 | LNPWDQVKRNAVPITPTLNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156918 | MAITDHPGSAMV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 10781 | DVVSKLPLAVMG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.072 | 0.063 | 0.06 | t | 63793 | TGATVSSQ SF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 107354 | EWKGQVN VNPFDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.007 | -0.008 | t | 30710 | KFDRGYIS PY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.007 | 0.003 | 0.003 | t | 44221 | NIETVIEFQ QKNNRLLE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.033 | 0.02 | 0.018 | t | 8379 | DGEPPED DDSATGLA FRTPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.016 | -0.007 | 0 | t | 112759 | CSNNAITP GDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 130986 | NPIENMM DRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 37171 | LLDPSFDY FQLYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.003 | t | 105041 | YEVHHQKL VFF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.047 | -0.047 | t | 57620 | SESHNFDA VMSKLGV SWATR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0.003 | t | 132906 | SYSMEHFR WG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.01 | 0.01 | t | 48072 | PKGRTVII E Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.055 | 0.049 | 0.051 | t | 38673 | LPRETHFG SHSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.037 | 0.039 | t | 134048 | EQFRRMR AAEDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.043 | t | 156941 | PTEKKHV | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.009 | 0.01 | t | 110619 | GPVGPAG GPGFPGA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.017 | 0.021 | t | 78410 | GSCFEIKCT KPESCSGE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.023 | -0.02 | t | 135954 | LNTGWLA GLFYQHKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.029 | -0.031 | -0.03 | t | 10344 | DTGHHR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.009 | t | 131575 | NSDGSHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 156905 | KPGDPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | 0.002 | t | 49764 | PTRTIGGS QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110869 | GQAEPDR AHYNIVTF CCKCD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.004 | 0.007 | 0.011 | t | 105854 | GVTHDQL NNFRAGF VSYMKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.018 | -0.02 | -0.014 | t | 70897 | VSDFTDSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112846 | SWYARHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 95931 | TTNVAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.012 | 0.02 | 0.02 | 0.022 | t | 156933 | PLEKSHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 101546 | DLNPLDPL AQQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.02 | -0.02 | t | 17580 | FRELADAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.001 | 0 | t | 12253 | EGQRMAE ML | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.023 | 0.023 | 0.03 | t | 124588 | PQEETLQA FDSHYDYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 104049 | LPPKLLTEP TTEGDQH PGT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.022 | -0.029 | -0.028 | t | 8917 | DKLADYKR RM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.06 | 0.057 | 0.06 | t | 60270 | SPSSTKSSS PSSTKSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 6027 | CARSLATL FSPGARQ Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 13568 | ENPVVHFF ANIVTPRT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.034 | -0.029 | -0.029 | t | 3652 | APLTRGSC RKRNRSPE R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.003 | 0.01 | t | 132041 | RDTKAVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.019 | t | 142441 | LFSPWLRV QNHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 144793 | SYGGRKGT HPGLEMP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.042 | -0.04 | -0.038 | t | 55930 | RSQPRGR RQPIP | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.019 | t | 104461 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.013 | 0.012 | t | 21764 | GPRLTHSG DLHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.026 | 0.017 | 0.01 | t | 98374 | QLKPPQEE GEPLL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.026 | 0.017 | 0.01 | t | 98374 | QLKPPQEE GEPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 153261 | GRQPTPLS PPLRNTH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 103744 | YDREKLQE RLAKLAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.008 | 0.008 | t | 96503 | KSGTIFDN FL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.011 | -0.007 | -0.012 | t | 153820 | DTPTLHEY MLDLQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.02 | t | 134492 | QIQRSP M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.023 | 0.02 | t | 53274 | RCGRLICG LSTTAQYP PTRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.026 | -0.03 | t | 135988 | RTALLDAA GVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.02 | -0.021 | t | 72457 | WGEGKRA SHTTPVLM EKPY | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.023 | -0.02 | t | 50752 | QFEEQQR FRNCQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 47012 | PAYYTKDT NNNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.017 | 0.01 | 0.011 | t | 126667 | MDWNM HAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.008 | t | 127984 | FTNLKFKV RKITSSHR GN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.013 | -0.012 | t | 36083 | LGDYLIEQ GL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.041 | 0.041 | 0.04 | t | 78883 | VTPYWPP VQSIRSPG TPSMD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 48093 | PKKPNENK LKQPNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 9722 | DPPPPNP NDPPPPN PN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0 | 0.002 | t | 9757 | DPRVRGLY FPAGGSSS GTV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.003 | 0.001 | t | 30093 | KCTSDQDE QFIPKGCS K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.056 | 0.039 | 0.039 | t | 28733 | ISSTNEI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.048 | -0.049 | -0.047 | t | 78176 | HLP | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0 | 0 | t | 11560 | EEDQKARE | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.019 | t | 125004 | DAPDTDW CDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.006 | 0.01 | t | 118004 | LRLSHLKPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135753 | RVVGGED A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99560 | QEFLRYQQ QSRQSRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.003 | -0.013 | -0.01 | t | 116855 | WPVGGEH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.023 | -0.019 | t | 21723 | GPPAAGP PAAGPPA A | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.047 | -0.06 | -0.063 | t | 137941 | PFRSYTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.03 | 0.031 | t | 41175 | MAYGSDD NDDKNKS LDHKHN | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.032 | t | 141775 | VKELAFPG SSREVDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.034 | -0.04 | -0.041 | t | 3073 | AMDHEGC KFSCFIRP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.029 | 0.013 | 0.01 | t | 35662 | LEQPVSND LS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.013 | -0.018 | t | 108510 | KTMSAKEK SKFEDMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.041 | -0.04 | -0.04 | t | 38482 | LPFNWTH CFDPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 109332 | IHSMNSTI L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.012 | t | 123356 | KFEEVKEE Y | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.04 | -0.05 | -0.05 | t | 29229 | IVDIDFDSV P | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.023 | -0.028 | t | 122262 | ALRCRRISK EEYHLYKD GHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.023 | -0.028 | t | 122262 | ALRCRRISK EEYHLYKD GHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.009 | -0.01 | t | 20281 | GIGNIGDR NLGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | -0.001 | t | 120697 | KLLLDYTG KIWNPAD YGGIK | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.007 | -0.008 | t | 52188 | QRATQQQ AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.012 | t | 14697 | EVFTKKTK LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 118019 | MGRGAPP PGMMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 128079 | PSPDITSTT KTRNFDLV NCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 128079 | PSPDITSTT KTRNFDLV NCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | -0.002 | -0.003 | t | 98974 | QTMKGLD IQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 133705 | SSKTRSG VHLVGPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.053 | 0.06 | t | 121813 | RRHKSAPS S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.003 | t | 144678 | GTQPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 142485 | YNIYSEKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.029 | t | 53866 | RGFRKEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.009 | -0.011 | t | 52417 | QSQQQGN SRRGPRVV P | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.028 | t | 106377 | EEMRHVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.06 | t | 132794 | DRLYAQYP VPTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.01 | t | 118556 | PPPGMIPP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.034 | 0.027 | 0.029 | t | 44051 | NGPQEIYI QQGNGIF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.011 | -0.01 | t | 42957 | MVKSHIGS WILVLFVA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.039 | 0.04 | t | 149473 | SQPQQPIS QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.019 | 0.021 | t | 4149 | ARGSLAVT I | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.062 | -0.07 | -0.07 | t | 56937 | SAPPTRVR R | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.03 | -0.041 | -0.04 | t | 10344 | DTGHHR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.004 | 0.01 | t | 144763 | RIEDPPFN SLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.005 | -0.01 | -0.01 | t | 7100 | CSVTCGVG VRVRSRV NA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.005 | -0.01 | -0.01 | t | 7100 | CSVTCGVG VRVRSRV NA | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.011 | -0.01 | t | 22042 | GRGDKQI NHHWHK A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.011 | 0.007 | 0.011 | t | 99224 | ERDPYSPS QDPYSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.056 | 0.06 | 0.062 | t | 138753 | AAHAEINE AGREVG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 131087 | SSPPCE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.002 | t | 131087 | SSPPCE | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | 0 | 0 | t | 21840 | GPYAGPLE RQKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.002 | t | 54850 | RMAILG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.047 | -0.05 | -0.05 | t | 99048 | VRRYTARL KEGDVFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.01 | t | 52818 | QVWPSSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.032 | t | 41183 | MCAVRDP AFSRRLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.02 | t | 94644 | PNKKPGKK TTTKPTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.053 | -0.059 | -0.06 | t | 133789 | CYRSPWR C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 140592 | PYHQLTH GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 140592 | PYHQLTH GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 122206 | VISRSRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 104746 | DANKPYS WRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.027 | 0.03 | t | 47209 | PDTAKEKP QEGTVVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.027 | 0.03 | t | 47209 | PDTAKEKP QEGTVVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.017 | t | 130916 | KEDFDIYD EDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.068 | -0.071 | -0.07 | t | 46899 | PAPRRKFQ QVKRL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.016 | -0.01 | t | 27462 | IMDINKRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 137744 | DTPLTRQALKLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.017 | -0.02 | t | 38397 | LPAHGPSLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.007 | -0.01 | t | 1367 | AFNQFGPNAGQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | t | 108313 | DHHSDNYTVDHDRVHIQA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.03 | t | 5970 | CADSWGLDLRC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.008 | t | 45673 | NRFAGMFSLGARQKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.058 | -0.06 | -0.06 | t | 60260 | SPSLPITMRFPARWRF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.036 | -0.038 | t | 117829 | EKVKRTKDELEVIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 58405 | SHRLLQTYWSSA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.065 | -0.07 | -0.063 | t | 115910 | PYPYYAKPAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0 | -0.011 | -0.011 | t | 42791 | MTDVVFYRYSNNYEQPHIS | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.029 | 0.02 | 0.02 | t | 120525 | FDEQNCSMKLG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.009 | 0.01 | t | 138079 | VSDQAVSLGQNV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 97340 | GIFGAIAGFIENGW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.007 | 0.011 | t | 11253 | ECKETVPMNCSSYA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79347 | QCNAREW SANYICR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 111398 | HLVCRPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.029 | -0.03 | t | 110965 | PNNNKILV PKVSGQLQY RVFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 95048 | VIFQTPLIK NPDVKSAI EG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.012 | t | 99948 | DLISEVAQ GALTLS | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.037 | -0.041 | -0.039 | t | 61612 | STFYGKPT GAGPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.021 | t | 47925 | PILQERPPL ENR | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.02 | t | 115601 | DPFYWVS PGVLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.013 | -0.012 | t | 106008 | PREQARQ LKNNNPFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 142410 | EAPNSSRH HLRNGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 119520 | RRKLRTNA G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 149429 | QLWQIPE QSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 34744 | LAEQFKQK ALGLLQQA SKQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.039 | 0.041 | 0.042 | t | 32273 | KLYTSVEN AQQDKGI AIPHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.011 | t | 16101 | FHENWPS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.002 | 0.013 | 0.015 | t | 26842 | IKLNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 95514 | KPWIQPKT KV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 111548 | MHQTTAQ PLRSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 144252 | EIINVGHSE HVNFEEDN DNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.023 | t | 125245 | RRLDQYQ IHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.037 | -0.04 | t | 125793 | CSFWSKYI SSLKTSAD GAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.061 | 0.05 | 0.05 | 0.052 | t | 134161 | MGSASGH FTDFE | Rattus rattus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.03 | t | 49110 | PQQSFPQ PQH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.013 | 0.012 | t | 114924 | QDENPVV HFFKNIV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.01 | -0.01 | t | 120393 | AEERLLKRL FSGYNK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.01 | t | 38754 | LPVGYHGR AS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.038 | t | 149334 | HNIFNPPII AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 135950 | LLCLLLSS RPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 142007 | SDWRFLR GYHQYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 122746 | EEQEDEIIG FGQELKN | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 117520 | GSFSDADL AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 132045 | RMATPLL MRPMSM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 131956 | LPKSAKPV SQMRMA TPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 117506 | GGAHFSVS SLAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 122861 | NALNSPLH QEYEENL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 124471 | LQAFDSHY DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 76586 | YYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 76586 | YYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 76491 | YYDGRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 48557 | PMIHFGN DWEDRYR REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 102071 | SLQPDRS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 107355 | EYGFDTSD YYYYY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.02 | t | 30409 | KEGRFKSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.003 | 0 | t | 1575 | AGKKESTV MTSGSA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.009 | 0.01 | t | 70946 | VSGDPRG RYEDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.052 | -0.05 | -0.049 | t | 120319 | WTPPAIFK SYCEIIVTH FPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.035 | 0.03 | 0.03 | t | 38203 | LNEKEIKDL YDNQSNS GIL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.014 | 0.018 | t | 33440 | KSMKVTV AFNQFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.007 | -0.008 | t | 98906 | MLVQHLL DRDLRVEI PGVDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 100508 | SGYEVHH QKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.019 | -0.019 | t | 48905 | PPRRRAGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.029 | -0.04 | -0.042 | t | 111682 | QNFGFLFYP NKQPVYQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.009 | t | 97480 | LTEVETPIR N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.009 | -0.009 | t | 4071 | AQSRNVR TFTGLFTS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.013 | -0.01 | t | 329 | AANKYKTF VATFGAAS NKAF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.009 | -0.02 | -0.02 | t | 54918 | RMLNILN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.01 | t | 66705 | TTLPALST GLIHLHQ IVDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0 | t | 94616 | NPAC | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.02 | -0.018 | t | 130339 | WRPWSE Q | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.01 | t | 91816 | QCYYKASD GALFPLEV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 140595 | RHEDGDW PRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 141037 | IRTLKSGH K | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | -0.026 | -0.02 | -0.02 | t | 19266 | GEFPRHVK LKNEIENLL DQV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.01 | t | 121915 | TKQEPMFL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.017 | -0.009 | t | 110864 | GLKAKPKL KRAAPTST RTSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.019 | -0.017 | -0.009 | t | 110864 | GLKAKPKL KRAAPTST RTSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 97771 | WYGYHHS N | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.068 | -0.06 | -0.058 | t | 103144 | EMPENYA KTRIINRKK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.032 | 0.031 | 0.03 | t | 44088 | NGTPSELG GTNPVPAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.021 | -0.019 | t | 68833 | VHASFFDI G | Homo sapiens |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.002 | 0.01 | t | 132041 | RDTKAVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 109767 | QPLKEQPALNDSRYCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.003 | 0.011 | t | 140674 | ESQPDPKPDELHKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.046 | 0.033 | 0.028 | t | 1731 | AGYCNTECTLKKGSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.046 | 0.033 | 0.028 | t | 1731 | AGYCNTECTLKKGSS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.02 | 0.03 | t | 117411 | YLWSAFTP PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 140940 | YRQKVEPLRAEL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.007 | 0.007 | t | 26341 | IGVNQELAYFYPELFRQFYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 58229 | SGSGANNSSSHFQSIYN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.02 | -0.022 | t | 139860 | PVQRGAWRWPVVNTNE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.018 | 0.002 | -0.001 | t | 98922 | PAPQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.003 | -0.01 | t | 141787 | YLEERRVKEVVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.013 | 0.019 | 0.02 | t | 79031 | NSNGCVYSESFGLGGIGVLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.002 | 0 | t | 135935 | IEQGWGSPKVTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.013 | 0.009 | t | 20797 | GLDHILSLADIEEQMIQSV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.01 | t | 15510 | FEDVNGIR KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.063 | 0.049 | 0.046 | t | 141859 | ASSNSAQ GSDSLIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107566 | PQVKFNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 130759 | CRQSRKRP C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 117909 | HKGFKGV D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.014 | 0.01 | 0.01 | t | 6559 | CLFKDWEE LGEEIRLKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.033 | 0.03 | 0.029 | t | 136071 | LLYGEVGD TLLIIFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.005 | -0.009 | -0.01 | t | 74580 | YLCHARAI DTTCIWPE PCFD | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78398 | GLKNDSA VLVYLVGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 133718 | TRDVNGKL FLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 11813 | EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.085 | 0.08 | 0.081 | t | 133671 | QVLTANPS SQSSP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.039 | -0.043 | t | 103116 | DSIYYVDA NASIQEM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103425 | MTAHTHD GTRTWRT G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.021 | t | 921 | AEGEFCS PDSPGVC GDPAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.039 | t | 6940 | CRQTRTM PGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | 0.002 | t | 56610 | RYPGQGS PGGNRY PQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.007 | t | 119671 | WLNGKEY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.04 | -0.04 | -0.04 | t | 46349 | NVDENAN AN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 140479 | KHGLLSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 150108 | AGGTGTE DSHPPYKQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 150616 | TEDSHPPY KQTQPGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 156905 | KPGDPRQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 119187 | GNAEVHA SFFDIGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 127986 | FVGVGAD YRHASCPI DYIIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 127984 | FTNLKFKV RKITSSHR GN | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 128084 | QKNACSF DLCNSYDVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 127919 | AFSLPDRS LSAIPFDV SFE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 128004 | GMIEVQS NYGFVWD VSLKKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 106634 | LVGPRGER GFP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 104327 | VEQHNPIN AGTELSAT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 102510 | HHQKLVFF AEDVGSN K | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 110198 | CPPDIIPKV EGKTIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 111486 | LIEESAIINA GAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 63037 | TAVSPTTL R | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 67373 | TYKADGET ATEKT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 66108 | TRTNPWP ALAEGEF | unidentif ied |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.002 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 69178 | VKAETRLN PDLQPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 61589 | STEQNPV DPQVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 61945 | STTNKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.002 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 95058 | AGLQND | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 64985 | TLNPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 61945 | STTNKDK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 64985 | TLNPTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 65535 | TPDNNQT SPARR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.002 | t | 97484 | LVEETSFID AGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.002 | t | 61945 | STTNKDK | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 61945 | STTNKDK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 74497 | YKQKIAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.002 | t | 91165 | CCELCCNP ACAGCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 97484 | LVEETSFID AGAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.002 | t | 72320 | WDMMM NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.002 | t | 61589 | STEQNVP DPQVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 66841 | TTTCFRDT DTGK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 39092 | LRGDLQVL AQKVARTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0.002 | t | 54058 | RHKQKIVA PVKQTL | Ovis aries |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0.002 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0.002 | t | 47063 | PDCAICWE PSPPWAP E | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 57306 | SDVEGLQ NDP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 58582 | SIKEDVQF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.002 | t | 56657 | RYSRNAV NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 38919 | LQNDPTT NVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 51371 | QLINTNGS WHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0.002 | t | 46094 | NTFYCCEL CCNPACA GCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0.002 | t | 51286 | QLAKDKV NE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 49772 | PTSGDKID MTPRAGV LMLE | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 55951 | RSRSES | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.002 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 43233 | NANP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 46094 | NTFYCCEL CCNPACAGCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0 | 0.002 | t | 46094 | NTFYCCEL CCNPACAGCY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 51390 | QLKLDWF KKGSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0.002 | t | 46094 | NTFYCCEL CCNPACAGCY | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | 0 | 0.002 | t | 57766 | SFFSYGEI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 51775 | QNTRNIVP VSIVSR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.002 | t | 56657 | RYSRNAV NV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 57306 | SDVEGLQ NDP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 28075 | IPSTAFTDI AWVRLPN HY | Rattus norvegicus |

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|---|------|---|---|---|--------|---|---|-------|---|-------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 11819 | EENVEHDA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 11821 | EENVEHDAEENVEHDA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 17408 | FPSPYYSPAFTKGEKVDL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 22359 | GSGVRGDFGSLAPRVARQL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 22360 | GSGVRGDFGSLAPRVARQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 23975 | HHAEMQNPVYLIPETVPYIK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 14670 | EVDNEQPTTRAQKLF A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 23269 | GWLAGLFYQHKF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 10801 | DWEDRYRE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 19983 | GGQPAVRNER | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 35329 | LDVTTLNPTI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 22360 | GSGVRGDFGSLAPRVARQL | Mus musculus |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.002 | t | 21553 | GNVNYKY RYLRHGKL RPFER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 15990 | FGGVSD DVPSFHK PPSSR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 21928 | GQPAVRN ERATGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 21553 | GNVNYKY RYLRHGKL RPFER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 34965 | LASLRKAF ADTVVPRP PSNY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 9557 | DNTVRET | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 9557 | DNTVRET | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 7461 | DAADL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 922 | AEGEFDYA WDQTHQ DPAK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 9106 | DLGSIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 3245 | ANDVDNS NPVVQAE QLNWL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 9524 | DNPASTT NKDK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 9524 | DNPASTT NKDK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.017 | -0.018 | t | 54967 | RMYVGGV EHRLEAAC NWTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.05 | -0.05 | t | 133527 | AYIGLKDR KRPSELRRI AS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.02 | -0.03 | -0.03 | t | 48099 | PKLAAAVL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.02 | -0.02 | -0.02 | t | 153818 | DSTLRLCV QSTHVDIR | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.021 | -0.02 | t | 65936 | TQSLAGLF RPGASQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.001 | 0 | t | 109245 | GSAGAPGI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.01 | 0.011 | t | 95030 | KRASKEKQ ENKIFADDI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.007 | -0.007 | t | 50824 | QFYQLDAY PSGAWYY VPL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.056 | -0.057 | -0.058 | t | 22806 | GTRTIASP KGPVIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.042 | -0.043 | -0.038 | t | 35659 | LEQLRLKK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.015 | 0.02 | 0.022 | t | 60721 | SRKSYKKM LKEMGEV APEYR | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.006 | 0.017 | 0.02 | 0.02 | t | 19482 | GEYGGVIK DGTPGGA | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.04 | 0.04 | t | 120268 | VEFTFAVD NDGKTIN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140459 | EHWSHD MFSPGD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140459 | EHWSHD MFSPGD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140459 | EHWSHD MFSPGD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.059 | 0.04 | 0.037 | t | 114359 | GGRGRDV NGFEETIC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.001 | -0.001 | 0 | t | 39199 | LRRTQSM GIQLDQR | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.002 | 0.011 | 0.012 | t | 67139 | TVSAGDG RGTPIAFQ AEVSK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.035 | -0.046 | -0.051 | t | 142431 | KKAEAEAKK IVDKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 144664 | GREGYP A DGGGLPD SVKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0 | 0 | 0.002 | t | 156894 | KAGDPRT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 51948 | QPRDANG FAATL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0.003 | 0 | t | 74684 | YLGTGPEA SLPYGANK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.018 | 0.001 | -0.001 | t | 12988 | ELDKWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.003 | 0.001 | t | 123849 | WQDE | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.06 | -0.061 | t | 139951 | WWKPAHL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.047 | 0.037 | 0.037 | t | 105086 | AGESHGPDQGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.029 | 0.03 | t | 102155 | TRQPDRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 77782 | GRVSARGCTFVACWKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.007 | 0.011 | t | 94838 | GTSSCRLVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 125789 | CQGDGYRVGFGQCA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.01 | 0.01 | 0.01 | t | 63824 | TGFSKHNNMGSSQKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 101546 | DLNPLDPLAQQS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.008 | 0.007 | t | 98953 | QEPDDLKQKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.042 | -0.04 | -0.041 | t | 153269 | LSPPLRNTHPQAMQW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.051 | t | 125015 | DNESSYSRGFDMTYTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.031 | -0.029 | t | 136569 | PYYRWQYKYD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.017 | -0.011 | -0.012 | t | 1047 | AELKSALQSCSAEPLDDH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.009 | t | 29812 | KAGSTVYAVTAVTSIFSVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.061 | -0.059 | t | 151023 | LCKLRGVAPLHLGKC | Mus musculus |

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|---|------|---|---|-------|-------|--------|--------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.009 | 0.01 | t | 74497 | YKQKIIAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 145629 | VVPKYWWSAELP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.008 | -0.01 | t | 135984 | RPGGCSA VSAHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.014 | 0.02 | t | 158694 | ASGFIEVEE LKLFLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.031 | 0.037 | 0.033 | t | 118776 | EADYFEYH QEGGPDG EPDVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.007 | -0.01 | t | 42599 | MSLQFIGL QRRDVVA LVNFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.019 | 0.02 | t | 22028 | GRFDEAM QDQIRQLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.022 | 0.019 | 0.02 | t | 22028 | GRFDEAM QDQIRQLE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.033 | 0.023 | 0.019 | t | 115069 | KEVDRLM S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.01 | 0.011 | t | 138029 | SASGSDVSLTA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123131 | EHLYGRNDR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0.006 | 0 | t | 57508 | SEKTIWSLI AWQRSNA EFEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.01 | t | 121812 | RRATQLAH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 135991 | SEKKISSIQ SIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.03 | t | 48920 | PPSPEAHV PPPVEPT TTQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.009 | -0.004 | t | 8825 | DIYHSLSR AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.041 | -0.037 | -0.039 | t | 38482 | LPFNWTH CFDPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 118131 | SEESDDD MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.011 | 0.02 | t | 135647 | DAKPGQF P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 133724 | TVCAGYC MTRDVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.02 | t | 91775 | NTLWTGP KPEANCII | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.056 | 0.043 | 0.039 | t | 61068 | SSHLQLIY NLTLCELN G | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.025 | -0.031 | -0.03 | t | 61536 | STCEGNLA CLSLSK | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 159084 | RYKYPET PRSLAKIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.003 | 0.003 | 0 | t | 17457 | FQAEVGP NNTRSIRK FNTMQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.023 | 0.022 | t | 31555 | KKGSSGYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.01 | t | 7682 | DAWREGE EFVVEFDL PGIKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.013 | 0.01 | t | 7682 | DAWREGE EFVVEFDL PGIKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.007 | -0.011 | -0.009 | t | 103460 | PATVINGQ FVERCWT H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.019 | t | 131058 | SATTANPS CPEGT | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.023 | 0.022 | t | 16448 | FKQKALGL LQTSTKQA EAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.029 | -0.03 | t | 70086 | VNHIHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.024 | -0.029 | -0.032 | t | 122781 | GQVRRPE MGDQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.04 | t | 111231 | EDLLMGTL GIVCPICSQ KP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.021 | -0.018 | t | 51804 | QPEKGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 104905 | MVGGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0 | t | 118431 | ISDAMKKV GRKGVITV KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 133539 | CYKPGEW AC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.063 | 0.043 | 0.05 | t | 102879 | VDDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.018 | t | 106483 | GSRSRTPS LPTPTRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.023 | -0.02 | t | 141705 | LSPGDVLV IPAGHPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.043 | t | 159298 | SNSWF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | -0.002 | t | 112982 | FTTVVADT GDFHAID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.011 | 0.01 | t | 45151 | NNKSQSVI IINNSTNV V | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0 | -0.01 | -0.01 | t | 111308 | GDTGPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 156900 | KLGDPRIA TTLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.028 | t | 78661 | GFADLMG YIPLVGAPL G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.042 | -0.04 | -0.04 | t | 5992 | CAKKVWR DHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.007 | 0 | t | 145175 | EQDRKPR N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 18363 | FWRGDLV FDFQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.007 | 0.011 | t | 11411 | EDPASR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.036 | -0.03 | -0.03 | t | 86469 | MQTRHVK NYHSRSES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.032 | t | 68185 | VEFTKDTQ TGMSGQT ASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 58057 | SGGSVASG GSGNSRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.008 | t | 140935 | YGEEKPAV LGHDEAAY SKNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 45251 | NNSSNIAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.011 | t | 25146 | HWYISKPQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.034 | 0.027 | 0.029 | t | 158943 | KVIDQDAS GFIEVEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.021 | -0.019 | t | 135793 | WGEECA MK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.009 | t | 108296 | CKYAWSR C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.04 | 0.029 | 0.032 | t | 135350 | VGVTTETPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 66028 | TRGHFLQ NR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.012 | -0.019 | -0.02 | t | 69292 | VKPPNPRP TMSLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.048 | -0.049 | -0.05 | t | 22110 | GRKPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.002 | t | 141758 | SWRNNILR TQES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.037 | 0.04 | t | 37876 | LLTTNTTG NPEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.019 | 0.02 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.019 | 0.02 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.019 | 0.02 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.014 | 0.02 | t | 138189 | HILGSTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 108565 | PDHLPRH VS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.027 | -0.021 | t | 135452 | CLKDRHDF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.039 | -0.037 | -0.032 | t | 109785 | RAHYNIVT FCKCDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | 0.003 | 0 | t | 158925 | KSCTWPET HTLWGDG V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.046 | -0.043 | -0.04 | t | 44168 | NHSQTPR YRRPKFP WFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.032 | -0.03 | -0.03 | t | 31554 | KKGSSGYC AWPACYC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.032 | -0.03 | -0.03 | t | 31554 | KKGSSGYC AWPACYC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.029 | -0.03 | t | 570 | ACKRGPGS GFFSRLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.024 | -0.037 | -0.04 | t | 142224 | LLDTKGGL YRWRSVP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78397 | GLKNSA VLVLVGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.042 | t | 132848 | KKEDFDIY DEDENQS PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 122861 | NALNSPLH QEYEENL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 126201 | GYKEKSKF QDTHNNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 122842 | LLDLPRDL GGMGCSS PPCE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.007 | -0.001 | t | 118058 | PPPGIRGP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 143328 | DEGDTDLYDYYPEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 143328 | DEGDTDLYDYYPEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.041 | -0.039 | -0.038 | t | 41461 | MEVTPSGTWLTYHGAIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0.009 | 0 | 0 | t | 27946 | IPLVGAPLGG | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 10108 | DSERLIGDAAKNQVAMNPHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0.003 | -0.001 | t | 2005 | AILSSLTVTQLLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.009 | t | 23125 | GVRLLSGVFSDPAFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.009 | -0.01 | t | 11441 | EDSITIPYQGSKGKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 142447 | NKYRGTAGNALMDGASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 136420 | KIHAREIFDSRGNPTEVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.004 | 0 | t | 118549 | PEPAKSAPAPKKGSKKAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.004 | 0 | t | 125462 | KLPLSLSFHLTRADLSYPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.004 | 0 | t | 118550 | PEPAKSAPAPKKGSKKAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 115056 | GLSLSRFSWGAEGQRPFGF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 24909 | HTFDDFCP ECRPLGLQ GC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 130460 | CSSSQDG HQWTLCA AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | 0.007 | 0.003 | t | 102974 | YVVKSFDR STKVIDFH YPNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 140489 | MSQDGHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.04 | t | 67615 | VAGRKKLE ELERDLRK TK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.027 | t | 131933 | KLLRDSHV L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.027 | -0.028 | t | 72494 | WGPNDPR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 53634 | RESQAYYQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.002 | t | 118504 | LSEDRRQV RLGDTQQ S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | 0.003 | 0.002 | t | 125118 | KVAAEQSL ITVEGDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 114339 | FNRQUESTL VRSRPSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.009 | 0.01 | t | 18051 | FTPSPVVV GTTDRSGV PTYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.02 | 0.02 | t | 6763 | CPFLKQNE PEDIDCW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 151816 | CLTSQAAK QRLE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.012 | t | 103996 | ITMWDF | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.08 | 0.063 | 0.06 | t | 141611 | CETNTGEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.03 | -0.033 | -0.038 | t | 136304 | GARGLTG RPGDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.032 | t | 140906 | TPEYNIAL GQRRADA VKGYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.02 | t | 131106 | TGLE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.03 | 0.04 | t | 117409 | YLQTPMT VH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 78873 | VKFPGGG QIVGGVYL LPRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 60170 | SPNVSVPS SSSTPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 55174 | RPIDDFDQ GWGPITY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 58073 | SGHMAW DMMNWS PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 50102 | PYIEQGM ML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.022 | t | 89658 | TQEENTER HTTEDVSP S | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | 0 | t | 70878 | VSALEDKL AD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | 0 | t | 47077 | PDDVNKN TLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | 0 | t | 4226 | ARQQTVS ALE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | 0 | t | 5310 | AVEVDPD DVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | 0 | t | 4219 | ARQKLKD AER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.03 | 0.017 | 0.02 | t | 66759 | TTPDRQA AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.023 | 0.023 | t | 117742 | AKAQTDR EDLRTLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.033 | 0.03 | t | 6482 | CKGTHGG TGAGAGA GGAGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 112174 | IWWNDN K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 112194 | LAHIWWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 103283 | IRGSVTPA VSQFNAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.02 | t | 66860 | TTTKGENF TETDVKM MERVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.061 | -0.061 | -0.058 | t | 99745 | VCLAPDRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.02 | t | 136003 | TRKDINTV TTVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 28910 | ITGHRMA WDMMLN WS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.024 | 0.028 | t | 55575 | RRGMEPH MSECCEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79365 | RCYNPAE WAEPLCY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.009 | -0.012 | t | 40104 | LTPKELD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | -0.001 | t | 141566 | SSIVIPAAV GIKLVNTE DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 140606 | TMWDALE AP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 125478 | LHQYEEN LGDSIVGY KEKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.018 | -0.019 | -0.018 | t | 96409 | INDMPITN DQKKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.042 | -0.039 | -0.039 | t | 122162 | PIPVPIIIP FPGWQPG MPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.017 | -0.027 | -0.03 | t | 138840 | DREQAPN LVYM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.019 | t | 132767 | YRDKSYPS PFWCHRT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.04 | t | 18893 | GCPLPSTK APPIPPPR RK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.021 | -0.01 | -0.007 | t | 95130 | PGIFKSSCY IDVRWFPP DVQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.014 | -0.02 | t | 75203 | YNPLYGSR LGVPDTLG GDPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.007 | 0.008 | t | 70663 | VQVVGDE GRSVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 117114 | WTRDNST RPIVR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.012 | t | 38973 | LQRFNQRS PQLQNL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.01 | -0.009 | t | 21254 | GMDGTQL DRW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.02 | t | 145369 | MWCKIGH DRCEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.03 | t | 136134 | ANGWGV MVSHRSG ETEDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.057 | -0.05 | -0.048 | t | 127896 | WVPFHSTL SREQ | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 134411 | IPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 123001 | AASEDPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 131654 | SGFGVVKK PNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 119467 | ISGKPGPP PMGFHSP LIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 120498 | ELMFEEQK DRHGLKR VNKMT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 132856 | LEDGRTLS DYNIQKES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 132802 | ESTLHLVLR LR | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|-------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 120629 | IMIKAE EYI LKKPRSEL MFE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 117451 | DDGFFYIP KD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.002 | t | 105201 | FVNQHLCY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 100378 | PGSGFWS FGSE DGSG DSEN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | 0 | 0.002 | t | 105202 | FVNQHLYK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 105202 | FVNQHLYK | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 48093 | PKKPENK LKQPNE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 43242 | NANPNAN PNANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 48093 | PKKPENK LKQPNE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 48093 | PKKPENK LKQPNE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 40729 | LYDAAKAY AEQLKEN GVINY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 51438 | QLSSSKYT IQRSTGDN IDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 11815 | EENVEENV EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 36166 | LGIMGEYR GTPRNQD LYDAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 21933 | GQPQAQG DGANA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.027 | -0.03 | t | 46473 | NVSAIFMA VLLTLQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 156925 | NLVADFPR PLLS | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156959 | SLHTTQR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 106992 | WGGHWR GANA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | -0.001 | t | 46317 | NTW TTCQ SIAFPSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.001 | 0.001 | t | 66687 | TTL DTHPL RTLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.05 | 0.043 | 0.051 | t | 134795 | SFGAYGA QEEAQC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.023 | -0.019 | t | 60751 | SRNWLPG PCY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.016 | 0.013 | 0.012 | t | 67086 | TVMTSGS AL TSAIA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.051 | t | 125015 | DNESSYSR GFD MTYT E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 140839 | DERGTPEY NIALGQRR ADAV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.013 | t | 110947 | MSTRSVSS SSYRRMFG GPGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79387 | SCTSPVSQ GTQPCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 129060 | KEIKKVAT PKKASKPK K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 22134 | GRLITVNPI VT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 111088 | ACQKHTP PAPKEDDP LK KYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.044 | -0.04 | t | 135942 | KDVKFGA DARAL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.019 | -0.018 | t | 40310 | LVDWLRQ YA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 54992 | RNGHNVS TRGRIPAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.022 | t | 108844 | DAGVIQSP RHEVTEM G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.022 | -0.033 | -0.032 | t | 157741 | PHYSNAP QLVYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 127671 | GPDRSPR QPPVLPAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.014 | -0.021 | -0.022 | t | 7675 | DAVTPLRI FIVPPAA EYEQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.001 | 0 | t | 62908 | TALGKLQD VVNQNAQ AL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135503 | VGIPGGVV GAGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 107567 | PREQQYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.019 | -0.013 | -0.01 | -0.01 | t | 72485 | WGNCGCL FGKGSIDT CAKFA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 112381 | VGWIRQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.033 | -0.032 | t | 105975 | NGIETICT ASFKKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 78707 | KLRERLKQ R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.008 | t | 143 | AAGAGPR VRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.01 | t | 7938 | DEDKLDTN SVYEPYYH SDHA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 7938 | DEDKLDTN SVYEPYYH SDHA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 134136 | LKTPRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 134112 | KDKATF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.007 | 0 | 0 | t | 116001 | TQDQDPV VHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 116001 | TQDQDPV VHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 20088 | GGWGQP HGGGWG QG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 117231 | RQIFGDYK TTICGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.011 | -0.01 | t | 7867 | DDRRAGF GSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.008 | t | 55951 | RSRSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 55951 | RSRSES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 72119 | VYNQGRGI DSGERLM QPTQM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.043 | -0.05 | -0.051 | t | 131654 | SGFGVVKK PNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.027 | -0.037 | -0.039 | t | 115096 | PPSLLFLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 137924 | LQLLVVGC GSSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.001 | 0.002 | t | 70205 | VNTWKS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|---------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.011 | 0.009 | t | 79041 | PKARQPE GRAWAQPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.014 | -0.012 | t | 117594 | NWHQLH GKKEAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 111557 | MPLSQNV APFRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.034 | 0.04 | t | 118505 | LSEKKISSI QSIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.014 | -0.01 | t | 70266 | VPDGFKVS NS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.003 | 0.01 | 0.011 | t | 45003 | NMLYKDD FVGALIFSGAVI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.003 | 0.01 | 0.011 | t | 45003 | NMLYKDD FVGALIFSGAVI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.003 | 0.01 | 0.011 | t | 45003 | NMLYKDD FVGALIFSGAVI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.049 | -0.05 | t | 75149 | YNGANGA MKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 131884 | GDYNRTV GKGPGSRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 149085 | NPTQIRR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.017 | -0.019 | -0.017 | t | 62141 | SVGHMTG RFTSLFSVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.004 | -0.01 | -0.01 | t | 47248 | PEDDWAS DYDLAQA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 103963 | GWWSALY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.028 | 0.013 | 0.019 | t | 112316 | SIKNPTNA K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.009 | 0.012 | t | 40110 | LTPLEELY | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.051 | -0.047 | -0.04 | t | 138215 | PPVANDT RIVMGRLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.021 | 0.019 | 0.021 | t | 33151 | KRHFLSQR Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.013 | t | 48084 | PKINRSAP EPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.013 | t | 48084 | PKINRSAP EPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.001 | 0.002 | t | 146185 | DAEFGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.027 | -0.027 | t | 114282 | CNYSVAHL C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.027 | -0.027 | t | 114282 | CNYSVAHL C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.017 | 0.02 | t | 117346 | PSALLRQF TTAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.02 | -0.019 | t | 9595 | DPALLLM HELIHVLH GLYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.019 | 0.003 | 0 | t | 640 | ADCTLWF CPQTSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.011 | t | 25146 | HWYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.023 | t | 122771 | GELTSSEV ATEVPFRL MHPQ | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | -0.002 | t | 44904 | NLTQHPSA PTMP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.001 | -0.01 | -0.01 | t | 45631 | NQTARDEI RRA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.007 | 0.01 | t | 3221 | ANAANE DYQAKLTA YQTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.008 | -0.01 | t | 70273 | VPDREVL YREFDEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.007 | -0.008 | t | 115529 | TYNFAVL KLMGRGTF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.003 | t | 21815 | GPVEDAIT AAIGRVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 135545 | DVFYPYP YASGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.061 | -0.069 | -0.07 | t | 73147 | WTMKIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.018 | -0.01 | -0.008 | t | 110841 | EVTPAIK SEVSL | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.003 | t | 50180 | PYVEPTA PQVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.027 | 0.019 | 0.017 | t | 142442 | LKGDDSA GEQEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | -0.003 | 0 | t | 51967 | QPSKPTT KQRQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.009 | t | 130805 | ELNPEPD TEVFPMTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107621 | SNKALPA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 123212 | GDRHYLT GS | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.033 | -0.03 | t | 106346 | DLMHRLY HVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.011 | -0.009 | t | 27728 | INQQLNPK TNKWEDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 135838 | DSFGNWR LWAPIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 135838 | DSFGNWR LWAPIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 99915 | CIFPLCLGR PIAASYPP KTR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 152975 | SETRTISKN TSTSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 133555 | EGPEYWD RET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.014 | t | 134077 | GYYYPSDP NT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.018 | -0.011 | -0.009 | t | 149242 | AALILSKHP NWTNTQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.054 | 0.053 | 0.05 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.031 | t | 110975 | QIFNKPY WLQRAQG H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.025 | 0.013 | 0.019 | t | 122730 | DPAQPPR D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.052 | t | 132293 | FGFPEHLL VDFLQSLs | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.05 | 0.05 | 0.052 | t | 132293 | FGFPEHLL VDFLQSLs | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.03 | t | 117545 | KIQRTQQE DSAVYLCA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.011 | 0 | 0 | t | 94450 | CCNPAC | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.017 | -0.019 | t | 106376 | EEKKGNYV VTDH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.019 | -0.02 | t | 33366 | KSKFGYSA KDVRSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.017 | -0.02 | t | 25534 | IDALFENV DFQATITR ARFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.021 | -0.02 | t | 10496 | DTTIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.023 | 0.019 | 0.021 | t | 43527 | NDSSSHLQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.017 | -0.012 | t | 125318 | WWYDKK DNTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.038 | 0.031 | 0.03 | t | 98525 | TKAQSYEI KA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.009 | t | 107102 | DGKTLNDE LEIIEGM | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 50781 | QFKDNVIL LNKHIDAY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.031 | -0.03 | -0.03 | t | 140611 | VNKKEAW LDSTKATR Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.012 | 0.02 | 0.02 | 0.022 | t | 156918 | MAITDHP GSAMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.016 | 0.017 | t | 28349 | IRNVNNLA RT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | -0.003 | t | 11035 | EAESISSE EIVPNSVE QKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.023 | 0.003 | -0.006 | t | 72885 | WNDYCT MNQCDT HN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.072 | 0.057 | 0.059 | t | 114329 | EVAQEAA EEPLIE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.033 | -0.03 | t | 131764 | YAIAWHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.053 | -0.05 | t | 110997 | RCHAANP NGRYYWG GQYTWD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.053 | -0.05 | t | 110997 | RCHAANP NGRYYWG GQYTWD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 12383 | EIAAKAIGK KIHQNNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | 0 | t | 78341 | AALTAENT AIKKNAD AKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 115672 | AAVRSPA QIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.017 | -0.019 | t | 86900 | NLPNDVFR EAQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 138627 | SQKEVLEG ARASVDR VC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.009 | 0.01 | t | 9956 | DRCTTFDD VQAPNYT QH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 68723 | VGLRTPQR FTDLVKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.048 | 0.05 | 0.052 | t | 100126 | HVGLGTAF ENSIYDQE YN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.059 | 0.051 | 0.05 | t | 74139 | YHSTSSEG N | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 126280 | IITGHCQG DGYRVGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.009 | -0.008 | t | 68179 | VEFLVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.03 | -0.03 | t | 27113 | ILIRGIHHV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 72503 | WGQGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.029 | 0.027 | 0.03 | t | 1577 | AGKLGTVS YGEEKPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.003 | t | 70444 | VPQLEIVP NSAEERLH SMKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.003 | t | 38207 | LNENLLRF FVAPFPEV FGKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.003 | t | 26341 | IGVNQELA YFYPELFR QFYQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.003 | t | 8756 | DIPNPIGSE NSEKTTM PLW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.033 | 0.049 | 0.059 | t | 134684 | GSLPQKSQ RDEN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.012 | -0.01 | t | 142167 | GLRRDLDA SREAKKQV EKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 116917 | AESDDSS T RRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 104744 | CSQWGW CGST | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 138626 | SQKDILER KRAAVDR VC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.015 | -0.02 | -0.022 | t | 15445 | FDPVFSEL FWRARST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 131934 | KNKQGW GDGQKSS QG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0 | 0.001 | t | 78624 | DMNEKQK PYFEFEYD DFKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0.001 | t | 78624 | DMNEKQK PYFEFEYD DFKP | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.047 | -0.043 | -0.049 | t | 118827 | GSGPRHR DGVRPQ KRPSCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.011 | -0.007 | 0 | t | 140167 | AYNNGQEI NGFKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.004 | -0.003 | 0 | t | 97244 | DLNILERF NYEEAQTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.008 | t | 132849 | KKVLGEKT ENPKKFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 96207 | EDDAEDK DED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0 | t | 24978 | HTSSMRG VYYPDEIFR S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 48084 | PKINRSAP EPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.052 | -0.053 | -0.052 | t | 105726 | DRRRGRG SRGSGNGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.039 | 0.03 | 0.03 | t | 117214 | KGEQGEP GA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 70385 | VPNLRGDI QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0 | 0 | t | 36953 | LKLYDDKN ASL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.033 | t | 138836 | CRTVYPSE EETGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.04 | t | 73607 | YDWRAD WVKGFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.04 | t | 73607 | YDWRAD WVKGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.027 | -0.027 | t | 96103 | APPLLPHS NLDHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0.003 | t | 122254 | AGETKPSS SLSIGSIISK SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.001 | -0.009 | -0.01 | t | 48643 | PNGRASD TAGQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.015 | -0.02 | -0.02 | t | 28288 | IRFDENG VLLNNSFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.009 | -0.01 | t | 99919 | CVYDPRG HTGTTNQ RSPPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.065 | -0.07 | -0.063 | t | 115907 | PVVVPPFL QP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.015 | -0.017 | -0.017 | t | 115230 | ENPVVHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.031 | 0.02 | 0.018 | t | 111415 | IFEMFNEN QKAGGIE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 43893 | NFNGLTGT GVLTPSSK R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 43893 | NFNGLTGT GVLTPSSK R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 153282 | PLRNTHPQ AMQWNS TTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.053 | -0.05 | -0.049 | t | 115271 | GQKGRGS RG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.025 | -0.02 | -0.017 | t | 132860 | LKKLKPGL EKDF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.011 | -0.006 | -0.002 | t | 6692 | CNFCNAV VES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0 | -0.001 | t | 123734 | SFSKASNS WFPVEGP ADICQ | marmos ets |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.01 | t | 22247 | GRVVLSG QPAVIPDR EVLYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.016 | -0.03 | -0.03 | t | 79935 | MQQRPLR MFLGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.027 | 0.031 | 0.032 | t | 57244 | SDLRSSSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 71427 | VTNDCPN SSIVYEA DAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 35284 | LDRNAHG QLLVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.01 | 0.01 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.033 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 151161 | EGGPSQIG DALGFAVR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-------------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 116286 | CGKGLSAT VTGGQKG RGSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 105206 | GAIIGLMV GGVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 28299 | IRGDTFAT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.009 | 0.011 | t | 149522 | VTGVTTQ GVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.013 | -0.01 | t | 61212 | SSMGAYW GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.034 | 0.04 | t | 118458 | KKQSKPVT TPEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.02 | t | 54918 | RMLNILN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 112337 | STRESGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 144675 | GTHPFLSQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.026 | -0.029 | -0.029 | t | 22132 | GRLITV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | -0.001 | t | 151716 | RLASLSEKP PAIDWAYY RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 136322 | GLFTPDKS PAKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.001 | 0 | t | 10943 | DYQGMLP VCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.001 | 0.024 | 0.01 | 0.01 | t | 73819 | YFGSAPTA ATLEPKT | Oncorhy nchus tshawyts cha |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.011 | 0.01 | t | 37641 | LLPAADM DDFSRQL QNSM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.074 | -0.073 | -0.072 | t | 114325 | ERERQRR QGGRGRD V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.022 | 0.027 | 0.03 | t | 137395 | EESEDEKR RWGQRD N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.004 | t | 44920 | NLVPMTA TV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.028 | t | 144786 | SMNRGRG THPSLIW M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 72935 | WPGSNLT PRTQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.027 | -0.03 | -0.03 | t | 37316 | LLGCIGSTC A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.011 | 0.01 | 0.012 | t | 19866 | GGGWGQ GGGTHNQ WNK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.01 | t | 139684 | AMRVMEP KPSPFAEA VCP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.022 | 0.01 | 0.01 | t | 139684 | AMRVMEP KPSPFAEA VCP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0.002 | t | 27987 | IPPTTTPV PGYLI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 149333 | HHQEQQQ QLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 145240 | HIDVSRP WRVTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.051 | -0.051 | t | 106942 | TWHHHV WSPSPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.04 | -0.04 | t | 145147 | DPSLKMA DPNRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 51370 | QLINSNGS WHIN | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 51370 | QLINSNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | -0.003 | t | 116284 | CAYSVAHL C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.04 | t | 70351 | VPKPQGPL P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.07 | -0.071 | -0.07 | t | 1671 | AGRRVGLS | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 102155 | TRQPDRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.003 | 0 | t | 3878 | APTTTPPT STHATPRP TTPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0.007 | 0 | 0.002 | t | 146795 | CCELCCNP QCAGCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 125789 | CQGDGYR VGFGQCA G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.021 | t | 30092 | KCTNTDRP PFCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.042 | t | 94485 | DELAKIAQ TWANQCD FNHDD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 105228 | GLMVGGV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0.001 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 40332 | LVFFAEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 10868 | DYEDRYR E | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------|
| 1 | 1.00 | 1 | 0 | -0.02 | -0.017 | 0.003 | -0.02 | -0.008 | t | 4224 | ARQPDLI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.047 | -0.06 | -0.06 | t | 110332 | LYRWR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.011 | t | 63972 | TGTAYPVP LELTPENA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 119443 | DLKLRRSS SVGYIS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 119488 | LGIWTYDG TKVSISPES | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 119488 | LGIWTYDG TKVSISPES | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 119488 | LGIWTYDG TKVSISPES | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.002 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 45130 | NNIMFKLD GCRDTHR YIWI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.002 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 34612 | KYTMFHYL RAQFEH GKSR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.028 | 0.017 | 0.018 | t | 158291 | SQQGQRR EFQQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.006 | 0 | t | 117389 | TSHPAQLG LKSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.019 | t | 53866 | RGFRKEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.02 | -0.018 | t | 31104 | KHFNLT PVGSQGIR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.001 | 0.002 | t | 156371 | LRKVGDSV KAASKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.022 | 0.013 | 0.012 | t | 5127 | ATREEVKA AIP | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 47068 | PDDDPQP GPSREYRY VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 63755 | TFTNKLKA KHTDLGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 153622 | IEGVKYIAE HMKSD EES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 140582 | PWATLVA ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 97340 | GIFGAIAG FIENGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 136826 | CYSQVNPT TL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 95048 | VIFQTPLIK NPDVKSAI EG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.027 | 0.03 | t | 10168 | DSLPHQ QATDDSG H | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.013 | 0.02 | 0.022 | t | 106344 | DIVMTQSP NSLAVSLG ERA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.001 | 0 | t | 10291 | DTAGLAGL FNLGPKQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.012 | t | 138559 | QFEFALTA VAEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.007 | t | 110798 | CPTGCQL QEALLQQE RPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.031 | -0.022 | t | 118440 | IVLGGGCA LLRCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0 | t | 79322 | NMVIWD WQWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0 | t | 79322 | NMVIWD WQWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.003 | 0.01 | t | 117960 | KLLTLVQLT LQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 139324 | TRLIDERA AH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.028 | -0.033 | -0.03 | t | 95351 | EKNRLNFL KK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.042 | -0.053 | -0.05 | t | 111013 | RTGYIPLG TRPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99547 | PSRRFSTR YGNQNGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.021 | 0.02 | t | 39405 | LSGSPAIVP DREVLYQD FDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 45541 | NQELAYFY PELFRQF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 131250 | NHVQAW EQFWDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.028 | -0.04 | -0.038 | t | 104232 | SAMWDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.018 | -0.018 | t | 142447 | NKYRGTA GNALMDG ASQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.037 | -0.03 | -0.028 | t | 18814 | GAVIIRGH LRMAGHS LGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.042 | -0.041 | -0.041 | t | 78689 | ISGGLCSA RLHRHALL ATCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.01 | 0.015 | t | 48669 | PNLRGDL QVLA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.003 | 0 | 0 | t | 141049 | LMAISLQ VVHVETH RCNI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.009 | 0 | 0 | t | 100101 | HFYDGFAC VPLKTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0 | 0 | t | 100101 | HFYDGFAC VPLKTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.041 | t | 107207 | LLTTAEAV VTEIPKE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.017 | 0.021 | t | 94646 | PPKVPPDL MS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | -0.004 | -0.003 | 0.002 | t | 13438 | ENANANN AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.02 | 0.02 | t | 65535 | TPDNNQT SPARR | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.02 | 0.02 | 0.02 | t | 65535 | TPDNNQT SPARR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.02 | t | 65535 | TPDNNQT SPARR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.076 | -0.08 | -0.073 | -0.078 | t | 134147 | LPKGVKHL KDFPILPGE IFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 153283 | PPASTNRQ SGRQPTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 14208 | ESLTTTSTA LGKLQDVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.023 | -0.028 | t | 156675 | GPRVVER HQSACKD S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.023 | -0.028 | t | 108217 | WWNMFQ MGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 51827 | QFPQPQ LPYPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.024 | t | 134187 | PMSTPSAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.018 | t | 72909 | WNSQPSL PYIRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.021 | -0.021 | t | 120869 | PGYRSISG PDPRIRKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 127689 | HWHRPTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.019 | -0.018 | t | 48905 | PPRRRAGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.017 | t | 7313 | CVTIMTVD NPASTTNK DK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.007 | 0 | t | 108174 | TWTRGF VFTRHS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.003 | 0 | 0.001 | t | 97231 | CNTKCQTP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0 | -0.01 | -0.01 | t | 30597 | KERSSLRY GNVLDV | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.028 | 0.02 | 0.02 | t | 106305 | CHTHEGG QLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0.001 | t | 72556 | WHTTTPP ARAFG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.021 | 0.022 | t | 5249 | AVAEAEG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.066 | -0.061 | -0.06 | t | 69513 | VLGQSKRV DFCGKGY HL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.017 | -0.01 | -0.007 | t | 8265 | DFFNLNQE WRVYTYK YFKK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 23315 | GYCKTHLK ASSGYCA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.012 | -0.01 | -0.01 | t | 23315 | GYCKTHLK ASSGYCA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.03 | 0.017 | 0.01 | t | 127982 | FSHFIRSG NPNYPYEF SRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 156904 | KPGDPRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.019 | -0.02 | t | 11420 | EDPVLAKK VPETFPEL KPGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.03 | -0.034 | -0.041 | t | 25239 | IADAMEK VGKDGIVIT V | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.022 | -0.03 | -0.03 | t | 49273 | PRVRSKPV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.03 | t | 49273 | PRVRSKPV V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.039 | -0.039 | -0.038 | t | 44140 | NHFVPQP PSRTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.04 | 0.048 | t | 96210 | EDKEEDEE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.011 | -0.01 | t | 138035 | SDISGKQV T | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 147445 | YVGNRKD SSEAIEFFR RG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.046 | 0.037 | 0.042 | t | 32267 | KLYQAQY DLSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0 | t | 80367 | ALNDNAG RHNSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.02 | -0.011 | -0.01 | t | 66099 | TRSIRKFNT MQQCIDF TFSD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.005 | 0.01 | 0.012 | t | 97171 | ADVVISPN D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.022 | -0.033 | -0.042 | t | 134679 | GGSGPQR RGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.027 | -0.03 | t | 113875 | SNRRPSTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.004 | -0.013 | -0.02 | t | 112857 | VDHQHPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.071 | t | 130777 | DVIGQVRR PEMGDQA HMPYT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.019 | t | 73476 | YAYIDYNA LKFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.018 | t | 5675 | AWLVHRQ WFLDLPLP W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.018 | t | 5675 | AWLVHRQ WFLDLPLP W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.019 | -0.018 | t | 5675 | AWLVHRQ WFLDLPLP W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.011 | 0 | 0 | t | 71178 | VSTVQQLT KR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.007 | 0.01 | t | 72039 | VYHGAGS KTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.011 | -0.007 | -0.011 | t | 71350 | VTGTDLELI QILK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 117373 | SPQRHHH DDKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.078 | 0.08 | 0.073 | 0.079 | t | 133671 | QVLTANPS SQSSP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.037 | 0.041 | 0.042 | t | 22505 | GSSGSSAV DSGTATGP PDQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.008 | t | 107536 | PAPDTLKE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 54989 | RNFTTAPA ICHEGKAY F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.03 | t | 110614 | GPRGLPGE RGRTGPA GAAG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.039 | t | 138218 | PTPAPGPG RR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.043 | 0.056 | 0.056 | t | 131651 | SEGTGQAL ASPGSCLE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.012 | -0.01 | -0.009 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.003 | 0 | 0.001 | t | 78353 | CPSVKNGI EINCCTTD RCNN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 108382 | GGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 68401 | VEVPGSQ HIDSQKKA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 60641 | SREAKKQL EAEQQKLE EQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.022 | t | 113228 | YKLAYKSA EG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.02 | 0.031 | 0.034 | t | 145997 | SASDQPT QYEEEMT DYQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | -0.001 | 0.002 | t | 53635 | RESQAYYQ RGAS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.012 | t | 15925 | FFTPKESE QLKVIKTFE GIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.021 | 0.01 | 0.01 | t | 95136 | QPVGREKF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.027 | -0.02 | t | 108848 | DEIDGVN H | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 120184 | RRRATQLA HL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.09 | -0.088 | -0.093 | -0.089 | -0.093 | t | 103112 | DPRYNQLL GPLPFRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.01 | t | 142056 | VKHVEKKL DMLDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.064 | -0.06 | t | 115601 | DPFYWVS PGVLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.06 | -0.06 | t | 119895 | GGVKKIHI PSEKIWRP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 119895 | GGVKKIHI PSEKIWRP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 119895 | GGVKKIHI PSEKIWRP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.007 | -0.01 | t | 52678 | QVATISAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.061 | -0.07 | -0.073 | t | 11567 | EEDTNKDK PS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | -0.003 | 0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.049 | t | 107084 | AKFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.008 | 0.007 | t | 98887 | LQGFSRNT LEAAFNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.017 | 0.021 | t | 73784 | YEVRAELP GVDPDKD VDIMV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.012 | t | 122307 | DMSPYEA YKRGIDR GQYLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.029 | -0.028 | t | 53331 | RDDITFMV GLHSYT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.056 | -0.061 | t | 134241 | TDVRPLYS RRLPKGVK HLKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 130908 | ITRTTLQSD QEEIDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.013 | 0 | 0.003 | t | 59387 | SLPGQTKIL AKVIFYGEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.027 | 0.02 | 0.02 | t | 72688 | WKLQPGD D | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.018 | t | 104904 | MNVQNG KWDS DPS GTKTC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.014 | 0.014 | t | 44917 | NLVLNRDV SFQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103680 | TWQTKSG GTRTGNV T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 157740 | PHRAGETS AAGL | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.02 | t | 113091 | MESALDQ LKQFTTVV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 115495 | SQSKVLPV PQKAVPYP QRDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.022 | -0.029 | -0.03 | t | 47773 | PGVGTGC TACGV | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.016 | 0.012 | t | 39146 | LRNCEQDF FTLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.031 | 0.019 | 0.02 | t | 110599 | GIPGAKGS AGAPGIA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.03 | t | 19626 | GFTDRAF WVCPGVV C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.018 | 0.017 | 0.018 | t | 49393 | PSGYCGRE CGIKKGS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.04 | t | 25595 | IDKDNNEL IDKQELTK YCQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.039 | 0.04 | 0.04 | t | 25595 | IDKDNNEL IDKQELTK YCQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.013 | t | 50536 | QDVVVLG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | 0 | t | 122153 | NASGLSRP SPSAH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | -0.002 | t | 100621 | VPKPGVSD DQLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.008 | -0.024 | -0.02 | -0.02 | t | 110248 | GGLGIGTG SGTGGRT GYIPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.011 | t | 107428 | GRGDSVV YGLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.05 | 0.04 | 0.04 | t | 46021 | NSVDFEED TL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.014 | 0.02 | t | 37327 | LLGEKTRN QM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.023 | -0.02 | t | 33882 | KTTKKDHK PQTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.017 | -0.02 | t | 120699 | KMFPEVKE KGMAALP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.008 | -0.01 | t | 135934 | GWGSPKV TKDGV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 108049 | NPVEIRRG VMLAVDA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.028 | t | 9586 | DPAFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | -0.003 | t | 57631 | SESTEDQA MEDIKQM EAESI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 52088 | QQPFPQR PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.017 | 0.019 | t | 3779 | APRITFGG PTDSTDN NQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.11 | 0.11 | 0.122 | 0.108 | 0.108 | t | 96444 | KDEDEEDE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.018 | t | 73418 | YAPQPCGI VPASEVCG PVYC | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0.001 | t | 112584 | LPWNAFP GK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 112584 | LPWNAFP GK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.012 | t | 57289 | SDSQITIN PAYD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.033 | -0.032 | t | 60632 | SRDEKERE RFSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 79146 | ACTSQLLS VPSCCC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.048 | -0.047 | -0.05 | t | 7055 | CSPHHTAL RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 21918 | GQMRPD NSKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 107882 | HEHTFGR QW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 136593 | RHYKQYQ FHF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.021 | -0.019 | t | 135793 | WGEECA MK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.013 | 0.01 | 0.011 | t | 35063 | LCKIARSQ DACIEFV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.024 | -0.04 | -0.04 | t | 21704 | GPLYHTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.001 | t | 32808 | KPNLSSKR SELSQLSM YRVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.019 | -0.02 | t | 97685 | TGIEIVKRA I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | -0.002 | -0.003 | t | 98953 | QEPDDLK QKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 84229 | KEEGGKET KDAVDVR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | -0.003 | 0 | t | 36929 | LKKYKVPQ LE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | -0.003 | 0 | t | 36929 | LKKYKVPQ LE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | -0.003 | 0 | t | 36929 | LKKYKVPQ LE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.027 | -0.03 | -0.03 | t | 570 | ACKRGPGS GFFSRLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.027 | t | 117345 | PRRRSRKP EAPRRRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 279 | AALGDSLY GAASLNDF GILA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0.001 | t | 279 | AALGDSLY GAASLNDF GILA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | -0.003 | 0.001 | t | 49534 | PSTPGERV RH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149436 | QQHHHH QEQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149436 | QQHHHH QEQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.013 | -0.008 | t | 26844 | IKLPALF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.013 | -0.008 | t | 26844 | IKLPALF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.013 | -0.01 | t | 33747 | KTKRNTNR RPQDVKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.016 | t | 127856 | TDVRYKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 122385 | GRLEPLRK WRDDHRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.008 | t | 66830 | TTSSGLASL FNSGARQ H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0 | 0 | t | 65638 | TPLGPPDA EYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.019 | t | 21930 | GQPGPSG AAQGQVIS N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0.003 | t | 79284 | LDAVPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.003 | t | 61589 | STEQNVP DPQVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 113774 | QQGQQP GQGQPGY Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.013 | t | 10040 | DRRCQSQ LER | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.012 | -0.01 | t | 118146 | SNLDHILE PSIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.039 | 0.04 | t | 98397 | QQQQPSS QVSFQQP LQQY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.009 | 0.01 | 0.012 | t | 22281 | GSAMSRP LIHFGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 44340 | NISGHVR MGTMKIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.011 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.028 | -0.03 | t | 135910 | DRRLCSHL EVCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.023 | -0.02 | t | 108345 | ENPKKYIP GTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 130823 | FDSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.033 | 0.032 | t | 122198 | TEADVNP PIPSQMPT SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 136524 | NFREAMRI GAEVYHN LKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.016 | -0.031 | -0.032 | t | 28337 | IRMARPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.021 | 0.008 | 0 | 0 | t | 12375 | EHWSYGL RPG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.052 | 0.05 | 0.05 | t | 10525 | DTYEEVLE LAQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.028 | 0.023 | 0.018 | t | 47304 | PEHRGGP EEFEGAGD GEPPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.065 | -0.07 | -0.07 | t | 35291 | LDSMHFPF HSRSFWP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.009 | 0.009 | 0.012 | t | 99401 | KTNACHN GGGFSEVI FR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 142530 | ANDYTTEY ASASVRGR FIVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 142530 | ANDYTTEY ASASVRGR FIVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.049 | 0.04 | 0.04 | t | 100546 | TDANDQI GDSLISA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.017 | -0.011 | t | 115652 | SSRISYWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.015 | -0.006 | -0.01 | t | 63056 | TCAMFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.018 | -0.02 | -0.017 | t | 51246 | QKRDPKT N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.019 | 0.02 | t | 57320 | SDYEDRY REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.009 | 0.011 | t | 103499 | PSRTWSP FEEDSQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.011 | -0.02 | -0.022 | t | 167 | AAGLPKGC GVNVPYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.013 | 0.01 | t | 49071 | PQPQQQL PLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 48519 | PLVEHGLQ LAEQFKQK ALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.011 | 0.01 | t | 40921 | LYREALESP EHC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79658 | THQRPAT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.031 | -0.03 | t | 72560 | WHWNKPI RPPLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.003 | 0.002 | t | 2322 | AKWAVPT TRTDDKLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 96160 | DAEDKDE DEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0 | 0.002 | t | 7557 | DAKDALEP YWKSDS | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.009 | -0.01 | t | 59749 | SMSHRTM SIVNSYVN DVMER | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.022 | 0.011 | 0.01 | t | 63791 | TGATEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.012 | 0.01 | t | 18172 | FVGAGIAG AAVGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 153372 | DTELTQKA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.01 | t | 110855 | FNRAGTV GENVPDD LYIKGS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111557 | MPLSQNV APFRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 135413 | AAAAKAA KYGAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 111557 | MPLSQNV APFRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.029 | t | 122860 | NADLCDS VPKWDR PCASS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.002 | t | 50171 | PYSPSQDP YSPSPYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.052 | 0.037 | 0.023 | 0.03 | t | 127801 | RGTVLYKN EVGE | Rattus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.012 | 0.003 | 0.001 | t | 105003 | TKSYWKAL GI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 111570 | MRPDNAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.045 | -0.032 | -0.043 | -0.041 | t | 12554 | EIPSYRSLY LRWVNA | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 119578 | FAIVKFTKV LLQYTGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 118077 | QEMPLTA LLRNLGK MT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 115345 | LGTQYTDA PSFSDIPN PIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115238 | EVDDEALE KFDKALKA LPMH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.003 | t | 78939 | CINHRGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.021 | -0.018 | t | 147220 | QIGYYRRA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.013 | 0.01 | 0.01 | t | 56614 | RYPHYSLIK PESSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.003 | 0.011 | 0.011 | t | 39623 | LSRDLEAS REAKKKE AALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.021 | t | 119803 | DLVLYNNA DGDFAIHV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.021 | t | 119803 | DLVLYNNA DGDFAIHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.018 | 0.02 | 0.021 | t | 119803 | DLVLYNNA DGDFAIHV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.021 | t | 119803 | DLVLYNNA DGDFAIVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.027 | t | 144677 | GTHPTLVV HSREL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.02 | t | 107860 | GHSYYISPE LKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 105080 | AFNHFGGR GLVQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.026 | -0.02 | -0.018 | t | 13528 | ENNGGCD AD | Aotus sp. |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 144777 | SGTHMNL YLHDTAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 111828 | THMQGW WWSKPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.007 | -0.011 | -0.01 | t | 52397 | QSPHLTYP EPMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 125667 | AFRFGHAT IHPLVRR DAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 127723 | LHSDARD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 29375 | IVNRRTSFF NLGPSQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.016 | -0.011 | -0.01 | t | 11723 | EEKKVPINL WLDGKQN TVPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.016 | -0.011 | -0.01 | t | 11723 | EEKKVPINL WLDGKQN TVPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.004 | -0.01 | -0.014 | t | 97288 | ETQLTTAG LRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.002 | 0 | t | 53135 | RAKRTLSS ATQATIEID ALF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.023 | 0.03 | t | 123635 | PTTMKM WSD | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0.001 | 0 | t | 97186 | AGNKEGIA SRITQIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.03 | t | 48685 | PNPLGFFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.013 | -0.007 | -0.01 | t | 17457 | FQAEVGP NNTRSIRK FNTMQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.019 | -0.02 | t | 52280 | QSAAIRE WARRNG HNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.033 | -0.03 | t | 142204 | KLEEQNKI SEASRKGL RRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.001 | t | 156906 | KPGDPRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.031 | -0.037 | -0.03 | t | 127963 | EPKPKKAP AKKGEKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.021 | 0.021 | 0.02 | t | 65520 | TPCSAEEE KLPISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.088 | 0.081 | 0.08 | t | 26235 | IGGSQAQT AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.01 | 0.013 | t | 134335 | CTKPSDGN CT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.037 | -0.03 | t | 122321 | DVVLYNN ADGDFAI VH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.01 | 0.01 | t | 144622 | EDVGSNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0 | t | 15805 | FFEVAH | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0.003 | 0 | t | 23392 | GYKVLVLN PSVAATLGF G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | -0.007 | -0.003 | 0 | t | 57505 | SEKSEEINE KDLRKKSE LQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 122730 | DPAQPPR D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 47420 | PESDQPDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 47336 | PEKTPLPV SATAMAP SVDPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 47336 | PEKTPLPV SATAMAP SVDPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.011 | 0.012 | t | 52679 | QVATVSS N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 123131 | EHLYGRN DR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.027 | 0.03 | t | 40319 | LVEKPNLS SKRSELS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 116684 | CNYYSNSY SFWLASLD PKR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.02 | 0.02 | t | 54601 | RLITVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.011 | t | 158837 | IHNDVEA WIDRYKYY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.01 | t | 59120 | SLGADSSI AYSNNITAI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140873 | KGVDAGK LGTVSYGE EKPAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | -0.003 | 0.001 | t | 28732 | ISSSEEIVP N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.01 | t | 115062 | HNGQACK GKIQALCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.012 | t | 107428 | GRGDSVV YGLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.041 | -0.044 | -0.049 | t | 151048 | RHAYRSM AEWGFLYS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.017 | -0.017 | -0.018 | t | 53681 | RFAKYQQ QGRLEAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.012 | t | 65099 | TLTLAMPK TTYELKME CPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 38649 | LPQGVFYG DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.029 | -0.029 | t | 144940 | RHVLGRLI TVNPIVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.036 | 0.04 | t | 135944 | KEQFEFAL TAVAEVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.005 | 0 | 0 | t | 48125 | PKPQRKTK RNTNRRP QDVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.016 | -0.01 | t | 158695 | ASKSADDV KKAFKVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.007 | t | 144678 | GTQPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 104362 | YNDDEPN GAIRFTMG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.027 | 0.03 | t | 75662 | YRPPNAPI LSTLPETT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 67730 | VARALAH GVRVLED GVNFAT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 103007 | AAQAVQT AAQNGVR A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 39487 | LSLNHARS P | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.013 | -0.012 | t | 35763 | LEYDPRLV YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 113780 | QQPGQG QQGQQP GQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 156942 | PWSKMHI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.038 | -0.039 | -0.038 | t | 49405 | PSIPSRAAT L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 123253 | GPPPPGM MPVGPAP GM | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.039 | 0.03 | 0.03 | t | 100545 | TAVETGAT NPLAPS | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.018 | 0.019 | 0.021 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.018 | 0.019 | 0.021 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.01 | t | 28074 | IPSTACTDI AWVRLPC HYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 7057 | CSPRTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.025 | 0.019 | 0.021 | t | 52274 | QRVVFKEYS QMINISDY INR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.019 | 0.021 | t | 52274 | QRVVFKEYS QMINISDY INR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.025 | 0.019 | 0.021 | t | 52274 | QRVVFKEYS QMINISDY INR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 111264 | EYMLDLQ PETTDLYC YEQLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 77841 | AYDFLYNY L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.047 | -0.05 | -0.049 | t | 65656 | TPLSPPLR NTHP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.047 | -0.05 | -0.049 | t | 65656 | TPLSPPLR NTHP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.009 | 0.01 | t | 47757 | PGSTTTST GPCKTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.068 | -0.073 | -0.071 | t | 46899 | PAPRRKFQ QVKRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 158614 | STEGRHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 66219 | TSGITGDN TTSSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.028 | 0.019 | 0.023 | t | 79040 | PGQNLCT K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.058 | -0.05 | -0.05 | -0.048 | t | 156942 | PWSKMHI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.029 | -0.022 | t | 96240 | EKQMKDK QDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.003 | 0.002 | t | 74871 | YLPVGGLR RIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.01 | -0.01 | t | 100540 | SYLQGFSR NTLEAAFN AEFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 159042 | NTFVVDG PETKECPT A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | -0.003 | 0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.033 | -0.033 | t | 50328 | QAPKDVS QQIKMAN K | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 132108 | VDHLRDR NSGSSSSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.001 | -0.011 | -0.012 | t | 58316 | SGYCYWV HILCYCYG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.02 | 0.01 | 0.01 | t | 82843 | GQPAADH YYSKVT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.02 | 0.01 | 0.01 | t | 82843 | GQPAADH YYSKVT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.052 | -0.049 | -0.047 | t | 96815 | RCQSQLER A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0.003 | t | 133697 | SITTANPSS FNKY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0.001 | t | 75849 | YSPEVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.006 | -0.009 | -0.011 | t | 66895 | TTVNAHQI LPKVLHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.029 | t | 44474 | NKDKLFAV WK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 122906 | SRPSESNG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.013 | -0.008 | t | 95555 | LLFCME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0 | t | 106304 | CDRSYTTR RW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.014 | -0.019 | -0.02 | t | 4071 | AQSRNVR TFTGLFTS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.018 | t | 10431 | DTNKDKPS YQ | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.029 | 0.03 | t | 97596 | QTPLTMA ALELL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.029 | 0.03 | t | 97596 | QTPLTMA ALELL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.019 | t | 9278 | DLSLLGKA RKVVVTKD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | -0.01 | t | 18441 | FYNQKFKG KATL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0 | t | 59985 | SPAQDIW GTSAAAYF VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0.003 | 0.002 | t | 55402 | RQAQDIQ PV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.006 | t | 39224 | LRTGKKLE LDATNAPA PANG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.006 | t | 39224 | LRTGKKLE LDATNAPA PANG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.01 | -0.01 | t | 104586 | NRVAPNV RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.02 | -0.027 | -0.028 | t | 114290 | CYGNWFS NC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.01 | t | 97368 | GTTYIRAIA ALEGLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 135942 | KDVKFGA DARAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.007 | 0 | t | 122941 | VVKLLRPDI YVEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 36959 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.019 | 0.021 | t | 138162 | EKKYSPCA WEVVRAE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 106936 | TTSEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.007 | -0.008 | t | 48125 | PKPQRKTK RNTNRRP QDVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 137399 | FCGLPRLE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 10040 | DRRCQSQ LER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.065 | 0.06 | 0.062 | t | 126897 | QSQQFSVS ENLLKEA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.02 | -0.02 | t | 11560 | EEDQKARE | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 103010 | ACGGGTN SSSSGAGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 149051 | GGQMRQ G | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 100548 | TDNTKINR GI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 100548 | TDNTKINR GI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.023 | 0.02 | 0.022 | t | 7205 | CTSGFTGL FSSGAKQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.018 | 0.01 | 0.013 | t | 24360 | HNAKYVS AESWG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.028 | t | 64994 | TLNWPPTL WGMH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.023 | -0.028 | t | 156697 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.009 | t | 9818 | DPYSPSPY DRRGAGS | Homo sapiens |

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|---|------|---|---|-------|-------|--------|--------|--------|---|--------|---------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 119620 | NPDDYGG VK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.01 | t | 41066 | MAKTIAYD EEARRGL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 95013 | GGIKKIRLP SDDVWLP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 151679 | LAALTRTP VVSP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.04 | 0.04 | t | 16053 | FGSDYEDR YYREN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.045 | 0.04 | 0.04 | t | 16053 | FGSDYEDR YYREN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 119823 | EDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 131344 | AIGDRSKT DRENSVSI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 117742 | AKAQTD EDLRTLLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 131344 | AIGDRSKT DRENSVSI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 41571 | MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 41571 | MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 11872 | EESDDDM GFGFLFD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | -0.001 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.039 | -0.043 | -0.039 | t | 99619 | RLVLRRNA LRRPFYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.098 | 0.091 | 0.093 | 0.1 | t | 109905 | SEEEND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.098 | 0.091 | 0.093 | 0.1 | t | 109905 | SEEEND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.033 | 0.018 | 0.017 | t | 98696 | AMAASDIS LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.01 | -0.009 | t | 46081 | NTECTLKK GSSGYCA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.01 | -0.009 | t | 46081 | NTECTLKK GSSGYCA | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 46081 | NTECTLKK GSSGYCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.022 | t | 108088 | RAAPFGN QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 118490 | LKDKYKNI GAKLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0 | t | 94616 | NPAC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.013 | t | 62347 | SVTEEIAEE DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.019 | t | 150970 | AVPADHG AHLRLRGL PVCAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 132276 | ERIYHFV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.021 | t | 104569 | MASPGSG FWSFGSE DGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156926 | NSRTWLT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.012 | t | 152056 | QAAKQRL EPGRN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 110198 | CPPDIIPKV EGKTIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.03 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.03 | t | 125250 | SDEFNPCE DIMGYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 142410 | EAPNSSRH HLRNGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 106642 | MHLNTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.021 | -0.021 | t | 116080 | ATGGTLQ QLFYSITV GQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0 | t | 132767 | YRDKSYPS PFWCHRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.071 | -0.071 | -0.07 | t | 26515 | IIHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.016 | t | 141760 | TAPPLLPH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108072 | PPGPTGAS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.004 | -0.001 | -0.01 | -0.01 | t | 27946 | IPLVGAPL GG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.001 | 0.007 | 0.013 | t | 156416 | QGRQQGR QQQEGR Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.007 | 0.011 | t | 8552 | DHLPSPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.007 | 0.012 | t | 134199 | PVQCSR VVICPDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.019 | -0.019 | t | 22133 | GRLITVNP | MD |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.023 | t | 59873 | SNNVQIVR QQSYSI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.015 | 0.02 | 0.023 | t | 59873 | SNNVQIVR QQSYSI | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 48084 | PKINRSAP EPSL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.011 | -0.012 | t | 64010 | TGYRYDSR TGFFATN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.043 | 0.04 | 0.041 | t | 12542 | EIPDPVEA GEEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.029 | -0.027 | t | 96815 | RCQSQLER A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 47266 | PEEFEGAG DGEPPED DDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.031 | 0.03 | 0.03 | t | 35860 | LFIQGYSIY ENYGNIKE FNA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 28339 | IRMGTDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 51827 | QFPQPQ LPYPQPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.021 | 0.01 | 0.01 | t | 94469 | CNPACG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.01 | 0.01 | t | 94469 | CNPACG | Capra hircus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.01 | 0.01 | t | 94469 | CNPACG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | -0.003 | 0.001 | t | 38305 | LNPKTNK WEDKRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.039 | t | 136216 | FAWKWQ YIYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.033 | 0.01 | 0.023 | 0.023 | t | 55818 | RSDYKFYE DANGTRD HKKG | Chinchill a lanigera |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | -0.001 | t | 131956 | LPKSAKPV SQMRMA TPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.01 | 0.012 | t | 48348 | PLGPPAAE YWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 59927 | SNTLPRSN TSSGASP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.009 | 0.017 | 0.023 | t | 30951 | KGGWFGK HRGQGGs | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.009 | t | 131687 | SYPDNSYQ QPYGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 37361 | LLGPYELW ELSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0.002 | t | 10868 | DYEDRYR E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | -0.001 | 0.008 | t | 118646 | VAVTMGP KGRTVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | 0 | 0.002 | t | 156933 | PLEKSHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.011 | 0.01 | t | 98098 | HKSGANA ASS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 157811 | QRQCQQR CER | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.013 | -0.012 | t | 99016 | SSRDQSSY LQGFSRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.015 | -0.026 | -0.032 | t | 142433 | KNDSLPH EPNNLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.019 | 0.02 | t | 28023 | IPQSLDSW WTSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.031 | t | 55641 | RRLGRQTY DNES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.011 | 0.003 | 0 | t | 70216 | VNVYPKIS TSTNCAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 56443 | RVVIQDYD NQHEQDR PTPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.011 | -0.023 | -0.028 | t | 128078 | PPKPEPKP KKAPAKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | 0 | 0 | t | 108596 | PYPFAQKR L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.019 | t | 66749 | TTPAQGN SMFPSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.042 | t | 2558 | ALGGWGL HQPPPQIF LKILP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 127689 | HWHRPTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | 0 | 0 | t | 2276 | AKRLRSM HVFILDYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.013 | -0.031 | -0.032 | t | 151072 | YDDVNGIR RP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.081 | 0.07 | 0.072 | t | 117235 | SS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.034 | 0.039 | 0.04 | t | 24697 | HRMQEAV EAERAGR GTGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.014 | -0.01 | t | 17465 | FQDHPLQ KTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.011 | -0.001 | 0 | t | 20719 | GKVSLEEF CRGFGLKV WEVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 119382 | VISCAKDAI EDEEGSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.007 | -0.01 | -0.01 | t | 138885 | NNQSPILK LSIH | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.021 | t | 7398 | CYKKVWR DHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.021 | t | 7401 | CYKKVWR DHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 138255 | TTLTLRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.035 | -0.04 | -0.041 | t | 122875 | PRGWNPG FLYNGFPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.02 | t | 112453 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.039 | t | 14273 | ESSPNTQ WELRAFM A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 47013 | PAYYTKDT NNNLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 55272 | RPPRYMV QS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.008 | -0.008 | t | 53689 | RFDKGYIS GY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 48348 | PLGPPAAE YWN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.03 | 0.03 | t | 283 | AALIEEGQ R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.011 | -0.01 | t | 64978 | TLNKDQLL SSSKYTIQR STG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.07 | -0.07 | -0.067 | t | 143678 | DRVNLRLN RGYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.029 | 0.03 | t | 98060 | GFMVPPG LSSEGHLT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 118611 | SQALQELIS ELDRRCHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.01 | 0.01 | t | 94469 | CNPACG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.021 | 0.01 | 0.01 | t | 94469 | CNPACG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.01 | 0.01 | t | 94469 | CNPACG | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.02 | t | 73103 | WSSGYGT GR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.045 | -0.057 | -0.049 | -0.044 | t | 20934 | GLIRACML VR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.04 | t | 98798 | GGFGPGG FGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 123073 | DDREKW MSE | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.01 | t | 9232 | DLPDYGDY GEDLFDY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.01 | t | 15048 | EYLILSARD V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.01 | t | 15048 | EYLILSARD V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.023 | -0.03 | -0.03 | t | 138837 | CSSWYRG AC | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.03 | t | 62852 | TAGHGAY GITSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 91100 | AFQTPVHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 122468 | LLDRKSGK QYSIEAAL RCRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 135473 | KDRHDFG FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 58388 | SHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.01 | t | 116164 | RTPPPSG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.001 | 0.002 | -0.01 | -0.01 | t | 116164 | RTPPPSG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.021 | 0.002 | -0.01 | -0.01 | t | 116164 | RTPPPSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.01 | t | 116164 | RTPPPSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.01 | t | 22238 | GRVILSGR PAIVPDRE VLYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.024 | 0.02 | 0.007 | 0.008 | t | 61478 | SSYAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.035 | 0.04 | 0.043 | t | 107149 | GIAGFKGE QGPKGET | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.019 | 0.011 | 0.01 | t | 4732 | ASRAALIEE GQRIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.031 | t | 119608 | LGTWTYD GSVVAINP ES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | -0.002 | t | 77925 | KACSNNST CFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.008 | -0.03 | -0.03 | t | 104139 | MWNDFW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.023 | 0.022 | t | 115626 | LKDAIGEG KVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.049 | -0.047 | -0.041 | t | 109624 | NHQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.02 | t | 98855 | KTENPCA QRCLQSC Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.005 | -0.01 | -0.012 | t | 6065 | CCNGIRTI NGLARTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.003 | 0.001 | t | 11819 | EENVEHD A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 118451 | KGIIDPTKV VRTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 118275 | ATVLARSI AKEGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 118490 | LKDKYKNI GAKLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 35252 | LDPHAFHL LL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 132817 | FGQNRAN PQLPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.034 | 0.029 | t | 307 | AALVSGTA TAGWTFG AG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.052 | 0.043 | 0.041 | t | 104995 | SYSTTAVV TN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | 0 | 0.002 | t | 433 | AASGPKVV IDGKDQN VTGSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.004 | -0.001 | 0.001 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.004 | -0.001 | 0.001 | t | 31365 | KINIGSKV NFDPIDKN QIQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0.004 | t | 60473 | SQKIQLVN TNGSWH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.021 | -0.021 | t | 116080 | ATGGTLQ QLFYISIV GQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | -0.003 | 0 | t | 69697 | VLPPALEIT PLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 118105 | RKGHFLLS SKSGFWTI WL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 120682 | KILPEVKEK HEFLSRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 117907 | HKAFKGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 122878 | PYEFSRKV PTFATPW PDFVP | Oryctola gus cuniculu s |

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|---|------|---|---|------|--------|-------|--------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 120699 | KMFPEVKE KGMAALP RL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 117300 | GSGKGKV QFQGKKT KF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 105021 | VHHQKL VFFAEDVGS NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 117300 | GSGKGKV QFQGKKT KF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 117246 | VTWEVLE GEVEKEAL KKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 110733 | VGENVPD DLYIKGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 65050 | TLRVYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 11081 | EAIPALTA VETGHTSQ V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | t | 156947 | QTKSECTE VCKNLT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.021 | t | 4528 | ASLKDALL KYIYDNRG TLI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.019 | 0.02 | 0.021 | t | 4528 | ASLKDALL KYIYDNRG TLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.019 | 0.02 | 0.021 | t | 4528 | ASLKDALL KYIYDNRG TLI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.045 | 0.04 | 0.041 | t | 134654 | DQQNQFQ KAET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.003 | -0.003 | 0.001 | t | 15295 | FAVANGN ELLLDLS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|-------|---|--------|-------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.04 | t | 107378 | GELP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.05 | t | 137866 | GDTRPRFL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.03 | 0.034 | t | 6403 | CHQLGKQRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 135836 | DLFGNVLLGQRLDQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 135836 | DLFGNVLLGQRLDQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.002 | t | 119443 | DLKLRRSSSVGYIS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.013 | 0.012 | t | 3983 | AQKFNGLT VLPPLLTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 117339 | PGALLRQDNAPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 100583 | TVQTRHVVQRRSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 124588 | PQEETLQAFDSHYDYT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 103309 | KKNGRILTLPRSNPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 106322 | DAEFRHDSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 95048 | VIFQTPLIK NPDVKSAIEG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0.002 | t | 54058 | RHKQKIVAPVKQTL | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 135545 | DVFYPYPY ASGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0.002 | t | 49764 | PTRTIGGS QA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 110869 | GQAEPDR AHYNIVTF CCKCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.003 | -0.013 | -0.02 | t | 119666 | VMHEALH N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.024 | -0.03 | t | 134692 | HSRRRQG WLKEIRKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 117537 | KALSVETE KLLKYLEAV EKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.032 | 0.027 | 0.03 | t | 34217 | KVTLADAG FMKQYGE CL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.033 | 0.032 | t | 73747 | YEQLNDSS EEEDEIDG PAGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.024 | 0.033 | 0.032 | t | 73747 | YEQLNDSS EEEDEIDG PAGQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.013 | t | 118776 | EADYFEYH QEGGPDG EPDVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.013 | -0.014 | t | 135898 | ARDTQGL GWGAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.028 | 0.02 | 0.021 | t | 56734 | SADNNNS EYSWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.007 | -0.021 | -0.02 | t | 17580 | FRELADAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0 | t | 12253 | EGQRMAE ML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.048 | -0.06 | -0.062 | t | 137941 | PFRSYTK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.028 | t | 8918 | DKLADYKRRM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.022 | 0.04 | 0.047 | t | 72886 | WNEKYAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.021 | -0.037 | -0.04 | t | 33448 | KSMRSANKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.022 | 0.04 | 0.047 | t | 72886 | WNEKYAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 136083 | SEGAEYDDQTSQREKEDDK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.01 | t | 136827 | DFGSVGGVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.02 | t | 23934 | HGPDWASP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 135758 | SKLTRAEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 109443 | KSRWQEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.038 | -0.03 | -0.03 | -0.028 | t | 156850 | APHNKWPHLNPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.03 | t | 102069 | SKSSITITNKRLTRKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.03 | -0.03 | t | 99915 | CIFPLCLGRPIAASYPPKTR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.05 | 0.057 | 0.062 | t | 48684 | PNPIGSENSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.018 | 0.001 | 0 | t | 74422 | YIYPYRYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.031 | t | 72338 | WEADDKNQHGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 137436 | QHDRLLMLSYLV | Mus musculus |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|---------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.026 | t | 29128 | ITVEELKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 146906 | EVDHTNFK YNYSVIEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.014 | 0.013 | 0.01 | t | 47341 | PELDSFKE ELDKYFKN H | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.013 | 0.01 | t | 47341 | PELDSFKE ELDKYFKN H | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.023 | -0.019 | t | 125596 | VSVWSYQ YWRFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.002 | 0.003 | 0.01 | t | 133635 | LSRSTKEY NKLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.011 | t | 135453 | CNAEVYV VPWEKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.016 | -0.03 | -0.03 | -0.03 | t | 30150 | KDGDTTN R | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.013 | -0.03 | -0.03 | -0.03 | t | 30150 | KDGDTTN R | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.011 | 0.01 | t | 15615 | FEPLRAET DDVEPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.017 | t | 106321 | DAEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.017 | t | 106321 | DAEFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 52088 | QQPFPQR PQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.016 | 0.017 | 0.02 | t | 97327 | GEHQLLYL QHQLDEL N | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.03 | t | 133655 | NIAHPDR WDRLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.01 | t | 78815 | RNTNRRP QDVKFPG GGQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0.003 | t | 24360 | HNAKYVS AESWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.02 | t | 130906 | IRGPGVLA GGRSAGA R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.034 | -0.041 | -0.041 | t | 3073 | AMDHEGC KFSCFIRP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.003 | t | 71353 | VTHESYQE LVKKLEALE DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.046 | 0.03 | 0.032 | t | 49153 | PQWTPEE D | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.053 | t | 134669 | FGFPQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.024 | 0.021 | 0.022 | t | 56061 | RTGLDFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.02 | -0.02 | t | 95977 | VPNLRGDL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.04 | -0.04 | t | 118970 | PPPGRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 75791 | YSLFQKEK MVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.002 | t | 139525 | ISSQTNDT HKRDTYA ATPRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.023 | 0.019 | 0.02 | t | 34084 | KVKYNCTC GTGNVGT TNSDM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | 0.002 | -0.011 | -0.01 | t | 5507 | AVPNVRG DLQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.026 | -0.039 | -0.04 | t | 34124 | KVLVVLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 135771 | TRVVGGE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 158601 | MQAHQTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 118443 | KAPGFGD NRKNQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.027 | -0.03 | t | 37304 | LLFVGVL FLLPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.01 | -0.008 | t | 99863 | AAPARISV PYVGLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.031 | t | 143032 | RIRKVKVE FWPCSPI | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.013 | -0.03 | -0.03 | t | 61282 | SSPPQWK L | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.031 | -0.029 | t | 53866 | RGFRKEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 145804 | GPVGPSD PSIVSLVEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.033 | -0.03 | t | 11860 | EERLHSMK EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.017 | t | 107228 | REEFRHEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.04 | -0.038 | t | 33328 | KSGRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.021 | -0.02 | t | 12584 | EISTNIRQA GVQYSR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.02 | 0.009 | 0.01 | t | 50580 | QEERPPET | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.03 | 0.032 | t | 117598 | PEPAKSAPAPKKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.01 | -0.01 | t | 18951 | GDDMDPELRGLAQA | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.01 | -0.01 | t | 18951 | GDDMDPELRGLAQA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.021 | -0.022 | t | 32280 | KMADPNRFRGKDLPV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.033 | -0.039 | -0.04 | t | 99916 | CIPPLCKLR LHE | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.103 | -0.11 | -0.107 | -0.107 | t | 106621 | LRKRL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.021 | t | 68034 | VDPDDVNKNTLQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.003 | 0.01 | t | 144763 | RIEDPPFN SLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.048 | -0.051 | t | 142007 | SDWRFLRGYHQYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.04 | t | 98799 | GGFGPVLDGW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.02 | -0.03 | -0.032 | t | 12137 | EGCKLSCFIRPSGYC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.02 | -0.03 | -0.032 | t | 12137 | EGCKLSCFIRPSGYC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0.005 | 0 | 0.001 | t | 60170 | SPNVSVPS SSSTPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.013 | -0.012 | t | 70153 | VNPNNAAAL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.03 | -0.027 | -0.021 | t | 122097 | FPGWQPG MPTIPTAP PTTPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 46774 | PAEEEEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.052 | -0.06 | -0.06 | t | 106591 | LARHAKA HIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.009 | 0.01 | t | 72429 | WFRMGG NAAIPITV MEYTE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | -0.003 | 0 | t | 123013 | AIFSQFGQ ILDILV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.009 | 0.01 | t | 69839 | VLVNANN SSSSHQSI YN | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 74796 | YLLPRRGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 42790 | MTDVSRKI RAWGRRL MIGTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 110591 | GDPGRPG EPGLPGAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.01 | -0.012 | t | 107375 | GDDNLAP NTANVQ MT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 78667 | GPKRIRTG DR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.041 | -0.027 | -0.026 | t | 13670 | EPIRDALN AMTQNIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 115200 | DAYPSGA WYYVPLG TQYTDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.013 | -0.012 | t | 106093 | RSLPYSPYS PQTQPK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 94885 | NAYANEE ATK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.042 | t | 27678 | INKVVRFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 98794 | GERQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 57736 | SFDADTIRI A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 139841 | PAGRQAR RPATVPEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 135939 | IPVLDENG LFAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 141683 | KDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 139860 | PVQRGAW RWPVVTN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 141693 | KTWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 107345 | EQRRAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 107345 | EQRRAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 100129 | HYKWLND PLAAW | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 95032 | PAGTGDRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 69627 | VLLRRIGG | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 65514 | TPAYYTKD TNNNLTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 95051 | YSQFEKSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 78695 | KDTNNNL YNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 69627 | VLLRRIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 64628 | TKNTNNN LTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 65698 | TPPRPAGD NATVAAG HAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 65698 | TPPRPAGD NATVAAG HAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 59326 | SLITYMK M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 52891 | QYDSNGT KLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 47014 | PAYYTKDT NNNLTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 24249 | HLLRLSEI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 30262 | KDTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 3825 | APSSPGTP GVAAATQ AANGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 7673 | DAVTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 7674 | DAVTELDK N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 7865 | DDQTYISP SLFV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 1547 | AGHATLRE HLRDIKAE NTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.038 | 0.03 | 0.03 | t | 106305 | CHTHEGG QLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.026 | 0.012 | 0.02 | t | 22445 | GSPLRQRS L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.01 | -0.01 | -0.008 | t | 19862 | GGGTHNQ WNKPSKP KTNLKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | -0.003 | 0 | t | 97210 | AQGALERE LKRTDLNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.007 | -0.011 | -0.01 | t | 7239 | CTTSGLAS LFNSGARQ H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.013 | 0.02 | t | 127965 | EQQSAVD ADDSHFVS IELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 135663 | EGGRDSC Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.017 | t | 131504 | KATLVCLIS DFYPGAV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.018 | t | 151653 | HWYRATH QEAINCYA NETC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.01 | -0.01 | -0.008 | t | 4701 | ASQKIQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.021 | -0.02 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.009 | -0.021 | -0.02 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 9597 | DPAPPNA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 9597 | DPAPPNA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 9597 | DPAPPNA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 78077 | YPYSMWK NLWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.028 | -0.027 | t | 138191 | HPTWSSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.01 | 0.01 | t | 57001 | SASTKNKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.055 | 0.041 | 0.042 | t | 20793 | GLDFNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.006 | -0.001 | 0 | t | 29578 | IYFMQRQ DVLDKNH | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.044 | -0.048 | t | 132612 | RKRREKIER R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.026 | 0.03 | 0.032 | t | 122090 | ESPQEISK HQALG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.033 | -0.03 | t | 49950 | PVRVAWS SPVQNCEP WIPP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.014 | -0.021 | -0.02 | t | 30409 | KEGRFKSQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.001 | t | 122290 | CSNSSSSQ FQIHGPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.007 | 0 | t | 126921 | RERRGIAL D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 110965 | PNNNKILV PKVSGLQY RVFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.071 | -0.07 | -0.07 | t | 127963 | EPKPKKAP AKKGEKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.059 | -0.067 | -0.071 | t | 46856 | PALPVWA R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.035 | -0.04 | -0.038 | t | 2156 | AKAVAAW TLKAAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.078 | 0.08 | 0.073 | 0.083 | t | 134770 | QIFNLFSTK DSSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.078 | 0.08 | 0.073 | 0.083 | t | 134770 | QIFNLFSTK DSSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.022 | -0.011 | -0.01 | t | 39925 | LTGNSTLS SDYAQAR APAAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.01 | 0.016 | t | 37640 | LLPAAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | 0 | t | 10320 | DTDSGYD VPDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.031 | -0.03 | t | 33215 | KRRLRPSR VRIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.027 | -0.02 | t | 117295 | GITKPAIRR LARRGG | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 133623 | KPGEMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 144623 | EEAEGTTD AQIDANRK RESE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 137944 | PGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 137944 | PGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 137942 | PGSEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 109917 | SHQESTRG RSRGRSGR SGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 80002 | RKADLEKA LEGAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 74045 | YGLLAVDP LFKP | Gallus gallus |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 76290 | YVHDNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 16123 | FHLPYNHN WFAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 11570 | EEEDDD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 22793 | GTQFTFDS WNYSFED NYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 6093 | CDCDRTA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 4331 | ASARGDLA HLTTTHAR HLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 6226 | CFGNSEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 144777 | SGTHMNL YLHDTAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.011 | 0.007 | 0.011 | t | 99394 | KQAKDLAF PGSGEQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.023 | 0.02 | t | 59571 | SLVTCPAQ GSLQSSPS MEIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.01 | t | 22128 | GRLHLND RVVVAPD KEILYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.031 | t | 31018 | KGNCSGPT TIR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0 | 0 | 0.002 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 124202 | GPAQITCT PRGWDSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | -0.001 | t | 102118 | THEDFRYD DVFEQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.02 | t | 17295 | FPGGGQIV GGVYLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 17295 | FPGGGQIV GGVYLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.047 | 0.047 | 0.052 | t | 46895 | PAPQAPY QGYQEPP APQAPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 132262 | ELNVTVV TFFCRPHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.014 | -0.017 | -0.018 | t | 94695 | SNNPTCW AICKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 133624 | KPGEMRG AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78258 | RGNVLR | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.006 | 0.007 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 117594 | NWHQLH GKKEAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.027 | -0.028 | t | 106458 | GKDPNHF RPAGLPEK Y | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 78488 | PRHQAPT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.02 | 0.021 | t | 118581 | RDRDRDR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.028 | -0.029 | t | 40323 | LVETWKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.032 | -0.03 | t | 8408 | DGIMHTR CHCGAEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.012 | t | 7864 | DDQPSSH QPLFY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 111546 | MHPSNSK SPPRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 58132 | SGLVGLFT PGAKQNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.029 | 0.039 | 0.043 | t | 41169 | MAVPAFS DIAKSAND LLNKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.012 | -0.023 | -0.02 | t | 59117 | SLGAAQV VLPRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.009 | 0.01 | t | 56202 | RTTTASGK LIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.023 | -0.03 | t | 131116 | TQSYPPPP AWRAASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 135492 | RAEIM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.011 | -0.01 | t | 47690 | PGKKTTTK PTKKPTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.01 | -0.008 | t | 100029 | FAMWRIT YKDTVQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.036 | 0.027 | 0.033 | t | 49533 | PSTPGDNP LV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.009 | 0.011 | t | 103499 | PSRTWSPP FESEDSQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 11813 | EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 66976 | TVDNPAST TNKDKLFA VWK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 66976 | TVDNPAST TNKDKLFA VWK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 66976 | TVDNPAST TNKDKLFA VWK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.003 | t | 66976 | TVDNPAST TNKDKLFA VWK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 44474 | NKDKLFAV WK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 44474 | NKDKLFAV WK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.003 | t | 44474 | NKDKLFAV WK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 44474 | NKDKLFAV WK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.027 | -0.029 | t | 32827 | KPPNKPN NDFHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.026 | 0.02 | 0.02 | t | 58990 | SLAELLNA GLGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153435 | NTPAANN RARREAP QYM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.002 | t | 71284 | VTEEI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.002 | t | 38522 | LPHSNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 14435 | ETIYNTTLK Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 23269 | GWLAGLF YQHKE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.003 | 0.002 | t | 11999 | EFGLDGV T YEIDLTNK NA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.014 | 0.02 | t | 118452 | KGVITVKD GKTLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.034 | 0.04 | t | 32596 | KNQLAGK DEYEAKQK EAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.023 | -0.02 | t | 2005 | AILSSLTV T QLLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.013 | 0.013 | 0.01 | t | 48818 | PPLENRVL TGWGLN | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.013 | 0.013 | 0.01 | t | 48818 | PPLENRVL TGWGLN | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 98794 | GERQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 105651 | AEFRHDS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | -0.004 | 0 | t | 66683 | TTKQRQN KPPNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.017 | 0.019 | 0.02 | t | 19482 | GEYGGVIK DGTPGGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 115298 | IQAFLLYQ EPVLGPVR GPFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.014 | 0.021 | 0.022 | t | 70026 | VMTVEIRK QNMTEF MELWSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.016 | 0.02 | t | 72294 | WEDGEK RIPLDVAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.03 | 0.01 | 0.01 | t | 123779 | TMELMLS M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 117437 | AIALREYRK KMDIPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.012 | t | 107229 | RHEVTEM GQEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.02 | 0.022 | t | 122508 | PCGEESVL LDRKSGKQ YSIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.02 | t | 25626 | IDLTKNA AKLRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.02 | t | 47333 | PEKPHFPL AAEDDIRH H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.016 | 0.001 | -0.005 | t | 60978 | SSEVAVLY QDVNCTD V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.01 | -0.008 | t | 50824 | QFYQLDAY PSGAWYY VPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.008 | t | 100220 | KNNLDPLS EKGLTT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0 | t | 97069 | VQPQVNEIR | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 122889 | RLDASFQEH HPDLPG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | -0.003 | 0 | t | 54786 | RLTENTEP LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 156889 | HNRKCDY YIAECNVMP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.003 | 0 | t | 62003 | STWHVLYS PNVSVPS SSTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.018 | t | 134235 | SMENPGL WILGCHN SDFRNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 60770 | SRPSWGP TDP RR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.066 | 0.05 | 0.05 | t | 136061 | ETQAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.019 | -0.031 | -0.03 | t | 110619 | GPVGPAG GPGFPGA P | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.029 | -0.023 | t | 131066 | SGSRQVCK LARSLQPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.001 | 0.003 | 0.011 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.049 | t | 131050 | RRAEITHP GMMLASG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 110592 | GERGAPG NRGFPGQ D | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 58404 | SHRLHNT MPSES | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.037 | 0.03 | t | 119483 | KTKFASDD EHDEHDE NGATG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.046 | -0.05 | -0.05 | t | 60795 | SRSERR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.011 | t | 120172 | RKIPKRPG SVHRTPSR Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.005 | 0.01 | 0.011 | t | 120172 | RKIPKRPG SVHRTPSR Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.003 | -0.007 | -0.009 | t | 24468 | HPLASSPL FAAP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.02 | t | 141846 | AEKDHSRLR GDN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.009 | 0.01 | t | 50160 | PYQPVSNL TATTQGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.05 | t | 48681 | PNNDFHF EVFNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.007 | -0.01 | t | 51844 | QPGPSREY RYVLRTP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.003 | 0 | 0 | t | 52822 | QVYLNGD KTKPVTLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.02 | 0.01 | 0.009 | t | 97633 | SDISLELPL SQETFSGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.019 | 0.02 | t | 31320 | KILGCDWY FVPTDEG WTND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 122452 | KTTKQSFD LSVKAQYK KNKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 111380 | GTGSGTG GRTGYIPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.026 | -0.03 | -0.03 | t | 67436 | TYQRTRAL V | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.043 | 0.04 | 0.04 | t | 48562 | PMILTITLN GTSEST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.019 | t | 127898 | YEENLGDS IV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.01 | t | 48827 | PPLPHV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.053 | 0.061 | t | 108155 | TDHGAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.053 | 0.061 | t | 108155 | TDHGAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.017 | 0.012 | t | 57632 | SESTEGDA MEDIKQM EAESI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 142451 | QTGGNRE RRNTSDTV DDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.01 | t | 45151 | NNKSQSVI IINNSTNV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.021 | t | 125185 | NSSSSQFQ IHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 134804 | TIFILCCSK EKRRKKQA AT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.007 | 0.01 | t | 14592 | ETVKTNKK NVTVQEL DLQAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.007 | 0.01 | t | 14592 | ETVKTNKK NVTVQEL DLQAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 119477 | KKTKGLVT T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.019 | 0.011 | 0.01 | t | 71887 | VVVTPDKE I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 125386 | DVSQTSVT ALPSKGLE HLKE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 140619 | YSDWDYS EGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 12632 | EKASVPGG GDMGGM DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.038 | -0.05 | -0.052 | t | 121070 | WVYYTCC PDTPYL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.04 | t | 58057 | SGGSVASG GSGNSRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.03 | 0.032 | t | 129829 | RSGVSLAA LKKALAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.013 | 0.012 | t | 50845 | QGDRGVG SSAVILDD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.042 | t | 119636 | RMARMA RKAGNFYV PAEPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.036 | 0.041 | 0.042 | t | 21096 | GLRAQDD YNGWDIN TPAFEW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.053 | -0.06 | -0.06 | t | 141953 | LTACKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.001 | 0.004 | t | 138198 | KPTSTLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 99559 | QEEREFSP RGQHSRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.037 | -0.041 | -0.039 | t | 103551 | RILTLPRSN PS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.003 | 0.01 | t | 133775 | AETNRAPF DLAEAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.021 | t | 96790 | QQNIIDP WIMN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.02 | t | 69292 | VKPPNPRP TMSLW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 140603 | STEHSEAD LW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 118763 | CYGSFARP MN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.033 | 0.033 | 0.04 | t | 134133 | LGGAKQA GDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.038 | -0.037 | -0.039 | t | 1454 | AGASDIRD QSRNWLP GPCYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.045 | -0.047 | -0.05 | t | 49855 | PVEIRRGV ML | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.003 | -0.001 | t | 99225 | EREEDWR QPREDWR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.054 | 0.051 | 0.05 | t | 145997 | SASDQPT QYEEEMT DYQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.03 | t | 5066 | ATNGDTH LGGEDFD N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 120398 | AIEGVKYI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.033 | 0.033 | t | 118538 | NNGNLQL RKEVTWE VLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.027 | -0.018 | t | 113183 | SYGAPATP AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 159080 | RSNHNRR PGYKTQS QG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.01 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.001 | -0.011 | -0.01 | t | 1464 | AGDDDLDD GDLNGDD RR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.004 | -0.006 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0 | 0 | t | 110868 | GNVSPGT RREYHTEK LVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0 | 0 | t | 110867 | GNVSPGT RREYHTEK LVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0 | 0 | t | 110866 | GNVSPGT RREYHTEK LVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 73024 | WREDWG QLSGTAVP PQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.006 | 0 | 0 | t | 73024 | WREDWG QLSGTAVP PQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | t | 108937 | EWGSNDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0.009 | -0.001 | 0 | t | 27946 | IPLVGAPL GG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.018 | 0.02 | t | 21096 | GLRAQDD YNGWDIN TPAFEW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.019 | -0.02 | t | 120550 | GDVQPAE VVAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0 | t | 119573 | EWEDTYGI VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.02 | 0.013 | 0.01 | t | 45584 | NQLSCDLI GQKLGLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.013 | -0.009 | t | 21683 | GPLDRAFS WRLNPRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 107482 | KGEPGLPG RGFPGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.004 | 0.011 | t | 108497 | KIGPELHG L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.039 | -0.04 | t | 137887 | GSSHHETH YGYA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.01 | t | 11850 | EEQTQQIR LQAEIFQAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.01 | t | 11441 | EDSITIPYQ GSGKGV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.021 | t | 120869 | PGYRSISG PDPRIRKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.007 | -0.008 | t | 3180 | AMQWNS TAFH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.012 | -0.013 | -0.011 | t | 99358 | ITNPINLRE GEPDLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.052 | -0.053 | -0.053 | t | 106118 | SPRGQHG RRERAGQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0 | 0.002 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.031 | -0.03 | -0.029 | t | 18933 | GDAKKKK DGKKAEPK NPREN | Aotus lemurinus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.076 | -0.063 | -0.073 | -0.081 | t | 115639 | QFRVIGPR HPIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.066 | -0.063 | -0.073 | -0.081 | t | 115639 | QFRVIGPR HPIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.019 | -0.02 | t | 32128 | KLRGDLRQ WVSAGRR VGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 111653 | PVPVSKVV STDGYVA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | t | 68719 | VGLLSVEE LVPGGAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.026 | t | 97479 | LTAWNPSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.012 | t | 632 | ADASLKM ADPNRFR GKDLP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.008 | 0 | 0.004 | t | 125211 | QHWSYGL RPG | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.009 | -0.007 | t | 78695 | KDTNNNL YNGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 118060 | PPPGMRP P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 25105 | HVTNDCS NSSIVFEA ADLIM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.05 | -0.049 | -0.05 | t | 138025 | RVPRISCGI NYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.065 | -0.057 | -0.06 | t | 95635 | NPTKQEH GAPEDSIR HVGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 108061 | PGAKGLP GPPGPPG PY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | -0.003 | 0 | t | 78638 | EKSLTSLSE VVLQNR GLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.002 | 0 | 0.002 | t | 38268 | LNLPWSSA GSTVWRN RETL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 61166 | SSLKSSALH RLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.018 | t | 57303 | SDVAGLEK DPVAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0 | -0.016 | -0.011 | -0.01 | t | 22423 | GSNDDLW HQWKRM YNKEYN | Rattus rattus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.046 | -0.049 | -0.049 | t | 58073 | SGHMAW DMMNWS PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.041 | 0.037 | 0.04 | t | 99484 | NALRRPFY SNAPQEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.041 | -0.049 | -0.048 | t | 17876 | FSVPWPT RPPHW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-----------------------|--------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 96059 | AANNAKN AAL | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.004 | t | 6478 | CKFTLVLT CGSQVL | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.038 | -0.037 | -0.04 | t | 121112 | AACDPRH GRYLTVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.011 | t | 120123 | PDTPYLDIT YHFIMQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.011 | t | 120123 | PDTPYLDIT YHFIMQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.011 | t | 120123 | PDTPYLDIT YHFIMQRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0.001 | t | 110766 | AIKSEVSLT GAL | Macaca |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 98822 | IEAGAIGFK IHEDWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 110818 | DSTNNNK YTVTL | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 110949 | NAEKVLEK LGYA | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 110839 | ETTSQMIV KDIK | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 55641 | RRLGRQTY DNES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 39146 | LRNCEQDF FTLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0 | -0.003 | 0.001 | t | 20064 | GGVATY | Macaca |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 14223 | ESNPVDG AHLSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 19737 | GGGAGAG GAGAGGG GR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 1254 | AFAQAPT HQLSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.046 | -0.05 | -0.05 | t | 112507 | FAVLKLM GRGTK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.02 | -0.02 | t | 49705 | PTLNGDD RHKIVNVD QRQYG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | -0.001 | 0 | t | 65899 | TQNGGSS ACKRGPDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 77975 | QACQNN TCPRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.028 | -0.02 | -0.02 | t | 102688 | NPVLPICV RTNEEFDP VDDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.012 | 0.02 | t | 110812 | DPVGPLDP SIVSLVEES SFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 123027 | APGMRPP MGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 118997 | RKTHCSGR KH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 123636 | PVGPA MRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 96828 | RLKEEED KK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 96385 | IFDNFLITN D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 96463 | KIKDPDAS KP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 96455 | KGKNVLIN KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 96215 | EEEEAEDK ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 96503 | KSGTIFDN FL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 96808 | QVKSGTIF DN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.002 | t | 96328 | GLQTSQD ARF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.002 | 0.008 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | MD |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.017 | -0.018 | t | 47333 | PEKPHFPL AAEDDIRH H | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.007 | -0.01 | -0.012 | t | 136685 | TLFTPDKS PAKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.017 | -0.021 | t | 69166 | VIYHKPLA GVYRALKK QIG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.02 | 0.021 | t | 58381 | SHLPYIEQ GMQLAEQ F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.017 | 0.01 | 0.01 | t | 41608 | MGPNLVL PDQKPPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.027 | t | 102860 | TPYTSLYT W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.013 | 0.012 | t | 7173 | CTKPTDG NCTCIPIPS SWAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0 | -0.001 | t | 141566 | SSIVIPAAV GIKLNVT DA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.027 | -0.028 | t | 40323 | LVETWKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.031 | t | 136542 | PDGSESPT DQET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.021 | 0.01 | 0.01 | t | 94549 | ICCNPACG PK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | -0.001 | 0 | t | 20089 | GGWNTG GSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0 | t | 56713 | SAARSTGS FAKLFMP G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.004 | -0.001 | 0.002 | t | 50636 | QELDCWH YHQYCITS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.004 | -0.001 | 0.002 | t | 50636 | QELDCWH YHQYCITS | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 127688 | HWHRPSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.04 | 0.028 | 0.019 | t | 96215 | EEEEAEDK ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.017 | -0.02 | t | 158837 | IHNDVEA WIDRYKYY P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.013 | -0.012 | t | 23077 | GVNPNNA AGLPGKC G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.029 | t | 24167 | HKYSSDLL QQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.013 | -0.027 | -0.022 | t | 136138 | APYDTPW PSPSL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.037 | -0.04 | t | 120506 | EPGLTWQ SCSCRANG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.007 | -0.008 | t | 74494 | YKPWCEM NKCKPLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.02 | t | 95137 | RGLSLGM RLEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.023 | t | 130581 | QAFDSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.051 | -0.06 | -0.061 | t | 96771 | QFFRRMD Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.037 | -0.041 | -0.038 | t | 52006 | QQDAKLT WR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.05 | -0.061 | -0.06 | t | 66914 | TTWNPTLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.012 | t | 6127 | CDPPIDLD C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.049 | 0.043 | 0.052 | t | 134685 | GVSSYMK VSICLPMD VE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.017 | t | 144793 | SYGGRKGT HPGLEMP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.019 | -0.02 | t | 47626 | PGCIVPAS QV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.049 | 0.043 | 0.039 | t | 110999 | REEAENTL QSFRQDV NTLQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.016 | -0.023 | -0.02 | t | 54509 | RLDLAML AAIRRVYG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.037 | -0.033 | -0.027 | t | 141267 | FEGWFN | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.036 | 0.04 | 0.042 | t | 64490 | TITGSPIT YSTYGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 140254 | KYEHGGNI ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 140254 | KYEHGGNI ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.01 | 0.001 | 0 | t | 19974 | GGPTRTIG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0 | t | 62908 | TALGKLQD VVNQNAQ AL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0 | t | 62908 | TALGKLQD VVNQNAQ AL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.011 | t | 103830 | CHAVKVG NPSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.018 | -0.018 | t | 107010 | YESPPKFW FISP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 107030 | YTPSPDDL VSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.05 | -0.049 | -0.05 | t | 70402 | VPNTNIKL YVRRVFIT DEFR | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.01 | t | 106304 | CDRSYTTR RW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.008 | -0.003 | -0.002 | t | 157770 | QEYEQHR RQQQH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.01 | -0.01 | t | 6517 | CKRGPDS GFFSRLN WLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.002 | -0.019 | -0.021 | t | 98939 | PQPGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.049 | t | 119520 | RRKLRTNA G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 105497 | RHDSGYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 105164 | EFRHDSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.006 | -0.01 | -0.01 | t | 52059 | QQLIVARQ KLKDAE | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.034 | -0.04 | -0.038 | t | 1165 | AESPKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.046 | 0.05 | t | 119011 | SGPEGSG GSGPQRR GGDNHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.046 | 0.05 | t | 115600 | DHSYQEEA AMEL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.005 | -0.01 | -0.012 | t | 132893 | SDELRQRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 5582 | AVTRGTIN DPQRAKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.005 | -0.01 | -0.01 | t | 21365 | GMYGGTY LVEKP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.018 | t | 130916 | KEDFDIYD EDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.048 | t | 40495 | LVNSVSTK EGDSSNTG AGKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.021 | t | 125185 | NSSSSQFQ IHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.007 | 0.008 | t | 48332 | PLGFFPDH QLDPAFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.018 | t | 106487 | GTSTEVWL APDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.019 | 0.021 | t | 6480 | CKGLNGLF DLGPKQKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.017 | -0.02 | t | 57045 | SAWDVRP LTETRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.017 | -0.02 | t | 57045 | SAWDVRP LTETRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.017 | 0.02 | t | 117346 | PSALLRQF TTAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 156893 | IPHPKLGD PRPM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.022 | t | 108989 | FRCQVQFY GLSENDE W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.032 | 0.047 | 0.039 | 0.042 | t | 106618 | LPWYQIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156851 | AQMIIRLS SPGN | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 122202 | TSPPLLWD SVHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.023 | 0.03 | t | 107853 | GFBGADGI AGPKGPB GER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.058 | 0.047 | 0.051 | t | 18809 | GAVDSILG GVATYGA AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.04 | 0.04 | t | 5274 | AVASPPAT ASVSSPL PAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.011 | 0.018 | t | 96823 | RKEEEEAE DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.047 | -0.04 | t | 117947 | KFKGKATL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.047 | -0.04 | t | 117947 | KFKGKATL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 105070 | AEFDLDIT AGTEAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.05 | 0.043 | 0.051 | t | 134043 | EITRTTLQS DQEEID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.007 | t | 58409 | SHSAFNM FDFGVGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 105702 | CVYDQYG TEFEDYSY ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 43568 | NEDEQIGA RIVLKALSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0.014 | 0 | 0 | t | 60116 | SPLLGCIGS TCAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.012 | -0.013 | t | 99061 | WYSLAMA ASD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.023 | -0.017 | -0.01 | t | 141671 | IAESKQLT VKQKTEQI K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.037 | -0.037 | -0.028 | t | 145539 | SSTLCFWF PLAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.026 | -0.03 | t | 131367 | ATWSPSK ARLHLQGR SNAWR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.082 | 0.067 | 0.053 | 0.06 | t | 127801 | RGTVLYKN EVGE | Rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0 | 0.002 | t | 140506 | THYGSLPQ KSQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 21729 | GPPLGCLS LSCYDVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.016 | 0.002 | 0 | t | 17279 | FPELTCWT CLASS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 39825 | LTCGFADL MGYIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 115235 | EQQQTED ELQDKIHP FAQTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.053 | -0.05 | -0.049 | t | 115271 | GQKGRGS RG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.012 | -0.011 | t | 34210 | KVTAFQH QNSKKTTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.008 | t | 22639 | GTEKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 135580 | MDIPPPTG PT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 136593 | RHYKQYQ FHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 140549 | DGEWPRE GWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.04 | t | 41004 | MAARLCC QLDPARD V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 96761 | PTPPVKPT APTPTYE TEK | Homo sapiens(human) |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.007 | 0 | t | 138203 | MGEFFMP YPGTRIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.011 | t | 1406 | AFTPDWM MEVAIDN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.01 | 0.011 | t | 1406 | AFTPDWM MEVAIDN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.032 | -0.03 | t | 70421 | VPPLRVW RHRARSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.01 | t | 7004 | CSGLVGLF TPGAKQNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.01 | -0.02 | -0.02 | t | 13972 | ERDPANIP WDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.045 | 0.04 | 0.041 | t | 135915 | EEVGSILYG LGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.033 | -0.03 | t | 52031 | QQGNGIF GMIFPGCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 77975 | QACQNN D TCPRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.011 | t | 106119 | SQNSAEG AW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.015 | -0.026 | -0.03 | t | 142434 | KSTEDLSV AKDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.059 | -0.063 | -0.058 | t | 114997 | YTNDCLLC AY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.023 | 0.022 | t | 111821 | TEETQTTI QRPRSEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 124588 | PQEETLQA FDSHYDYT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 119649 | SYCEIIVTH FPFDQQN CT | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 119642 | SEHETRLV ANLLENYN KVIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 126761 | NLASSTIIE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 106322 | DAEFRHDS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 70656 | VQTRHVV QHRSRSES SIESF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 95524 | KRQIYTDIE MNRLGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 66976 | TVDNPAST TNKDKLFA VWK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.003 | t | 63037 | TAVSPTTL R | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 74436 | YKDGTLTP LSTKDLTTY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 97339 | GIFGAIAG FIEGGW | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 63037 | TAVSPTTL R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 44221 | NIETVIEFQ QKNNRLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43946 | NFVPTSVT EGRTDITT M | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 39092 | LRGDLQVL AQKVARTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 53326 | RDALPNTE ASGPTHSK E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.013 | 0 | 0 | 0.003 | t | 59967 | SNYYSDNE IEQHTAKQ PKL | Mustela vison |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 53018 | QYPALT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 44474 | NKDKLFAV WK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0 | 0 | 0.003 | t | 54058 | RHKQKIVA PVKQTL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 37056 | LKVIRKNIV KKMIE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.003 | t | 53018 | QYPALT | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 29290 | IVGPKASK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 14808 | EVLYLKPLA GVYRSLKK QLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 34806 | LAHLTTTH ARHLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 6832 | CPRPPRAV AAYGPGV DYK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 279 | AALGDSLY GAASLNDF GILA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 10227 | DSSAHGTP STPA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 4331 | ASARGDLA HLTTTHAR HLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.009 | -0.009 | -0.01 | t | 65204 | TMGEAHN DKRADPA FVCR | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.009 | -0.009 | -0.01 | t | 65204 | TMGEAHN DKRADPA FVCR | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.009 | -0.009 | -0.01 | t | 65204 | TMGEAHN DKRADPA FVCR | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.03 | -0.02 | -0.019 | t | 95130 | PGIFKSSCY IDVRWFPP DVQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.01 | t | 70277 | VPEDTLNK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.027 | -0.028 | t | 48752 | PPAVGPP AAGPPAA GPPAAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 137436 | QHDRLLM LSYLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.003 | 0.008 | 0.013 | t | 157447 | KDVTKEEY AAFYKA | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.02 | -0.02 | -0.02 | t | 68723 | VGLRTPQR FTDLVKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.041 | -0.04 | t | 62049 | SVARHKLP THTLRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 132860 | LKKLKPG L EKDF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.033 | 0.039 | t | 114193 | AEYYNKQY LEQTRAEL DT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.017 | 0.014 | 0.01 | t | 10996 | EAARCIDG AFTPKNRT AADG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 119775 | AVDNDGK TINKIDID | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.008 | t | 110113 | WYRQTM MRGLELLI YF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.003 | t | 133674 | RHRY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 66284 | TSKLFPKM PGLPFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 159025 | NLAIHSDL SYWIESRF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.004 | 0 | 0.001 | t | 58382 | SHLQLIYNL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.021 | -0.03 | -0.03 | t | 53407 | RDPVFYAF FGGVNYP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.018 | -0.003 | 0 | t | 2103 | AITFGGLL GE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.051 | -0.051 | t | 141935 | KKPGGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.014 | -0.01 | t | 1975 | AIKKRNAD AKADYEAK LAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.032 | -0.04 | -0.04 | t | 106553 | KAHILRW GNE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.013 | -0.01 | t | 142167 | GLRRDLDA SREAKKQV EKAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.041 | -0.039 | t | 152005 | MASHPVS LHAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.031 | -0.03 | t | 81856 | ETSRSVFH QNGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.009 | -0.01 | t | 70622 | VQPEKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135845 | WTEIHDW EAAME | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.009 | t | 119574 | EWESNGQ P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.026 | -0.027 | -0.03 | t | 48472 | PLSAGPPA AGPHIVTP PSAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.053 | -0.05 | -0.049 | t | 48076 | PKHVKA WIPRPPRLC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.02 | -0.016 | t | 39219 | LRTAPGPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.008 | -0.01 | t | 55490 | RQTEPCNL WFCPQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.034 | -0.04 | -0.04 | t | 68027 | VDMVAGA HWGVLAG LA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | -0.002 | t | 56712 | SAARIHDF RYSQLAKL GINP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.009 | 0.012 | t | 5467 | AVLTSMILT DPSHITAE TAKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | 0 | t | 36953 | LKLYDDKN ASL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.038 | -0.041 | -0.04 | t | 73607 | YDWRAD WVKGFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.041 | -0.04 | t | 73607 | YDWRAD WVKGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.019 | -0.02 | t | 19696 | GGDDPDH DPDHPHD L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.015 | 0.019 | t | 3508 | APDKEVLY EAFDEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.025 | -0.02 | -0.02 | t | 63250 | TDTRKDIN TVTTVAQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.001 | 0.012 | t | 131891 | GLLETNFT A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 106374 | EDHAGTY GLGDRK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.003 | t | 100070 | GLMVGGV VIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 68401 | VEVPGSQ HIDSQKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.055 | -0.059 | -0.06 | t | 97432 | KVTLGPKV RN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.03 | -0.028 | t | 146333 | ILVAYAPP GAQPPT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.024 | -0.02 | t | 17464 | FQDHPLQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.03 | -0.023 | -0.02 | t | 95657 | PKVTKEKP TPPVKPTA PTKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.02 | -0.02 | t | 54906 | RMIPKGT L | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0 | 0.002 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.005 | -0.018 | -0.02 | t | 98340 | PNPATAA GKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.021 | -0.02 | t | 54918 | RMLNILN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | -0.002 | t | 110812 | DPVGPLDP SIVSLVEES SFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | t | 8900 | DKILVQAN EAETTTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.01 | t | 118487 | LEIANAHR KPLVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.001 | t | 105206 | GAIIGLMV GGVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.01 | 0.01 | t | 40214 | LTTTERQH NAYRDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.037 | 0.032 | t | 125607 | YVSIDVTL QQLESHSF YNLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.03 | t | 107124 | GAPGLRG GAG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.033 | -0.03 | t | 24414 | HNTVPSL WYHNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.013 | -0.019 | t | 131020 | QLSPESDY DDHGMRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.004 | -0.019 | -0.021 | t | 66895 | TTVNAHQI LPKVLHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 114754 | CAHKVEQ GAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 7512 | DAGDHRA AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.011 | 0.012 | t | 61840 | STPSTPAD SSAHSTPS TPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.022 | t | 44978 | NMGLIAG AVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.019 | t | 110733 | VGENVPD DLYIKGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.046 | -0.05 | -0.05 | t | 157951 | SKRYAKA MAKMGLK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.041 | t | 115305 | KDERFFSD KIAKYIPQ YVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.023 | 0.02 | 0.02 | t | 123400 | KTKVLYHD VQMDKSN R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 54393 | RKLWCHH FC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.048 | 0.03 | 0.03 | t | 13650 | EPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.017 | t | 140546 | CNLWEVM HGTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.003 | t | 50180 | PYVEPTAP QVL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.008 | 0.01 | t | 48519 | PLVEHGLQ LAEQFKQK ALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.036 | -0.04 | -0.04 | t | 60978 | SSEVAVLY QDVNCTD V | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.029 | -0.036 | -0.04 | -0.04 | t | 60978 | SSEVAVLY QDVNCTD V | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.021 | t | 135939 | IPVLDENG LFAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.013 | -0.02 | t | 115057 | GLSLSRFS WGAEGQR PGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.009 | 0.01 | t | 65401 | TNQALKKE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.02 | -0.033 | -0.033 | t | 45561 | NQGQFEH FREC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.008 | t | 428 | AASEALDP HAFHLLN TYGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.021 | -0.019 | t | 53866 | RGFRKEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.016 | -0.007 | -0.008 | t | 48472 | PLSAGPPA AGPHIVTP PSAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.009 | t | 137288 | SDLSVIGH PIDSE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.009 | -0.007 | -0.011 | t | 59377 | SLNWSDR TI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.023 | -0.02 | t | 43705 | NENLLRFF VAPFPEVF GKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.053 | t | 104850 | KEGILQYC QEVYPELQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | 0.002 | t | 144785 | SKSIGWAD EEGR TKRY ALVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.007 | -0.008 | t | 31903 | KLIAQGGK AKICGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.026 | -0.037 | -0.04 | t | 14580 | ETTVVRRR GRSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 107668 | VSETLK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.008 | -0.017 | -0.019 | t | 105003 | TKSYWKAL GI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.003 | t | 3693 | APPPPEHR GGPEEFEG AGDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.032 | t | 15509 | FEDVKGTG GESRDLPS GQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.032 | -0.03 | -0.03 | t | 31554 | KKGSSGYC AWPACYC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.032 | -0.03 | -0.03 | t | 31554 | KKGSSGYC AWPACYC | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.032 | -0.03 | -0.03 | t | 31554 | KKGSSGYC AWPACYC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.042 | -0.053 | -0.05 | t | 111013 | RTGYIPLG TRPPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 96212 | EEAEDKED DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.007 | -0.002 | t | 117745 | ALLRNLGK MTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.028 | t | 57314 | SDWDCCD VCCNPAC AGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.034 | -0.039 | -0.04 | t | 70661 | VQVRI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.044 | 0.039 | 0.04 | t | 44142 | NHGNYS A QVGASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.044 | 0.039 | 0.04 | t | 44142 | NHGNYS A QVGASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.013 | 0.013 | t | 43160 | NAGVLTCS LSKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.047 | -0.051 | -0.05 | t | 80893 | DALRRLLY MIYMSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.038 | 0.041 | 0.042 | t | 53766 | RFQPFQQ FGRDVSD FTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 136703 | VDLFTSKG LFRAAVPS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.075 | -0.075 | -0.083 | -0.082 | t | 157158 | DDQCQRQ LQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.037 | 0.038 | t | 77923 | ISPTQLYA QVRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.011 | -0.01 | t | 53689 | RFDKGYIS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.025 | 0.023 | 0.02 | t | 60315 | SPVKSTTG MKTVAFD LSSPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.009 | -0.004 | t | 3176 | AMQMAY RF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.009 | 0 | 0 | t | 41053 | MAKGKRS TDAKGSQ RRQKKV | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.007 | -0.007 | -0.002 | t | 136521 | NAWLQEP NHRNL | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.008 | t | 47358 | PELVPEDP EDSALL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.001 | -0.01 | -0.01 | t | 53839 | RGDLQVL AQK | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.017 | -0.02 | t | 29937 | KARRPEGR TWAQPGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0.001 | t | 71353 | VTHESYQE LVKKLEALE DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.001 | 0 | t | 110620 | GQAGEPGI AGFKGDQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.058 | -0.067 | -0.06 | t | 122536 | QAQIHGP R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 119943 | IGLMVGG VV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 103496 | PRGYPGQ V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 40332 | LVFFAEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.02 | 0.02 | t | 33234 | KRVLEPLG L | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.037 | -0.04 | t | 67299 | TWVAGVF VYGGSKTS LYNLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.013 | -0.009 | t | 11253 | ECKETVP MNCSSYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.009 | -0.001 | 0 | t | 100810 | EAALSN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 130612 | SPNTAHIT SKSL | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 66406 | TSRSASLR QKKVTFDR LQVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 135562 | IHAMDIPP PTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.013 | t | 140665 | DTAAQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.05 | -0.05 | t | 135955 | LRLLLCLLL LSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.009 | -0.02 | -0.018 | t | 4224 | ARQPDLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.037 | 0.023 | 0.031 | t | 139602 | SDSMLSW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156852 | AYQLGYSP PPLPNPH | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.009 | -0.013 | -0.009 | t | 99619 | RLVLRRNA LRRPFYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.02 | 0.022 | t | 132907 | TCYDDM KIGFPEDL | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 149298 | ELDKWAS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.01 | t | 98339 | PMTPLSEP ALMPALQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.054 | -0.049 | -0.05 | t | 69701 | VLPPPRK MKGLFSQ AKISLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.029 | -0.04 | -0.04 | t | 141918 | IARGVRR LQA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.022 | t | 89658 | TQEENTER HTTEDVSP S | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.12 | -0.115 | -0.115 | -0.123 | -0.122 | t | 157172 | DRQMVQ HFKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 156943 | QFTPDKH MLMLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.01 | -0.021 | -0.019 | t | 73476 | YAYIDYNA LKFK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.017 | -0.018 | t | 144382 | KIQTSFHC CGVKGPD DYKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 107647 | TVLHQNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.024 | -0.029 | -0.028 | t | 133499 | AHSSPRSV WYEW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.03 | -0.037 | -0.042 | t | 3073 | AMDHEGC KFSCFIRP | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.019 | t | 53866 | RGFRKEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 141738 | REDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 136062 | FGISETQA EAILE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 73385 | YALADASL KMADPNR FRGKD | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 64884 | TLKREIEKD G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 66108 | TRTNPWP ALAEGEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 48933 | PPTAPPLL PHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 49015 | PQIPPNW HIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 44021 | NGKVNNK VAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 12951 | ELAPEDPE DS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 5109 | ATPYHPPA TP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 6361 | CGVVNNK VAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.027 | 0.032 | t | 65474 | TNVDQDL VGWPAPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | 0.001 | 0 | t | 21812 | GPTRTIGG SQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.054 | -0.056 | -0.06 | -0.062 | t | 53466 | RECGIKKG SSGYCAW | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.013 | 0.009 | 0.02 | 0.024 | t | 141056 | MSDGAVQ PDGGQPA VRNER | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.019 | -0.023 | -0.019 | t | 99097 | AGVALSRL VLRRNAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.023 | 0.028 | t | 114011 | VTTVTTHN NPTFTDPS VLQP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.015 | 0.013 | 0.01 | t | 133841 | GRGNGDP GGGMEKD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.023 | -0.02 | t | 50514 | QDRPTPSP APSRPFSL LRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.023 | -0.02 | t | 50514 | QDRPTPSP APSRPFSL LRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 21756 | GPRLGVRA IRKTSERSQ PRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.002 | -0.013 | -0.012 | t | 157340 | GQRREFQ QDRHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | -0.001 | 0 | t | 54989 | RNFTTAPA ICHEGKAY F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | -0.003 | 0 | t | 69659 | VLNENLLR FF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 153498 | WSPSKLYS ARDHGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.006 | -0.007 | -0.01 | t | 78839 | SRNLGKVI DTLTCGFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.01 | -0.012 | t | 21553 | GNYNKY RYLRHGKL RPFER | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.011 | 0.01 | t | 52000 | QQACKGKI QALCENP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.004 | 0.01 | t | 117386 | TRPINTAQ CGDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.029 | 0.031 | t | 155856 | SSWSDH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 48344 | PLGLQGCA FQSTVAEL QR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.039 | -0.038 | t | 21713 | GPNHTKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 133178 | KNFVKPNE TKTYFWK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.012 | t | 110761 | AENPTNY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.018 | t | 112860 | YAQPSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.051 | 0.034 | 0.038 | t | 55575 | RRGMEPH MSECCEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.051 | 0.034 | 0.038 | t | 55575 | RRGMEPH MSECCEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.032 | 0.02 | 0.022 | t | 115268 | GLQYTPS WLVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.018 | t | 115870 | NKVTLKGG KVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 120849 | NSQPEILE RTRAELD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 120849 | NSQPEILE RTRAELD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 28676 | ISQAVHAA HAEINEAG R | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 107214 | MVGGVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.033 | -0.031 | -0.031 | t | 10779 | DVVRDLPS GFNTLKPI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.035 | 0.02 | 0.02 | t | 9621 | DPEDSALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.038 | 0.029 | 0.026 | t | 10888 | DYGGDSTT PRPRYNAT TYLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.023 | t | 10320 | DTDSGYD VPDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.019 | 0.006 | 0.002 | t | 78123 | DSSPSV | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | -0.002 | t | 135466 | GSDYEDRY YRENMHR YPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.01 | t | 102945 | YGCYCGR GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.014 | 0.01 | t | 131227 | KHYPEVGP NGFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.039 | -0.04 | t | 63749 | TFSPRRH WTTQGCN C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.014 | -0.01 | t | 75455 | YQAKLTAY QTELARVQ KAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.013 | t | 65698 | TPPRPAGD NATVAAG HAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.014 | 0.01 | 0.011 | t | 55261 | RPPNAPIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | 0 | t | 34806 | LAHLTTTH ARHLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.036 | -0.046 | -0.049 | -0.05 | t | 49024 | PQLGPRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.02 | 0.02 | 0.02 | t | 114011 | VTTVTTHN NPTFTDPS VLQP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 114011 | VTTVTTHN NPTFTDPS VLQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.006 | -0.007 | t | 118581 | RDRDRDR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 108168 | TRSFQIQA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 108168 | TRSFQIQA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.031 | -0.032 | t | 30263 | KDTNNNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.013 | -0.011 | t | 6925 | CRGFTSFK KPPTPPPE PET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.013 | t | 106225 | ADIWLTPD PTTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.023 | -0.022 | t | 36948 | LKLSAQYG SLRKNAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 138626 | SQKDILER KRAAVDR VC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | 0 | -0.01 | -0.009 | t | 13743 | EPRCPYVG ADHFDPC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.019 | t | 122896 | RWNPADY GGIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.021 | -0.021 | -0.017 | t | 99210 | ELFTNRW NLQSLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.044 | -0.04 | t | 115599 | DEGGFTCF FRDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 55726 | RRRSQSPR RRR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0.001 | 0 | t | 89282 | SWYGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.016 | 0.001 | 0 | t | 89282 | SWYGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.02 | t | 46857 | PALSTGLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.021 | -0.021 | t | 130543 | LLKGKGDK AQIEKRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.036 | 0.04 | 0.042 | t | 112581 | LKKYTFWE VNLKEKFS ADLD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.017 | 0.007 | 0.01 | t | 106492 | GWVDHFA DGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.001 | 0.002 | t | 146185 | DAEFGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 56657 | RYSRNAVP NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 56657 | RYSRNAVP NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.027 | 0.01 | 0.006 | t | 145923 | NPPIPVGEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.021 | -0.011 | -0.01 | t | 71863 | VVTVRAER PGVDPDR EMLAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.042 | t | 95622 | NKPVEPTY EVIPTPPT DPVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.05 | t | 121814 | RRRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.024 | -0.04 | -0.039 | t | 30337 | KEDYRY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.02 | -0.02 | t | 8322 | DFSRQLQ NSMSGAS A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.018 | -0.01 | -0.008 | t | 30696 | KFAELLEQ QKNAQFP GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.013 | t | 953 | AEGRAINR RVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.05 | -0.063 | -0.061 | t | 69311 | VKRVKTW R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.017 | -0.011 | t | 121474 | KKAPAKKG EKVPKGGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.019 | -0.021 | t | 18982 | GDGAAGQ PAGDGAA GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.01 | -0.023 | -0.019 | t | 74506 | YKSDNIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.031 | -0.031 | t | 46804 | PAGFCDG YCKTHLKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.016 | -0.02 | -0.02 | t | 48557 | PMIHFGN DWEDRYR REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.037 | -0.041 | t | 79600 | LKFKTVRP VALPRALA PPRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 140695 | KGRFTISR DNAKSTLY L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.033 | -0.028 | t | 113535 | IGGRVHFF KDISPIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.031 | t | 95031 | NAYANEE ATKL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.063 | -0.071 | -0.073 | t | 130906 | IRGPGVLA GGRSAGAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0 | t | 47895 | PIFKDGRG CGSCFEIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.033 | -0.034 | t | 21851 | GQCKWV NGREICND RDRPTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.023 | -0.02 | t | 67266 | TWIGMN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.012 | t | 41869 | MKNQTFH LQGFVDGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.012 | t | 41869 | MKNQTFH LQGFVDGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.011 | t | 122291 | CTYILDPEK LTLRATYDN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.048 | -0.049 | -0.05 | t | 69746 | VLRTSPPH RPGVRMR RV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 140254 | KYEHGGNI ID | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.009 | t | 117506 | GGAHFSVS SLAEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119633 | QYTGHIT WTPPAIFKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.043 | 0.05 | 0.053 | t | 130485 | EVVTGSPR GDSQSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.043 | 0.05 | 0.053 | t | 130485 | EVVTGSPR GDSQSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.026 | 0.023 | 0.023 | t | 52420 | QSRGEAR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.055 | 0.049 | 0.051 | t | 38673 | LPRETHFG SHSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.026 | 0.02 | 0.021 | t | 22793 | GTQFTFDS WNYSFED NYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.014 | -0.021 | -0.02 | t | 47694 | PGLGAPVF HMTNYLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.043 | -0.05 | -0.049 | t | 117544 | KFRFLALKL YFSFTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.049 | t | 117544 | KFRFLALKL YFSFTRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 101706 | HEQPHWL LWQPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.019 | t | 122136 | LGRGGSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.012 | t | 107799 | DSGHRGY SGSQASD NEGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.022 | t | 136073 | LSKNNAIE PRSFSQNS RHPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.01 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 115600 | DHSYQEEA AMEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.008 | t | 60526 | SQPNTEQS PAIVLPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.034 | -0.041 | -0.039 | t | 133539 | CYKPGEW AC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.033 | -0.033 | t | 106775 | RHAKAHIL RW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.031 | -0.03 | t | 36312 | LGRWKAV EKSVMK H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.022 | 0.013 | 0.01 | t | 95252 | APVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.012 | t | 70133 | VNNKN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | 0.003 | 0.002 | t | 2322 | AKWAVPT TRTDDKLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 63848 | TGHRMA WMMMM NW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.011 | t | 59190 | SLINDMPI TNDQKKL MSNNV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.011 | t | 59190 | SLINDMPI TNDQKKL MSNNV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.016 | -0.01 | t | 117388 | TRPNSHM HTTPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 159002 | MACAHL KEADIKTA LEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 126151 | GMGCSSP PCECHQEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.031 | -0.037 | -0.04 | t | 52750 | QVMYVPP GAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.027 | 0.03 | t | 3385 | ANPPAST NRQSGRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.001 | 0.003 | t | 136567 | PYWKWQ YKYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.018 | t | 98698 | APKPAPQP GP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.029 | -0.023 | -0.02 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.043 | -0.039 | t | 118141 | SKGRRFKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 130583 | QCQTFGK TMLCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | -0.006 | 0.003 | 0.012 | t | 120956 | SMNSRGE KVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 140489 | MSQDGHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 48928 | PPSSPTH PPDSDPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 74485 | YKNTHLDL IYNA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.023 | -0.03 | t | 131116 | TQSYPPPP AWRAASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.04 | -0.04 | t | 122875 | PRGWNPG FLYNGFPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 61158 | SSLGSDHN ARWVKRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.043 | 0.049 | t | 53022 | QYPTLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156925 | NLVADFPR PLLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.028 | -0.043 | -0.042 | t | 13911 | EQQRFRN CQRYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.028 | -0.043 | -0.042 | t | 13911 | EQQRFRN CQRYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.017 | -0.008 | -0.007 | t | 157277 | FRAISTPRT GTMP | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.007 | -0.007 | -0.002 | t | 136631 | SHDGASSK IRPA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 159041 | NTFVIDGP ETKECPTQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.018 | t | 40610 | LVTFKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.047 | -0.051 | -0.048 | t | 28509 | ISGHRMA WMMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.021 | 0.01 | 0.009 | t | 24019 | HHSHSILQ SDWF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.008 | t | 52026 | QQFIYAGS LSALLDPS QGMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.01 | t | 49368 | PSFSDIPN PI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 108295 | CKRDSTW C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.042 | -0.047 | -0.047 | t | 114280 | CKWSVAH LC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.011 | 0 | -0.002 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | -0.002 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.03 | 0.03 | t | 53963 | RGRGRGE KRPRSPSS QSSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.044 | 0.031 | 0.03 | t | 64306 | TIGGSQAQ TA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 47228 | PDWDFNP VKDDWP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 47228 | PDWDFNP VKDDWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 47228 | PDWDFNP VKDDWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.051 | -0.049 | t | 106942 | TWHHHV WSPSPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.008 | t | 31154 | KHSMVDR GWGNCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.026 | -0.01 | -0.002 | t | 31067 | KGTAPEGV AFGNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 105206 | GAIIGLMV GGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 142204 | KLEEQNKI SEASRKGL RRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 59239 | SLLAPGAK QN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.038 | -0.037 | -0.03 | -0.03 | t | 123809 | VAVESRN GSRLHFNK | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.01 | 0.009 | 0.01 | t | 55965 | RSSRPLSEE NGEREYN | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.011 | 0.01 | t | 106597 | LDLKRTTT THTSGGG C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 57299 | SDTRGDP VFNLPEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.052 | 0.041 | 0.04 | t | 52003 | QQATRQA QD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.011 | 0 | -0.002 | t | 111603 | NVAVVVS ESGWPSA G | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.03 | 0.01 | 0.009 | t | 32865 | KPRPQPTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.018 | -0.02 | t | 29938 | KARRSEGR SWAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.031 | -0.039 | -0.04 | t | 589 | ACRAAK | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.03 | -0.026 | -0.008 | -0.033 | -0.018 | t | 103932 | GKLPPPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.009 | 0.01 | t | 59120 | SLGADSSI AYSNTTIAI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.011 | t | 136728 | VNYNGKE HLLIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | 0.003 | 0.002 | t | 14592 | ETVKTNKK NVTVQEL DLQAR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 67170 | TVSTEQNV PDPQVGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 21026 | GLLRYHTY ARFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 18363 | FWRGDLV FDFQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.004 | 0 | t | 75152 | YNGEYLIL SARDVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.004 | 0 | t | 22882 | GTVVAVG PGRWDE G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.004 | 0 | t | 4132 | ARDVLAV VSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.014 | t | 48555 | PMHECLS APSVCAD NY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117746 | ALREYRKK MDIPAK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.043 | 0.027 | 0.02 | t | 119569 | ESNGQPEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.009 | t | 26179 | IFVHGPTT VESHGNYS TQVG | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112845 | SWYARHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.029 | t | 144940 | RHVLGRLI TVNPIVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 156693 | IYVNVEPT FQRTLHKT K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 145951 | PVGPSDPS IVSLVEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.009 | t | 133542 | DGRRDVV VRSATFYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0.002 | t | 27987 | IPPTTTPVP PGYLI | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0 | 0.002 | t | 27987 | IPPTTTPVP PGYLI | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.017 | 0.019 | t | 53681 | RFAKYQQ QGRLEAR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.068 | -0.06 | -0.06 | -0.059 | t | 136358 | HMRKRTKI KKIR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.009 | t | 48125 | PKPQRKTK RNTNRRP QDVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.03 | t | 48688 | PNPLGFLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | 0 | 0 | t | 122897 | RYSDLLMA WGQYIDH DIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.088 | -0.085 | -0.086 | -0.09 | t | 133062 | EAPRRRSP SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 47185 | PDREVLQ EFDEMEEC GSHL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 5568 | AVTMGPK GRT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.017 | -0.01 | t | 101719 | HSHQVFN LLSLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 135566 | KCSRLYTA CVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.039 | -0.039 | t | 67615 | VAGRKKLE ELERDLRK TK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.01 | t | 68379 | VETLDIVTR SPTFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0.001 | t | 140053 | MEDDYNL KDMFSRA VTM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.02 | -0.018 | t | 31104 | KHFNLT PV GSQGIR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.017 | 0.022 | t | 118429 | IRYFILPDSL PLDTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.017 | 0.022 | t | 118428 | IRYFILPDSL PLDTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.001 | -0.01 | -0.01 | t | 2270 | AKQPATLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.001 | -0.01 | -0.01 | t | 2270 | AKQPATLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.029 | 0.021 | 0.02 | t | 94936 | SVFHQNG QVTEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.019 | -0.008 | t | 132067 | SLVLTNLEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0 | t | 44221 | NIETVIEFQ QKNRLLLE | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.037 | -0.03 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.037 | -0.03 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.037 | -0.03 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.007 | -0.01 | t | 5773 | AYFPREGV FVFNGTS WF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.003 | t | 99921 | DAEFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.049 | t | 159287 | KTQGHSY HLRRKNG VKHPVY | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.004 | -0.001 | 0 | t | 48562 | PMILTITLN GTSEST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.029 | -0.04 | -0.04 | t | 42053 | MLRTWL MKTQGIES W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | -0.002 | t | 110980 | QPLGVGIS GHPLLNLK DDTE | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.018 | 0.007 | 0.009 | t | 48332 | PLGFFPDH QLDPAFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.02 | t | 142576 | DGASYSW MYEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 25095 | HVSPTHYV PESDAAAK VTAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.036 | 0.04 | 0.042 | t | 78701 | KKFNSSAG DKQGNISI EKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.023 | -0.027 | t | 108217 | WWNMFQ MGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 61393 | SSTKNLIKN LTLCELN | Sus scrofa |

| | | | | | | | | | | | | |
|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 61393 | SSTKNLIKN LTLCELNV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 61393 | SSTKNLIKN LTLCELNV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.027 | -0.031 | t | 122874 | PPARALKR SLWVEVD LLIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.039 | t | 28277 | IRECTGLA WEWWRT V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.039 | t | 28277 | IRECTGLA WEWWRT V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 117331 | MKLVRFL MKLSHETV TIELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 3562 | APGEKDG KIVPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.01 | t | 41454 | METTVKA QPFLPKVL HKRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.003 | t | 78233 | PHSNLDHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.023 | -0.021 | t | 99454 | LRYQQQS RQSRRLSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.019 | t | 134100 | IPPWEAPK EHKYKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.025 | -0.04 | -0.04 | t | 79009 | KTWCD WCG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.008 | -0.017 | -0.018 | t | 85686 | LPNDVFRE AQRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.003 | 0 | 0.004 | t | 55783 | RRYQEERP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 132707 | TTQDRRK QEIIAPEK QTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.01 | t | 23156 | GVSTANA TVYMIDSV LMPPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.02 | 0.021 | t | 141758 | SWRNNILR TQES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 157220 | ERRQSRRG GRDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.08 | t | 142470 | RRGRRALR GTAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.003 | t | 78939 | CINHRGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.006 | 0.01 | 0.01 | t | 58938 | SKSIGGTP ALDRRVQ DVNDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0.004 | 0.003 | t | 50637 | QELDCWH YQHVCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.001 | -0.001 | 0 | t | 59985 | SPAQDIW GTSAAAYF VG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.017 | -0.01 | t | 128068 | PDYEPPVV HGCPLPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.021 | -0.017 | -0.011 | t | 122115 | IKGANDLA KFHQMLM KIIMK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.005 | -0.01 | -0.011 | t | 68813 | VGVIKSIAP ASKNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.006 | -0.007 | -0.009 | t | 54299 | RITQTTNR AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 41445 | METIKSIA DMATGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.004 | -0.008 | t | 47838 | PHIVTPPS ARPRIMAP PVVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.035 | 0.02 | 0.02 | t | 27507 | IMKAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 119624 | PDTPYLDIT YHFVMQR L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.029 | t | 130734 | AQTTANPS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.004 | -0.008 | t | 114941 | RQDENYEE AIVHLKVA ALGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.042 | -0.04 | -0.04 | t | 11216 | EAVRRHA RAYNATVI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.017 | 0.019 | t | 107110 | EKERRPSPI GTATLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.003 | -0.02 | -0.023 | t | 113010 | GRVSTEVD ARLSFDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.012 | t | 58418 | SHSSESHR VKSAGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.047 | 0.048 | t | 60470 | SQKGKQQ EEEENEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.047 | -0.053 | -0.049 | t | 55822 | RSEFPIW MMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0 | t | 151033 | MAARVCC QLDPARD VLCL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.007 | 0 | t | 122269 | ARQNLKD AGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.02 | -0.01 | -0.003 | t | 73074 | WSGKFPTL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 139830 | MKKISSVI AIALFGTIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 143853 | DTVGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 139935 | VIAIALFGT IATANAAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 117520 | GSFSDADL AD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 117506 | GGAHFSVS SLAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 100508 | SGYEVHH QKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 107233 | RSFTLASSE TG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 108600 | QLINTNGS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 98557 | TWFGAYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 75441 | YPYDVPDY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 74794 | YLLPAIVHI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 16755 | FLLTRILTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.029 | 0.027 | 0.031 | t | 57739 | SFDEDGFY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.01 | t | 15925 | FFTPKESE QLKVIKTFE GIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.02 | t | 3565 | APGEVTAF CS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.01 | 0.007 | 0.01 | t | 111043 | TLAEADRT NAEK | Macaca |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.012 | -0.02 | -0.021 | t | 110948 | MVTSDAQ IFNKPYWL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.02 | 0.01 | 0.009 | t | 31353 | KIMSKYSN TFEVNAYN MSDF | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.059 | -0.063 | -0.061 | t | 124384 | KRSRHF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.038 | -0.033 | -0.03 | t | 137395 | EESEDEKR RWGQRDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.045 | -0.048 | -0.05 | t | 809 | AEAAGRRL AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.034 | -0.038 | t | 68347 | VESMETT MRSPVFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 138304 | ATVQLPQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 134804 | TIFILCCSK EKRRKKQA AT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 138218 | PTPAPGPG RR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 149867 | PESFDGDP ASNTAPLQ PE | Mus musculus |

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|---|------|---|---|---|--------|---|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 135546 | DWEYS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 138608 | RVGAHDP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 136420 | KIHAREIFD SRGNPTVE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 125297 | VFFEEQED EIIGFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 133372 | SPSPTPTP GPSRRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 122377 | GLPRLETP ADLSTAIA SRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 117742 | AKAQTD EDLRTLLRY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 131762 | YAASSYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 120716 | KSAIEGVK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 117907 | HKAFKGSI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 117773 | CNSRQTD REDELI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 132690 | TCSADGGT LFYNLCL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 124588 | PQEETLQA FDSHYDYT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 107784 | DGSFFLY | Oryctolagus cuniculus |

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|---|------|---|---|------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 108074 | PQVYTLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 108630 | SHQESTRG RSRGRSGR SGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 107773 | CSVMHEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 108630 | SHQESTRG RSRGRSGR SGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 107784 | DGSFFLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 117383 | TLHKAFKG SIFVVFDSI ESA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 107949 | KSLSLSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 107814 | EGLHNHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 117246 | VTWEVLE GEVEKEAL KKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 108074 | PQVYTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 104569 | MASPGSG FWSFGSE DGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 20097 | GGYGDGG AHGGGYG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.022 | t | 91093 | AEFYQEVL FKGFE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 134160 | MGGPPM MPMMGP PPPGM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.009 | -0.008 | t | 10226 | DSSAATKK TAAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.013 | 0.012 | t | 16449 | FKQKARGL LQTATKQA EAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.015 | 0.01 | 0.01 | t | 55757 | RRVASFLIR GSAQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.019 | t | 130623 | TSDVEVNE KKERVTEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.02 | 0.01 | 0.009 | t | 1578 | AGKNQSQ KKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 144654 | GPHPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140826 | AHAAYLN ATPAAKVL VEGNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.002 | -0.011 | -0.01 | t | 47063 | PDCAICWE PSPWPAP E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.066 | 0.048 | 0.047 | t | 99013 | SPSSPEKES PEKEDQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.001 | t | 54688 | RLNNSKIYI NGRLIDQK PI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 118105 | RKGHFLLS SKSGFWTI WL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.02 | -0.02 | t | 132849 | KKVLGEKT ENPKKFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.02 | t | 94501 | EKQISDAS RQGLRRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.007 | -0.008 | t | 31557 | KKGSSIGK M | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.052 | -0.053 | -0.05 | t | 69856 | VLWVVKSTPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 71938 | VWIRTPPAYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.006 | -0.013 | -0.012 | t | 48680 | PNNAAGLPGKCGVNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.053 | -0.05 | -0.048 | t | 48076 | PKHVKAWIPRPRLC | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 114618 | SRSSSERKRRSESEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.03 | 0.03 | t | 66845 | TTTDSSTDQTI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.019 | t | 107656 | VGGVV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.036 | 0.019 | 0.02 | t | 139338 | VEDILY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.031 | -0.03 | t | 20719 | GKVSLEEF CRGFGCLKV WEVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 99922 | DAEFRHDSGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.013 | -0.01 | t | 73739 | YEPGRSLW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0 | -0.013 | -0.013 | t | 76385 | YVPLGTQY TDAPSFSD IPNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 156941 | PTEKKHV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.02 | t | 107127 | GEPGDDA PSGAEGPP GPQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.007 | t | 134002 | AKLVTILQ AHPLQQSYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 3518 | APDYVPPT VHGALPP R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0.004 | -0.01 | -0.01 | t | 149979 | TKLSHKN | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0.004 | -0.01 | -0.01 | t | 149979 | TKLSHKN | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.001 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.074 | -0.07 | -0.073 | -0.068 | t | 19943 | GGNRYPP QGGGGW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.007 | 0.008 | t | 8994 | DKTEIPTIN T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.002 | 0 | t | 73588 | YDSYICIMN FCGHAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.02 | t | 118192 | VAFSDEM VPCPVTTD M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0.002 | t | 79286 | LDWLWE WAEQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.061 | 0.051 | 0.052 | t | 81704 | ENATKVED IK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.021 | t | 5853 | AYKSAEGA TPEAKYDD YVAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.001 | 0.001 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.024 | 0.02 | 0.023 | t | 106771 | RERMS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.013 | -0.02 | -0.02 | t | 72183 | VYVIGFTLP IILKA | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.017 | -0.013 | -0.01 | t | 78118 | DKVTIDGY ETLIMSDE ST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.011 | t | 107744 | APVDSRTY TRVADHI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.01 | t | 7004 | CSGLVGLF TPGAKQNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.017 | -0.001 | 0.001 | t | 79278 | KSAVGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0 | 0.01 | 0.012 | t | 79743 | AALAARKA DLEKALEG AM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133622 | KPGDPSAL HVVRCWI C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 132206 | CTFVPRRK AGICFGDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.009 | -0.007 | t | 96457 | KGTVNLT WSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 41431 | MERVVEQ MCVTQYQ KESQAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.013 | -0.017 | t | 48751 | PPATVYRY DSRPPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.013 | -0.02 | -0.019 | t | 132802 | ESTLHLVLR LR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.028 | t | 140672 | EQIYRVDL RTLRL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.021 | t | 47492 | PFFTAAL TVMATAG VAAVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 32649 | KPAIIPDRE VLYREFDE M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.028 | -0.03 | t | 135983 | RLRPPEPR PRDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.02 | t | 76189 | YTTQCGYG GCMNFE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.01 | t | 9302 | DLTLNDLE TDVCTMD KCAGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 112845 | SWYARHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.029 | 0.038 | t | 118276 | AVEEGIVL GGGCA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.047 | t | 119670 | WESNGQP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.037 | 0.041 | t | 113580 | KPQQQSP QQQFPQQ QIPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.019 | 0.021 | t | 138162 | EKKYSPCA WEVVRAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.049 | 0.033 | 0.029 | t | 307 | AALVSGTA TAGWTFG AG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.047 | 0.05 | 0.043 | 0.04 | t | 47730 | PGQAEP QAFIDEV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.032 | 0.02 | 0.022 | t | 115268 | GLQYTPS WLVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.006 | 0.003 | 0.01 | t | 144615 | DNTSIYYG GLVSPAI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.008 | 0.009 | t | 54296 | RITFGGPT DSTDNNQ NGGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.027 | -0.031 | t | 79599 | LHIRAGPY GHATVEM PEWIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.042 | -0.042 | -0.049 | -0.051 | t | 111065 | YMLRKRRK RLPYFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.004 | 0.009 | 0.01 | t | 14457 | ETLGALAS AIKETFEEG TC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.024 | -0.021 | t | 16092 | FHAEWPT PSPWP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.01 | 0.011 | t | 153838 | HQKRTAM FQDPQER | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.023 | -0.022 | t | 106032 | QEFLRYQQ QSRRLSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.012 | -0.01 | -0.01 | t | 95462 | IIAPAKQL | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.02 | -0.03 | -0.028 | t | 12836 | EKPHFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.043 | -0.051 | -0.05 | t | 137866 | GDTRPRFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.021 | -0.02 | t | 151033 | MAARVCC QLDPARD VLCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.035 | -0.053 | -0.052 | t | 33732 | KTKIPAVFK I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.033 | 0.033 | 0.032 | t | 122198 | TEADVNP KPIPSQMPT SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.01 | 0.012 | 0.012 | t | 15925 | FFTPKESE QLKVIKTFE GIL | Mus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.025 | -0.023 | -0.028 | t | 131010 | PSTRWTEL DDVKRLK GSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.014 | -0.011 | t | 23599 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.026 | -0.03 | -0.03 | t | 67436 | TYQRTRAL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.027 | -0.041 | -0.04 | t | 138892 | REQAPNL VY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.008 | -0.01 | t | 53895 | RGKGEGLP GMCGGAL VSSNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.031 | 0.013 | 0.014 | t | 14260 | ESRPRGVY PTEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.05 | t | 111955 | YDDVENS GGYGGNP GQDNRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.043 | 0.04 | t | 35974 | LFSGDEDS DSSDGYPP NRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.015 | -0.027 | -0.03 | t | 43541 | NDVRCKL WLCMPMPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.027 | t | 57314 | SDWDCCD VCCNPAC AGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.048 | 0.037 | 0.041 | t | 30386 | KEFSEVEG RIQDLEKY V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.048 | 0.037 | 0.041 | t | 30386 | KEFSEVEG RIQDLEKY V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.026 | 0.017 | 0.022 | t | 49535 | PSTPGSRQ NM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 158753 | FIEVEELKL FLQNFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 159048 | PKARELTD AETKAFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 158669 | ADIKTALE ARKAADT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 159002 | MACAHLCL KEADIKTA LEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 158695 | ASKSADDV KKAFKVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 158948 | LEARKAAD TFNFKTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 158672 | AFLKAGDA DGDGMIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 159019 | NFCPKARE LTDAETK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 159063 | RKAADTFN FKTFFHT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 158670 | ADTFNFKT FFHTIGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 158746 | ETKAFLKA GDADGDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 158874 | KAGDADG DGMIGIDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 77929 | KFHRVIKD F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 78068 | VYDYNCH VDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 77842 | AYIDFEMK I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 77841 | AYDFLYNY L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 77848 | DFMIQGG DF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 77858 | DYPSLSAT DI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.018 | -0.02 | -0.02 | t | 120347 | YRGWKH WVYYTCC PDTPLYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.009 | 0.013 | t | 105497 | RHDSGYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115148 | KAVSEKKA KGLGESRK DKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 115148 | KAVSEKKA KGLGESRK DKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.004 | 0.01 | t | 138166 | FHEFWPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 78749 | MPKTRRR PRRSQRKR PPTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.01 | 0.01 | 0.012 | t | 136301 | GALHQEPS SNLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.028 | t | 106498 | HAIYPRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.017 | t | 15998 | FGKGGI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.02 | 0.022 | t | 130636 | WPQIWFD DEEDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.044 | 0.029 | 0.03 | t | 19023 | GDLGSIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.017 | -0.019 | t | 79623 | PDCSRLVG ATPERPRL RLVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.042 | 0.05 | 0.052 | t | 102783 | RVTPGKP NDPDNPN NNYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.004 | 0.008 | t | 53687 | RFDEGDLI AVPTGVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.014 | -0.017 | t | 115674 | ADARM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.011 | t | 159166 | TRLEHQM WESVRDE LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.007 | -0.006 | t | 138166 | FHEFWPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.033 | 0.032 | t | 60915 | SSAVDSGT ATAPPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.007 | -0.01 | -0.012 | t | 78843 | TAAQITAG IALHQS NLN | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.01 | -0.012 | t | 78843 | TAAQITAG IALHQS NLN | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.042 | 0.03 | 0.03 | t | 7480 | DADDPLLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 46054 | NTANPDW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.034 | 0.023 | 0.019 | t | 78380 | FERIDTTLT CETHRIN WTAD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.023 | 0.019 | t | 131261 | SHMPLAN QYQWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.003 | 0 | t | 156916 | LNEKQCTR PCLHLT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0 | t | 48085 | PKINRSAS EPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.008 | -0.001 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | -0.002 | t | 134115 | KENVKDYY QKWMEE QAQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.017 | t | 23223 | GVYLLPRR GP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.007 | 0.013 | t | 6532 | CKVQRQY DEQQKEQ C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.023 | -0.028 | t | 130868 | GQSYPPRP DTSLHVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.03 | -0.031 | -0.03 | t | 30150 | KDGDTTN R | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.085 | -0.077 | -0.08 | t | 95366 | ETDNGPV HVHAEFSG LKAGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 141777 | VVDSEDL LN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 121858 | SKLIKIFQD HPLQKTYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 103830 | CHAVKVG NPSC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.001 | t | 104586 | NRVAPNV RQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.003 | 0.01 | t | 140657 | ATRLNNEV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.057 | -0.044 | -0.04 | t | 112319 | SKIFKLGGR DSRSGSP MARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.02 | t | 159131 | SRLEHQM WEAVKDE LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0 | t | 101412 | WIRNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.047 | -0.051 | t | 115062 | HNGQACK GKIQALCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.04 | t | 117227 | RGNNIRYF ILPDSLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.005 | -0.007 | 0 | t | 37657 | LLPHSNLD HI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0.001 | t | 10943 | DYQGMLP VCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.015 | 0.009 | 0.01 | t | 100097 | HDSGYEV HHQ | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.009 | 0.01 | t | 100097 | HDSGYEV HHQ | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 52090 | QQPFSQP QQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.013 | -0.008 | t | 26844 | IKLPALF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 102155 | TRQPDRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.02 | -0.012 | t | 107028 | YRKYFGNRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119582 | GLQLIQLIN VDEVNQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 158331 | TGNSWDK VSSVVGQ | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.011 | t | 122083 | DPNIKLVL DDCWATS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.019 | -0.02 | t | 97407 | KAGLLVSD GGPNLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.001 | t | 113797 | QYGSMGV FFGGLGIG TGSGT | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.036 | -0.049 | -0.051 | t | 22575 | GSWHINR T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.024 | t | 56862 | SALLED | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 133372 | SPSPTPTP GPSRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.029 | -0.029 | t | 11532 | EECQLPSL KIFIAGNSA Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.061 | 0.051 | 0.05 | t | 57880 | SFRGSAQG IEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 111590 | NLIRHVGG GTPRRPG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.021 | -0.03 | -0.03 | t | 67325 | TYEAALKQ YEADL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.021 | -0.03 | -0.03 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.011 | 0.012 | t | 43145 | NAFNCTFE YISDAFSLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.011 | t | 117172 | TSSEVATE VPFRLMH PQPED | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.01 | t | 116164 | RTPPPSG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 135560 | IEQAIGRV TPIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | -0.003 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.006 | -0.007 | -0.01 | t | 22195 | GRRRYAH PSVRYVCL PPERD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.003 | 0.006 | t | 69060 | VIPDREVL YR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.021 | t | 59685 | SMIPYGVK RLEDFDAS LKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 134767 | QDPYVKE AENLKKYF NAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.016 | 0.011 | 0.01 | t | 384 | AAQAALG LLQTASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.011 | 0.01 | t | 384 | AAQAALG LLQTASR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 32990 | KQHTVTTT TKGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0.001 | t | 18801 | GATVELLS FLP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 119468 | ISGKQVTG EVIFQTPLI K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.052 | -0.06 | -0.06 | -0.058 | t | 125246 | RRQPHVM S | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.045 | 0.04 | 0.041 | t | 134654 | DQQNQFQ KAET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.02 | t | 131412 | ERGLRYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.024 | -0.019 | t | 26404 | IHRFYESGI VFEEYKDY FC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.009 | -0.008 | t | 6964 | CSALYRFN RE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.012 | 0.013 | 0.01 | t | 45532 | NQEAAKE EYEHKQKE LESVC | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79247 | HCPQDPR SYNAFCI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156857 | DKSKKCEK NCAPMV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 130590 | RCKTFGKT TLCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.02 | t | 47989 | PISYANGS GPDQRPY CWHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.037 | -0.041 | -0.04 | t | 33795 | KTNMKH MAGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.003 | -0.003 | 0.001 | t | 15295 | FAVANGN ELLDLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.017 | -0.011 | t | 118798 | GAGFGHG SGYGVGH GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0 | 0.002 | t | 132910 | TLIPEFPG ALTAIS | Trichosu rus vulpecul a |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.01 | t | 78380 | FERIDTTLT CETHRIN WTAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.017 | -0.012 | t | 118146 | SNLDHILE PSIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 65327 | TNGLTALF TPGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 65327 | TNGLTALF TPGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | 0.002 | t | 65327 | TNGLTALF TPGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.032 | 0.019 | 0.018 | t | 96490 | KQDEEQRL KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.036 | 0.023 | 0.029 | t | 118826 | GSGKGAGI GLGVGGG VGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.058 | -0.052 | -0.053 | -0.05 | t | 53800 | RFVKTPSK KTKSR | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.015 | 0.021 | 0.022 | t | 22732 | GTKSLEPC TCGAVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 139732 | ERETQKAK G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 137127 | DAASPREE PRAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 120498 | ELMFEEQK DRHGLKR VNKMT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 120412 | ASKEKQEN KIFADDIDI SD | Rattus norvegic us |

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|---|------|---|---|---|---|---|---|-------|---|--------|-------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 120629 | IMIKAE EYI LKKPRSEL MFE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 120694 | KLLLDYTG KI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 120172 | RKIPKRPG SVHRTPSR Q | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 121045 | VNKMTSDI DIGTTVDL YKDL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 118480 | KWNPDDY GGVK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 119052 | WNPADYG GIK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 100777 | DIDFLIEIE RLGQDL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 101219 | SALLVREE GLMQNC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63604 | TEYYLNHG KWPEN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 41610 | MGQHPAK SMDVRR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 42885 | MTTAQGT SMYPSC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 3158 | AMMIARF KMFPEVKE KGMAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | -0.001 | 0.003 | t | 134909 | EEKLVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 100583 | TVQTRHV VQRRSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 115514 | TLEDSPEVI ESPPEINTV QV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.019 | -0.025 | -0.03 | -0.03 | t | 134128 | LASAHRPQ GPAD | Rattus rattus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 135952 | LLLLSSRPG GCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.038 | 0.031 | 0.032 | t | 49287 | PSAAAKEE PEESEDDE FGMG | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 135710 | LAKEQKSK QNIGALKQ ELAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.013 | -0.007 | t | 65355 | TNKWEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.011 | -0.01 | t | 4968 | ATGFKQSS KALQRPVA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.01 | t | 97480 | LTEVETPIR N | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.028 | 0.031 | 0.032 | t | 10067 | DRYFTYEE PNDG | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.02 | t | 65520 | TPCSAEEE KLPISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.003 | 0.002 | t | 74871 | YLPVGGLR RIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | -0.002 | t | 134117 | KHKENVK DYYQKW MEEQA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.005 | -0.01 | -0.01 | t | 41419 | MEPDTAP GLPWALQ G | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.005 | -0.01 | -0.01 | t | 41419 | MEPDTAP GLPWALQ G | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.003 | 0.01 | t | 125428 | GSDDYVW LSRLDLAP NYRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.036 | 0.02 | 0.02 | t | 24973 | HTSLGHED T | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0 | t | 21918 | GQMRPD NSKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.017 | -0.021 | t | 12958 | ELAWGIAS DGGALKH GFKTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.013 | t | 9524 | DNPASTT NKDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0 | t | 99661 | SERRAQSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 19728 | GGFSSDPG FLLRPRG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.026 | -0.03 | t | 48124 | PKPQRKTK RNTNRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0.003 | 0 | t | 133841 | GRGNGDP GGGMEKD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.032 | 0.03 | 0.03 | t | 107267 | WYFDVW GAGTTVT VSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.021 | 0.019 | 0.02 | t | 63053 | TAYQYATV APPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0.003 | 0.002 | t | 115628 | LPCRISPGK NAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.012 | -0.01 | t | 32599 | KNQVEGE VQIVSTAT QTFLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0.002 | t | 46488 | NVSVSPSPS STPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.02 | 0.007 | 0 | t | 127981 | FRRAVLM GGSALSPA AVISH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.009 | 0.011 | t | 62489 | SWPLYDA SGLG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | -0.007 | 0.002 | t | 122924 | TQPRREK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 16123 | FHLPYNHN WFAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.025 | 0.023 | 0.02 | t | 59571 | SLVTCPAQ GSLQSSPS MEIK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.023 | -0.018 | t | 40150 | LTRGSPVT GPFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 16957 | FLVNAWK SKKCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 103887 | EQWSLPW | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.011 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.011 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 115373 | LSSSEESIT RINKKIEKF QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.007 | -0.01 | t | 47636 | PGEGPSTG PRGQGDG GRRKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 63791 | TGATEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.031 | -0.039 | -0.04 | t | 36025 | LFYHHKFN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | -0.007 | t | 141581 | YVYRWVE AECVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.013 | -0.007 | t | 59982 | SPAPERRG YSGYDVPD Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.017 | -0.02 | t | 158939 | KTQNQGP WDENGIV LD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.01 | 0.012 | t | 57257 | SDPDTSFL EGLDLGVD VRTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.029 | -0.028 | t | 10167 | DSLNTGW LAGLFYHH KFNSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.008 | t | 78636 | EKKIAKME KASSVFNV VN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.009 | t | 159170 | TTASGKLV TDWCCRS C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.084 | 0.09 | 0.081 | 0.082 | t | 23976 | HHAERNNG SQSTTSQS N | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.03 | -0.04 | -0.042 | t | 59876 | SNPPGMA LSAPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.013 | 0.012 | t | 67330 | TYEIDLTNK NAAKLRG D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.009 | -0.01 | t | 98438 | SAVGKTVK VY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 117993 | LNYLDPRIT VAWCKK WGVPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.019 | 0.003 | 0 | t | 75452 | YQADCLM NRCPTAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 157127 | CFNLFLNS QEKHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 157127 | CFNLFLNS QEKHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 58132 | SGLVGLFT PGAKQNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.034 | -0.031 | -0.03 | t | 42345 | MPVHYKV LKALPRAD IHFPV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.023 | -0.02 | t | 59117 | SLGAAQV VLPRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.008 | t | 124068 | ELMALHT GQSLEQIE R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.014 | -0.013 | -0.007 | t | 125035 | EQSLITVE GDKASM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.035 | -0.04 | -0.041 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.035 | -0.04 | -0.041 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.01 | t | 134714 | KTGKRKRS QMLFQ | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.014 | 0.01 | t | 67220 | TVYDPLQP ELDSFKEEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.045 | -0.041 | -0.038 | t | 142340 | YRPNWTV PEFTLDIFN ATYL | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.037 | -0.051 | -0.051 | t | 138893 | RHDSGYEV H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.013 | 0.01 | t | 38323 | LNQTARAF PDCAICWE PSPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.005 | 0 | 0 | t | 55757 | RRVASFLIR GSAQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 134784 | RKRSQML FRGRRASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 99950 | DNEQPTT RAQKLFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 115192 | CKEVVRN ANEEEYSI GSSSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 115185 | AQKKIIAEK TKIPAVFKI DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 45317 | NPDKAREL LNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 56290 | RVFPRGTV ENPDKARE LLNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 56290 | RVFPRGTV ENPDKARE LLNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 8841 | DKARELLN KYDVENS MLQAN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.054 | -0.05 | t | 115598 | ATGMEVG WYRPP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.031 | -0.03 | t | 149436 | QQHHHH QEQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.018 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.018 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.016 | -0.011 | -0.009 | t | 43525 | NDRVYINV VVKNKEYR LAT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.007 | 0.01 | t | 106787 | RRQIEAGL NE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.003 | t | 56657 | RYSRNAV NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.051 | -0.057 | -0.058 | t | 49400 | PSHYVPRI Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.02 | 0.021 | 0.022 | t | 3069 | AMDAWN QPSGISSP PSPSLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 47257 | PEDPEDSA LLEDVPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 13975 | EREDERTL TKEYEDIVL K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 13975 | EREDERTL TKEYEDIVL K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.032 | t | 95036 | RTCMTTA QGTSMP SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.032 | t | 95036 | RTCMTTA QGTSMP SC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.036 | 0.02 | 0.02 | t | 139338 | VEDILY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.019 | t | 119939 | IFAQRLMR YW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 119939 | IFAQRLMR YW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.011 | -0.012 | t | 64010 | TGYRYDSR TGFFATN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.027 | -0.029 | t | 17683 | FSDALRF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 115386 | NANEEEYS IGSSEESA EVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.013 | 0 | 0 | t | 78568 | YATNPQT QLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.013 | 0 | 0 | t | 78568 | YATNPQT QLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | -0.004 | -0.008 | t | 114941 | RQDENYEE AIVHLKVA ALGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 108498 | KIHAREIFD SRGNPTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.021 | -0.02 | t | 107087 | ARGLTGRP GDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0.002 | t | 40110 | LTPLEELY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.018 | t | 110390 | QWGRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.03 | -0.02 | -0.019 | t | 95127 | PDITFTVT MRRRTLYY GLNL | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.01 | t | 131579 | PDIITGFSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.011 | 0.02 | t | 135645 | CSCTEGYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.037 | -0.041 | -0.04 | t | 39914 | LTGHRMA WMMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.029 | t | 76185 | YTTGGAQS HTLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.003 | 0.001 | t | 21085 | GLQPRAD MAAPPTL PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.003 | 0.004 | t | 23973 | HGYEKPEE LWTAKSR VHPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.065 | -0.046 | -0.057 | -0.06 | t | 56657 | RYSRNAV NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.045 | 0.029 | 0.03 | t | 24209 | HLGDDMD PEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.021 | 0.01 | 0.008 | t | 111784 | SLASNPSA AGDWIRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.012 | t | 129732 | RERRGIAL DGKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | t | 108937 | EWGSNDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.01 | t | 16183 | FIEDLLFNK VTLADAGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.029 | -0.043 | -0.04 | t | 124603 | QHWSYPL RPG | Canis familiari s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.029 | -0.043 | -0.04 | t | 124603 | QHWSYPL RPG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 25308 | IAHQFKEKI LGLLQRAT QQQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.017 | -0.02 | t | 141780 | WSKAHPP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 79364 | RCVDSFVI NNHMCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.045 | 0.033 | 0.03 | t | 111344 | GIEQNFG L FYPNKQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.041 | -0.039 | t | 47805 | PHDGNRA FPRTKVT M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.056 | -0.057 | -0.058 | t | 114950 | SLSRFSWG AE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 95147 | SGHPSEGD PDLAKILEE VRY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 144673 | GTFCGGEE CMRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0 | t | 94451 | CCNPACG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0.011 | 0 | 0 | t | 94451 | CCNPACG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.018 | 0.02 | t | 135895 | ALLRCIPAL DSLTPANE DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.002 | 0.017 | 0.02 | t | 124027 | DPPYVCLP GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 65050 | TLRVYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.032 | -0.04 | -0.04 | t | 82705 | GKIRAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.027 | -0.017 | t | 119457 | GLELPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0.002 | t | 63735 | TFQVEVPG SQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.016 | 0.017 | 0.02 | t | 50172 | PYSPSQDP YSPSQDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.019 | t | 115373 | LSSSEESIT RINKKIEKF QS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.008 | -0.009 | t | 70002 | VMPECLSR LCDFDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.013 | 0.021 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | -0.001 | 0.01 | t | 118284 | DAYVLLSE KKISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 130837 | FTRHSQTT ANPSCPE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 43176 | NAINPRLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.011 | -0.008 | t | 153287 | RQSGRQP TPLSPPLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.031 | t | 141775 | VKELAFPG SSREVDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.01 | t | 71887 | VVVTPDKE I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.003 | -0.01 | -0.009 | t | 31916 | KLILAYTP GARGPQD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.01 | t | 108049 | NPVEIRRG VMLAVDA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.019 | t | 67076 | TVLRDPVF YQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.055 | -0.063 | -0.06 | t | 123729 | SDFLGDRQ Y | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.027 | 0.01 | 0.006 | t | 145923 | NPPIPVGEI | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.002 | t | 70817 | VRRRVNA ANKKPEDL TLNDL | Aotus lemurinu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.01 | t | 126280 | IITGHCQG DGYRVGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 105851 | GTAPFEIH ANRIVGFF SKII | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 156924 | NLNHWYK SWLLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.008 | t | 52148 | QQSFPQQ PQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.023 | -0.029 | t | 144639 | FAQAYAR GIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0 | 0 | t | 140596 | SLDELDW DSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | 0.003 | 0 | t | 95459 | IHENEDDL GRGGHEL KVTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.032 | 0.033 | 0.032 | t | 98852 | KMVAPVL EEIATERAT DLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 106770 | RER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.014 | 0.013 | 0.02 | t | 109755 | QKSGSHE NQNILTNG SNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.031 | 0.019 | 0.022 | t | 61179 | SSLNFADV Y | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.008 | -0.019 | -0.02 | t | 10476 | DTRCFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.009 | t | 158721 | DSGCAIDL QRRELKCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.012 | t | 6128 | CDPQPDFS C | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.012 | t | 6128 | CDPQPDFS C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.012 | t | 79781 | DLKRPGSS PMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.007 | -0.01 | -0.01 | t | 145777 | FDTGA FDP DWPYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.012 | t | 49071 | PQPQQQL PLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.009 | -0.01 | t | 60880 | SSAEGDLV GWPSPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.01 | t | 153434 | NSPFMLH SALSGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.057 | -0.051 | -0.05 | t | 79031 | NSNGCVYS ESFGLGGI GVLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.003 | -0.024 | -0.02 | -0.02 | t | 75571 | YQWLTRV GKYRPQD KPNT | Chinchill a lanigera |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 107517 | LSTNEVA M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.024 | -0.03 | t | 134692 | HSRRRQG WLKEIRKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.01 | 0.011 | t | 99920 | DADNILVI QQGQATV TVANG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.028 | t | 126111 | GHCQGDG YRVGFGQ C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.02 | 0.022 | t | 117742 | AKAQTDR EDLRTLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 110375 | PSGSMVT SDAQIFNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.042 | -0.05 | -0.05 | t | 121292 | FATFVYAK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117240 | TLKNREPV QLETLSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.012 | t | 95167 | YHTMENP CCPQNN LGSKSG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 137887 | GSSHHETH YGYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.033 | -0.03 | -0.027 | t | 111125 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.032 | -0.03 | t | 22490 | GSRSRRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.023 | -0.02 | t | 131037 | RHWTTQG CNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.023 | -0.016 | t | 115630 | NFDKLYIW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.059 | -0.063 | -0.058 | t | 3687 | APPLRTW KSRARAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 139935 | VIAIALFGT IATANAAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 97726 | VETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 97650 | SLLTEVET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 97480 | LTEVETPIR N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 57812 | SFKVTALN VVSRRYLA SLHK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 14686 | EVETPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 6925 | CRGFTSFK KPPTPPPE PET | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.005 | -0.023 | -0.02 | t | 97776 | YKGVAFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.005 | -0.023 | -0.02 | t | 97776 | YKGVAFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.013 | 0.007 | 0.008 | t | 6229 | CFIRPSGYC GRECGI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.021 | t | 125004 | DAPDTDW CDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 141621 | DNWHGS NRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.044 | t | 133632 | LRCYSHCT FYFASST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.044 | -0.048 | t | 74871 | YLPVGGLR RIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 145655 | YQYIYNLTI CEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.026 | 0.017 | 0.02 | t | 73051 | WRSTRDA FINGAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.026 | 0.017 | 0.02 | t | 73051 | WRSTRDA FINGAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.022 | t | 5641 | AVYYCTRG YHGSSLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.013 | 0.01 | t | 39253 | LRYHNKVY CTTSKSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 138025 | RVPRISCGI NYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.024 | 0.033 | 0.03 | 0.03 | t | 139856 | PSPFAEAV CPKLTPEK MA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0.001 | 0.002 | t | 19014 | GDKPSLFG QAAAGDK PSLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 140545 | CGVDGRW PRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.01 | t | 10108 | DSERLIGD AAKNQVA MNPHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.004 | 0.01 | t | 118471 | KNAGVEG SLIVEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0 | -0.01 | -0.01 | t | 73245 | WWHLPR DSPLPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.022 | 0.01 | 0.01 | t | 41244 | MDINASR ALANVYD | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 96059 | AANNAKN AAL | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 55260 | RPPNAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.041 | -0.05 | -0.05 | t | 66298 | TSLHRGPH GFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.006 | 0.006 | t | 113879 | SQRSQDE N | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.02 | t | 59374 | SLNTGWL AGLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.02 | t | 59374 | SLNTGWL AGLFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 22130 | GRLHVNQ RAVVAPD KEVLYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 118231 | YKTGHGLR GKLKWRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.043 | -0.053 | -0.051 | t | 106600 | LEGWGGH WRG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | -0.003 | -0.002 | t | 72482 | WGLSRISS K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.029 | -0.031 | t | 61410 | SSTRGGSR VEGIFAGL FMNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | -0.003 | 0.001 | t | 279 | AALGDSLY GAASLNDF GILA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.047 | -0.047 | t | 17683 | FSDALRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.02 | -0.02 | t | 149242 | AALILSKHP NWTNTQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.033 | -0.032 | t | 44665 | NLDFRDLY DPRDKAKL LYNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.011 | t | 120172 | RKIPKRPG SVHRTPSR Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.077 | -0.074 | -0.08 | -0.079 | t | 153693 | RKIFIDTIP N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.017 | -0.021 | -0.02 | t | 16551 | FLDLMRA VA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.017 | -0.021 | -0.017 | t | 99155 | DREDLRTL LR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.002 | -0.01 | -0.01 | t | 8760 | DIQEDITR HE | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 122406 | IEIGLEGKG FEPTLEALF GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.004 | 0.001 | t | 122452 | KTTKQSFD LSVKAQYK KNKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 122452 | KTTKQSFD LSVKAQYK KNKH | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 7491 | DAEFRHDS GYEVHHQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.002 | -0.007 | -0.009 | t | 105037 | WEPFASG KTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.003 | 0.005 | t | 55932 | RSQQTII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 115496 | SSEEIVPNS VEQKHIQK EDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.054 | -0.05 | t | 144811 | VSWLSKE WAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.02 | -0.02 | t | 138068 | VIFQTPLIK NP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.009 | 0.003 | 0.01 | t | 133860 | KKAVTKA QKQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.011 | t | 18971 | GDEYDDA ADAAGDR AP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.033 | -0.03 | t | 19100 | GDRAGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.011 | -0.007 | -0.011 | t | 71350 | VTGTDLELI QILK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | -0.003 | 0 | t | 38648 | LPQGTTLP KG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.01 | 0.01 | t | 130339 | WRPWSE Q | MD |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.043 | -0.04 | t | 158838 | IHNDVEA WMDRYKY YP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.013 | t | 137394 | EDHRQVV E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.04 | -0.04 | t | 7057 | CSPRTG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.007 | 0.008 | t | 98795 | GERTRGR QPGDYDD D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 75659 | YRPLGPGT PPMRARL PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.019 | -0.02 | t | 5148 | ATSRSTSQ LTSLSFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.028 | t | 34286 | KWDLFVE RSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.009 | t | 141672 | IAKEWE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.01 | -0.01 | t | 65639 | TPLGRLDA EYW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.016 | 0.028 | 0.024 | 0.03 | t | 55765 | RRVNAAN KKPEDLTL NDLET | Aotus griseime mbra |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 63975 | TGTEKLIET YFSKNYQD YEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 63975 | TGTEKLIET YFSKNYQD YEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 63975 | TGTEKLIET YFSKNYQD YEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.019 | 0.02 | t | 72571 | WIARFDT DKDGKVSL EEFCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.019 | 0.02 | t | 72571 | WIARFDT DKDGKVSL EEFCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.016 | 0.019 | 0.02 | t | 72571 | WIARFDT DKDGKVSL EEFCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.036 | 0.038 | t | 117594 | NWHQLH GKKEAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.013 | 0.012 | t | 32972 | KQELTKYC QQNQMD MKQIDP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.032 | -0.04 | -0.04 | t | 80795 | CSAGQRTL VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.029 | -0.03 | t | 5147 | ATSRSTM QLASFFTP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.008 | t | 111801 | SSILEDWN FGVPPPPT TSLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.05 | -0.05 | -0.05 | t | 70402 | VPNTNIKL YVRRVFIT DEFR | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 60360 | SQAAPYIE QAQVIAH QFKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 36124 | LGGKPAIV PDKEVLYQ QYDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 35252 | LDPHAFHL LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | -0.003 | 0.002 | t | 21571 | GPARRGA PY | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 25309 | IAHQFKEK VLGLLQRA TQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.011 | 0.01 | t | 5907 | AYQVRNS TGLYHVTN DCPNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.078 | t | 128193 | AAKPKTAK PKAAKPKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | -0.003 | 0.001 | t | 68877 | VHPQDGD A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.004 | 0 | 0.002 | t | 136056 | DGKKWQT YRGNSTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | -0.003 | 0 | t | 38505 | LPGKCGV NVPYKIST | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.022 | t | 91911 | RRQQRLQ EIERRRNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.002 | 0.004 | t | 138198 | KPTSTLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | -0.003 | 0.002 | t | 97572 | QEHKPKK DDFRNEF DH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.006 | -0.003 | 0.002 | t | 97572 | QEHKPKK DDFRNEF DH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.025 | -0.017 | -0.017 | t | 66976 | TVDNPAST TNKDKLFA VWK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.037 | -0.043 | t | 110760 | ACKDSDW PFCSDDED WDWPFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 108384 | GIAGFKGE QGPKGEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.001 | 0 | t | 67264 | TWHLPSH TQTQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.017 | 0.01 | 0.009 | t | 94790 | CAADKEIL DESLKWK QR | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0 | t | 12209 | EGKVVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 115657 | TLRIRNVR FSDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.035 | -0.046 | -0.05 | t | 142431 | KKAEEAKK IVDKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.062 | 0.041 | 0.04 | t | 25933 | IEQAQVIA E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.033 | -0.028 | t | 74398 | YIVGRVWI GF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.01 | t | 110388 | QSQTPETP ATPLSCCT ETQW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.032 | -0.033 | -0.04 | -0.038 | t | 14346 | ETDIKMM KRV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | -0.006 | -0.002 | t | 47024 | PCIGYVRS GGAVPPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 118760 | CRTCTTPA Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.032 | t | 108089 | RAGRFGY QR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 101546 | DLNPLDPL AQQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | -0.002 | 0.003 | 0.01 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.006 | 0 | t | 117320 | KPKAAKPK KAAAKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.006 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.023 | -0.033 | -0.042 | t | 134682 | GPSRRGPS LGASSHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.009 | t | 142806 | KATALTYD PYVNYSS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 41205 | MCRPGIPT HHCA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.02 | t | 107326 | DVSDMFS K | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.029 | 0.017 | 0.011 | t | 121072 | YANETCCD FFTNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.007 | t | 103173 | FKADEKKF WGKLYEI ARR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.041 | -0.039 | t | 136216 | FAWKWQ YIYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.041 | 0.04 | 0.042 | t | 5423 | AVLEDPYIL LVSSKVS | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 144793 | SYGGRKGT HPGLEMP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 33045 | KQNSQIPS LDLKEPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.059 | -0.059 | t | 153447 | QPAIWNP FPAWGGGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | -0.003 | 0.001 | t | 20064 | GGVATY | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.05 | t | 107358 | FGEL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.045 | -0.048 | -0.047 | t | 652 | ADDVILHT PGCVPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 119569 | ESNGQPE N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.016 | 0.007 | 0.002 | t | 11081 | EAIPALTA VETGHTSQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 151716 | RLASLSEKP PAIDWAYY RA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.037 | 0.037 | t | 6015 | CAPESIEFP VSEARVLE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.035 | -0.031 | -0.032 | t | 6171 | CEKAKRAV RGRQDRP KEFP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 120135 | PSEKIWRP DLVLYNNA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.019 | -0.02 | -0.02 | t | 71009 | VSKGNCS GPTTIRGQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0 | t | 31002 | KGLNGLFD LGPKQKI | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.007 | -0.007 | -0.008 | t | 98738 | DSKLTILT KCGSQI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.031 | 0.037 | t | 30987 | KGIYQTSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.003 | -0.01 | -0.007 | t | 18013 | FTMGGAG PK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.023 | -0.022 | t | 106312 | CNATQRR QIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.01 | t | 140568 | KGAWLDS TKAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 55149 | RPFERDIS NVPFSPDG K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.027 | -0.02 | t | 133909 | PEPAKKVP APK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.046 | -0.043 | -0.038 | t | 1925 | AIGSANFH SYKKMSQF IDKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.039 | -0.043 | -0.038 | t | 114992 | YKPDCTA ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.018 | t | 123837 | VVGAVQG P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.017 | 0.018 | t | 98795 | GERTRGR QPGDYDD D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.001 | t | 118431 | ISDAMKKV GRKGVITV KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.015 | 0.02 | 0.023 | t | 6952 | CRTLTMGF SLGARQKI | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|-----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.003 | t | 50180 | PYVEPTAP QVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.003 | t | 50180 | PYVEPTAP QVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.003 | t | 38522 | LPHSNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.003 | t | 38522 | LPHSNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.003 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.003 | t | 11571 | EEEDDDM GFGFLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.003 | t | 12307 | EGVQQEG AQQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.003 | t | 11571 | EEEDDDM GFGFLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.003 | t | 11815 | EENVEENV EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.011 | -0.008 | t | 103643 | TGALQERS K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.01 | -0.01 | -0.01 | t | 58085 | SGIIESGVQ NIDDNYFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.009 | t | 109332 | IHSMNSTI L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.018 | t | 22491 | GSRTLGA KHPALQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.022 | t | 79953 | NSDWVPS VRSWAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.027 | -0.031 | t | 39788 | LTAELKIYS VIQAEINK HL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.001 | -0.02 | -0.02 | t | 32418 | KMVFYATN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.017 | -0.018 | t | 79623 | PDCSRLVG ATPERPRL RLVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.022 | -0.027 | -0.019 | t | 119443 | DLKLRRSS SVGYIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.005 | -0.01 | -0.01 | t | 70622 | VQPEKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 12331 | EHFWEQR PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0.003 | 0.002 | t | 10789 | DVVVLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 22129 | GRLHVNE RAVVAPD KEVLYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.06 | -0.07 | -0.071 | t | 125256 | SLRGRGNT LGLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.01 | -0.019 | -0.02 | t | 4740 | ASREAKKQ VEKALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.02 | -0.018 | t | 79212 | FDWLWL WDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.024 | 0.01 | 0.011 | t | 68811 | VGVAPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 122889 | RLDASFQE HPDLPG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.03 | -0.031 | -0.028 | t | 100024 | EVKMDAE FRH | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.01 | t | 51438 | QLSSSKYT IQRSTGDN IDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.041 | t | 115036 | AVLPVLLL QITVGLVF LCLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.05 | 0.04 | 0.041 | t | 97113 | YERDPYSP S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.008 | -0.001 | 0.001 | t | 111052 | VKSEKDST NNNKYTV TLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 131978 | MLVGGST LCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 131878 | FLMLVGG STL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 130987 | NPVENM MDRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 132098 | TLLLEGVM AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.04 | 0.04 | 0.043 | t | 132848 | KKEDFDIY DEDENQS PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.01 | t | 5586 | AVTRGTIN DPQRAKE ALDYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.004 | t | 45627 | NQSLDLAE QELVDCAS QHGC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.004 | t | 6883 | CQIYPPNA NKIREALA Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.04 | 0.033 | t | 104938 | PSRLVNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.047 | 0.037 | 0.03 | t | 118148 | SQEGRTTK Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.003 | t | 655 | ADEEQQQ ALSSQMG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.013 | -0.007 | t | 56150 | RTPPAYR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 105764 | EVLSHAGA H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.022 | 0.019 | 0.012 | t | 115797 | IQDTRNAV RASRIQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.04 | t | 66390 | TSQPRWH QKPAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.01 | 0.01 | t | 41554 | MGAQVST QKTGAHE TSLSAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | 0 | t | 4213 | ARPKQRR PQGLPNN T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.009 | -0.01 | t | 61613 | STGADTG GDIVQQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.018 | t | 28265 | IRAWVAW RAHCQNR D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.019 | -0.023 | -0.019 | t | 99326 | ICTASAKK NIGRNRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.011 | t | 153434 | NSPFMLH SALSGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.006 | -0.001 | -0.002 | t | 39465 | LSKSFLEA GGVSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.023 | 0.01 | 0.01 | t | 105890 | IVYVGDTV C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.006 | -0.003 | 0.002 | t | 28076 | IPSTAFTDI AWVRLPN HYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.033 | 0.039 | t | 140619 | YSDWDYS EGL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.006 | 0 | 0 | t | 92794 | GENKRPN DKAGEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.009 | -0.01 | -0.008 | t | 21406 | GNDWEDR YYREMY RYPNQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.01 | t | 94687 | SKPTTKQR QNKPPNK P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.02 | -0.027 | -0.028 | t | 114287 | CSISTHSW C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.009 | t | 73595 | YDTRCFDS T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.013 | -0.019 | -0.02 | t | 96062 | ADTIQKGF YY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.019 | -0.02 | t | 96062 | ADTIQKGF YY | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.042 | -0.05 | -0.05 | t | 106889 | SYTTRRWL VS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.011 | -0.012 | t | 43177 | NAINPRLT PWTYRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 40772 | LYGNEGC GWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47188 | PDREVLYQ QFDEMEE CSKHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.013 | -0.008 | t | 121346 | GPGHPIRA LVGDEAEL PC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.019 | -0.018 | t | 71637 | VVDLPQLG PR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.008 | -0.003 | -0.001 | t | 51379 | QLIRAAEIR ASANLAAT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 130461 | CWNYCLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.017 | -0.02 | t | 8061 | DELDVVEG MQFDRGYLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.061 | -0.061 | -0.059 | t | 36317 | LGSGAFGT IYKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 115338 | LAMAASDI SLLDQAQSA PLRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.033 | -0.03 | t | 16963 | FLVQAWK SKKTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.003 | -0.001 | t | 48870 | PPPPSSPT HDPPDSD PQIPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.006 | -0.003 | 0.001 | t | 3872 | APTQCSQT WPCPSHL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122885 | QVAALTW VQTHIRGF GGDPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 122885 | QVAALTW VQTHIRGF GGDPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.042 | -0.041 | -0.04 | t | 56899 | SAMSRPM IHFGNDW EDRYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.042 | -0.041 | -0.04 | t | 56899 | SAMSRPM IHFGNDW EDRYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.013 | -0.01 | t | 67269 | TWKIEKAS F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.03 | 0.02 | 0.02 | t | 140886 | LQEKLSP L GEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133622 | KPGDPSAL HVVRCW IC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133622 | KPGDPSAL HVVRCW IC | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133622 | KPGDPSAL HVVRWCW C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 133622 | KPGDPSAL HVVRWCW C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.003 | 0 | t | 18961 | GDESDSS DGYPPNR QDPRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.036 | 0.029 | 0.03 | t | 49223 | PRNNNRT RVHGDKA T | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.036 | 0.029 | 0.03 | t | 49223 | PRNNNRT RVHGDKA T | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.048 | 0.05 | 0.053 | t | 22755 | GTLVKTIT DDQIEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.01 | t | 26610 | IINNSTNV VIRACNFE L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.042 | -0.039 | -0.038 | t | 122162 | PIPVPIIPP FPGWQPG MPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.03 | -0.032 | t | 36045 | LGAARGYT FGAC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.019 | -0.03 | -0.032 | t | 36045 | LGAARGYT FGAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.01 | t | 131575 | NSDGSHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 120841 | NNADGDF AIVHMTKL LLDYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.012 | -0.01 | t | 96207 | EDDAEDK DED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.011 | 0.012 | t | 105861 | HDSGYEV HHQKLVFF AEDVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.014 | -0.008 | t | 118514 | MASAARL TMMWEE | Homo sapiens |

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|---|------|---|---|-------|--------|-------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115863 | MARHPHP HLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 106490 | GWGGHW RGAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 112381 | VGWIRQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.007 | 0.011 | 0.012 | t | 18364 | FWRGDLV FDFQVFPT KYHSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 119649 | SYCEIIVTH FPFDQQN CT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 119642 | SEHETRLV ANLLENYN KVIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 119468 | ISGKQVTG EVIFQTPLI K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 48093 | PKKPENK LKQPNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 53326 | RDALPNT E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 55621 | RRKAHAG NKKAEDLT MDDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 48093 | PKKPENK LKQPNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 24786 | HSLGKWL GHPDKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 45438 | NPNPNPN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.047 | t | 61485 | SSYGFAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | -0.003 | 0.001 | 0 | t | 38014 | LMESELVI GAVIIRGH LR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.012 | -0.01 | -0.011 | t | 131313 | SQWSRSA SRNRRHVT EEADV | Callithrix pygmaea |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.021 | t | 125358 | AETVESCL AKSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 13568 | ENPVVHFF ANIVTPRT P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 47122 | PDKEVLYE AFDEMEE CASKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.013 | -0.011 | t | 106787 | RRQIEAGL NE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.034 | -0.04 | -0.04 | t | 70661 | VQVRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0.002 | t | 58334 | SGYWAIR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.038 | 0.04 | 0.042 | t | 53766 | RFQPFQQ FGRDVSD FDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.04 | 0.042 | t | 53766 | RFQPFQQ FGRDVSD FDT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.011 | -0.01 | t | 30236 | KDRTLIEQ K | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.01 | -0.02 | -0.02 | t | 139203 | QIYKAQA QTDRESLR NLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 156904 | KPGDPRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.017 | 0.013 | 0.01 | t | 130622 | TGLVAQG TDSIG | Camelus dromedarius |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.013 | -0.023 | -0.02 | t | 71422 | VTMTDLV PGILEKQR | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.074 | 0.06 | 0.062 | t | 79647 | SLTTDEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.049 | 0.058 | t | 118521 | MLLKGGK DKAQIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.03 | -0.04 | -0.04 | t | 73744 | YEPYYHSD HAESSWV NRGES | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 51853 | QPHGGG W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 28074 | IPSTACTDI AWVRLPC HYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.008 | t | 28074 | IPSTACTDI AWVRLPC HYG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.03 | 0.031 | t | 121098 | YTCCPD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.04 | t | 108486 | IRRSETPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.019 | t | 134492 | QIQRPS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.019 | t | 134492 | QIQRPS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.019 | -0.023 | -0.019 | t | 99420 | LHLLGFGI NAENNHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.02 | t | 71866 | VVVAPDKE ILYAFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 3367 | ANNSANN GKKNNAE E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.019 | -0.02 | t | 78689 | ISGGLCSA RLHRHALL ATCP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.019 | -0.02 | t | 78689 | ISGGLCSA RLHRHALL ATCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.009 | t | 34335 | KWVNGRE I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.021 | -0.022 | t | 138034 | SDHSRNG FDTDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.04 | 0.03 | 0.032 | t | 68052 | VDQYSNQ NNF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.003 | 0.002 | t | 40905 | LYQDVNC TDVSTAIH AD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.03 | 0.03 | t | 133531 | CDTLKPGE C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.036 | -0.043 | -0.042 | t | 18816 | GAVPPAC CNGIRTIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0 | t | 68811 | VGVAPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.01 | -0.019 | -0.02 | t | 4856 | ASYVKKPK EDVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.002 | 0 | t | 7822 | DDLPTTM FQPVRAPC IQTAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.023 | -0.027 | t | 122262 | ALRCRRISK EEYHLYKD GHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.023 | -0.027 | t | 122262 | ALRCRRISK EEYHLYKD GHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.041 | -0.049 | -0.048 | t | 17876 | FSVPWPT RPPHW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.039 | -0.04 | -0.04 | t | 11372 | EDKRDGN N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.07 | 0.063 | 0.07 | t | 133668 | QEGPEYW DRNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.046 | -0.048 | t | 118012 | MAPPPG MRPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 133705 | SSKTRSG VHLVGPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.054 | -0.033 | -0.037 | -0.038 | t | 34476 | KYKDKPLY | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.011 | t | 11772 | EELTPGRF RT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.009 | -0.01 | t | 52417 | QSQQQGN SRRGPRVV P | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 120404 | AMMIARF KMFPEVKE K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | -0.003 | 0.001 | t | 36317 | LGSGAFGT IYKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.036 | -0.043 | -0.041 | t | 43990 | NGGPCVFI KRVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.03 | 0.03 | 0.037 | t | 14951 | EWSPCSVT CGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.021 | -0.019 | t | 53866 | RGFRKEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.023 | -0.018 | t | 150853 | HIGGLSILD PIFGVL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.077 | -0.062 | -0.07 | -0.069 | t | 56937 | SAPPTRVR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.062 | -0.07 | -0.069 | t | 56937 | SAPPTRVR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.04 | -0.04 | t | 67262 | TWHLPAH APVVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.027 | -0.04 | -0.043 | t | 4424 | ASGLTSLFS PGSKQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.006 | 0.003 | 0.01 | t | 144615 | DNTSIYYG GLVSPAI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.031 | 0.023 | 0.022 | t | 106843 | SKDHEYPF FPEPSCI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.008 | -0.001 | 0 | t | 51751 | QNQGAW PA | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.01 | -0.01 | t | 159025 | NLAIHSDL SYWIESRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 103425 | MTAHTHD GTRTWRT G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.008 | t | 52745 | QVMFDFA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.01 | 0.021 | t | 98379 | QNTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 74201 | YIEQGMQ LAEQFKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 112153 | HIWWND N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.04 | -0.041 | -0.042 | t | 20770 | GLARTTAD RQTACNC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.02 | t | 10860 | DYDGYGW RE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.013 | -0.012 | t | 53810 | RFYLAGN QEQLFLKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.001 | t | 120174 | RLRQQWI DVRLRWN PADYGG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.009 | t | 159084 | RYKYPET PRSLAKIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78932 | ATRKTSER SQPRGRR QPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.007 | 0 | t | 113220 | YAPWKPT VNGTVVA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.029 | 0.03 | t | 6925 | CRGFTSFK KPPTPPPE PET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0 | -0.01 | -0.01 | t | 44477 | NKDKPSY QFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.018 | 0.007 | 0.01 | t | 67054 | TVKTKNTT TTQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.028 | -0.031 | t | 105041 | YEVHHQKL VFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.005 | -0.001 | 0 | t | 147288 | SKFQDTH NNAHYV FFEE | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.038 | -0.04 | -0.038 | t | 100492 | SAMTVDD FGVLAVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.023 | 0.019 | 0.021 | t | 103499 | PSRTWSPP FESEDSQK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.001 | 0.009 | 0.013 | t | 56557 | RYIWIKYF NLFDKELN EKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0.003 | 0.002 | t | 72476 | WGILSRAA TNSGWVG LIPHK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 78291 | VHRNPWH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 8942 | DKNEKGQ HEIVEVEEI LPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.005 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 95048 | VIFQTPLIK NPDVKSAI EG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 48832 | PPLSQRR L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.027 | -0.03 | t | 122874 | PPARALKR SLWVEVD LLIGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.054 | 0.04 | 0.039 | t | 75274 | YPEEVVEE VVPEEVVE EVVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.031 | -0.037 | -0.03 | t | 127960 | EKVPKGKK GKADAGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 46823 | PAIIPDREA LYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.028 | -0.03 | t | 135957 | LSSRPGGC SAVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.046 | -0.05 | -0.051 | t | 13514 | ENLLKEAIR AIFPSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | -0.003 | 0 | t | 56201 | RTTTASGK L | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.048 | 0.032 | 0.029 | t | 99020 | TELPSIPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.016 | 0.003 | 0.002 | t | 21085 | GLQPRAD MAAPPTL PQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.028 | t | 3676 | APPGSPAP PPPEHRG GPEEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.048 | -0.04 | -0.04 | -0.037 | t | 136509 | MMKKTRK RTKRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.007 | -0.011 | t | 22367 | GSHLPYIE QGMQLAE QFKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.008 | -0.006 | -0.021 | -0.022 | t | 156981 | YTSLPAPM QRLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.023 | -0.046 | -0.044 | -0.048 | t | 106906 | THWQGVY WVGATPK A | Maccullo chella macquar iensis |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 78398 | GLKNSA VLVYLVGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.019 | -0.02 | t | 120550 | GDVQPAE VVAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.009 | -0.011 | t | 21804 | GPSYGFQY SPGQRVEF LVNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.017 | 0.009 | 0.01 | t | 54058 | RHKQKIVA PVKQTL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.004 | 0.001 | t | 102564 | KKRPKPGG GWNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.029 | -0.031 | t | 15110 | EYVLLFLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.025 | 0.02 | 0.02 | t | 125772 | CAPEPGIP GETRG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | -0.002 | t | 133684 | RRIASQVK YAGSQVA STSE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.024 | -0.03 | -0.032 | t | 123439 | LLARDAPD TDWCDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | 0.003 | -0.013 | -0.019 | t | 119596 | IHIPSEKIW RPDLVLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.02 | -0.028 | t | 116697 | DVCNFASR NDYSYWL STP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 130599 | RQGEEVY MWRDSM PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.036 | 0.033 | 0.04 | t | 144611 | DFNGSFD MNGTITA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 139841 | PAGRQAR RPATVPEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.039 | t | 140595 | RHEDGDW PRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.031 | 0.019 | 0.02 | t | 110622 | GRPGDAG PQGKVG PS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.036 | -0.043 | -0.049 | t | 132783 | CHAWSNR RTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.004 | 0.016 | -0.009 | -0.01 | t | 73974 | YGAAFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 149296 | ELDKWAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.023 | 0.021 | t | 30665 | KEVTQND GTTTIANN LTSTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.031 | -0.028 | t | 142340 | YRPNWTV PEFTLDIFN ATYL | Felis catus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.009 | -0.01 | t | 98065 | GKVN SAV GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0 | t | 4129 | ARDLICAQ KFNGLT VLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.011 | 0.011 | 0.01 | t | 78833 | SLDSPSP PREPLRPS RSLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.004 | 0.01 | t | 94480 | CSICSNNP TCWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.009 | t | 134202 | QKLSVPDG FKVSNSAR GW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 135940 | ISQEMERI PRLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.044 | -0.04 | t | 115784 | HRTFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 79388 | SCTYSGRA DAVVCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 57541 | SELSQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.031 | 0.017 | 0.018 | t | 73051 | WRSTRDA FINGAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.031 | 0.017 | 0.018 | t | 73051 | WRSTRDA FINGAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.008 | t | 22639 | GTEKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.003 | -0.003 | t | 130752 | CLAVLWV VKSTPAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.037 | 0.038 | t | 77925 | KACSNNST CFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.006 | -0.009 | -0.01 | t | 26338 | IGVIIT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 146019 | TCPDPIIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.044 | -0.041 | t | 131685 | SYAIAWH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.026 | 0.019 | 0.021 | t | 22793 | GTQFTFDS WNYSFED NYS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.011 | t | 117172 | TSSEVATE VPFRLMH PQPED | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.018 | 0.007 | 0.01 | t | 125366 | ASPASHG NNNIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.056 | 0.04 | 0.042 | t | 110421 | SFVSLVEET AFID | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.005 | -0.02 | -0.02 | t | 139809 | LPLTPRS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.033 | t | 134702 | KEKKYS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 60359 | SQAAPYIE QAQAIAH QFKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 135952 | LLLLSSRPG GCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.054 | -0.05 | t | 135910 | DRRLCSHL EVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.02 | t | 97252 | DTPLTTAA LRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.02 | t | 97252 | DTPLTTAA LRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.032 | 0.02 | 0.02 | t | 7480 | DADDPLLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | -0.001 | t | 122650 | YELNP DPR FLGCSTN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 107788 | DHEGTHST KRGHAKSR PVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.007 | -0.01 | t | 68684 | VGIGSASY KVMTRSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.003 | t | 134702 | KEKKYS | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.003 | t | 124588 | PQEETLQA FDSHYDYT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 119187 | GNAEVHA SFFDIGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 118877 | LDVEQLGI PEQEYSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 106322 | DAEFRHDS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 95524 | KRQIYTDIE MNRLGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 70390 | VPNLRGDL QVLAQKV ART | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.003 | t | 69178 | VKAETRLN PDLQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 74008 | YGGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 61394 | SSTKNLIY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 70656 | VQTRHVV QHRSRSES SIESF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.003 | t | 63037 | TAVSP TTL R | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 39689 | LSSY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 53447 | REACR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 58511 | SIFYTYGTA PARISVPY VGI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 51371 | QLINTNGS WHIN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 54057 | RHKQKIVA PVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 51371 | QLINTNGS WHIN | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 34806 | LAHLTTTH ARHLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 4331 | ASARGDLA HLTTTHAR HLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 7313 | CVTIMTVD NPASTTNK DK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 6832 | CPRPPRAV AAYGPGV DYK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | 0.002 | t | 19862 | GGGTHNQ WNKPSKP KTNLKH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.05 | -0.049 | t | 133527 | AYIGLKDR KRPSLRRI AS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.028 | t | 136083 | SEGAEYDD QTSQREKE DDK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.018 | 0.011 | 0.01 | t | 98059 | GEWAGKD KIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | 0.003 | -0.001 | t | 157917 | RTVKKNIE EN | Chlorocebus aethiops |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 131073 | SQATANPS CPEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.009 | -0.01 | t | 29957 | KATAACRA AKLQDCT MLVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.081 | t | 130777 | DVIGQVRR PEMGDQA HMPYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.002 | t | 114148 | WGAEGQK PGFGYGG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.002 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.002 | t | 10868 | DYEDRYR E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.013 | -0.007 | t | 59982 | SPAPERRG YSGYDVDP Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.044 | 0.05 | t | 138244 | SSTIANT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 34295 | KWFKTNA PNGVDEKI RI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 34295 | KWFKTNA PNGVDEKI RI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.024 | -0.02 | t | 118021 | MKCGMW GRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.03 | t | 54408 | RKPLVSFK EDTPSDN PFSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.009 | 0.011 | t | 59190 | SLINDMPI TNDQKKL MSNNV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 140459 | EHWSHD MFSPGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115199 | DAPSFSDI PNPIGSEN SEKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.05 | -0.05 | t | 57005 | SASVRIRYK KMKVFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 61399 | SSTKNLTS NLTLCELN V | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | -0.001 | 0.003 | t | 99921 | DAEFRHDS | Homo sapiens(human) |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0 | -0.001 | 0.003 | t | 99921 | DAEFRHDS | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0.002 | t | 39104 | LRGMAKD GQFALKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.001 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.016 | 0.009 | 0.01 | t | 54425 | RKSITKGP GRVIYAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.009 | -0.01 | t | 3236 | ANCASILC KCYTTGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.04 | t | 70352 | VPKPQGPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 132817 | FGQNRAN PQLPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.044 | -0.04 | t | 142116 | ASRKGLRR DLASREA KKQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.008 | t | 111801 | SSILEDWN FGVPPPT TSLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.052 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.043 | -0.04 | t | 30984 | KGITTKW MA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.009 | 0.011 | t | 74497 | YKQKIIAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.09 | -0.09 | -0.09 | -0.09 | t | 116008 | TTMARHP HPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.002 | t | 52083 | QQPFPLQ PQQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0 | t | 30715 | KFDTKGSA KTIEATLHC YGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.003 | 0.001 | t | 56195 | RTTPDRQ AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.085 | 0.069 | 0.068 | t | 61549 | STDEPAGE SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.085 | 0.069 | 0.068 | t | 61549 | STDEPAGE SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 133551 | EAPPPTLP PDMAQVT VGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 133611 | IVSYLCDLA PEAPPPTL PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 126424 | KLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 126595 | LPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.033 | 0.023 | 0.02 | t | 115069 | KEVDRLM S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.067 | t | 142441 | LFSPWLRV QNHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.049 | t | 131048 | RQSDGQY QM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 33063 | KQRQNKP PNKPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0 | t | 36838 | LKENIKYEV AIFVHGPT TVE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.003 | 0.009 | t | 119611 | LLQAAPTL DELKLEG | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.065 | 0.057 | 0.062 | t | 123441 | LLEYLGEEY | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.03 | -0.03 | -0.029 | t | 153841 | KCLKFYSKI SEYRHY | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.008 | -0.013 | -0.018 | t | 119533 | TKLSNTPS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.006 | 0.01 | t | 127748 | NGFTSVQ GYAFNGT KLDAPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.044 | 0.03 | 0.03 | t | 64306 | TIGGSQAQ TA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.012 | -0.01 | t | 96207 | EDDAEDK DED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 117779 | CVSYRNPA E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79309 | MNVGAH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 112151 | GWIRQRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.011 | -0.002 | t | 118327 | EKKDRVTD ALNAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 65050 | TLRVYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.037 | 0.041 | t | 132727 | VTNEVHT WTEQYKF Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | 0.006 | -0.01 | -0.01 | t | 70249 | VPANIKSM ALSG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.015 | 0.01 | 0.01 | t | 51016 | QHLPYIEQ GMMLAE QF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 112408 | YGIGVGW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.03 | -0.02 | -0.019 | t | 95128 | PFDVQKC NLKFGSW TYGGWS | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.008 | -0.011 | -0.01 | t | 70851 | VRVRSRV NAANKKP ED | Saimiri sciureus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | -0.01 | t | 117697 | YKQRNGW SHKDLLRL SHLKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 53009 | QYNLAFSD RQSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.03 | t | 28389 | IRRPKHLY VS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.013 | -0.003 | 0.002 | t | 59387 | SLPGQTKIL AKVfyGEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.031 | -0.03 | t | 68631 | VGATPERP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 1263 | AFASRGN HVSPRHVY PESE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0 | -0.013 | -0.012 | t | 133802 | DSPAPIIKL GG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 40636 | LVVNRLRG SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 40636 | LVVNRLRG SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.034 | -0.04 | -0.038 | t | 133539 | CYKPGEW AC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.009 | t | 111308 | GDTGPR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.011 | t | 122291 | CTYILDPEK LTLRATYD N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 63754 | TFTMDGD TMTMLTE STFKNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 63754 | TFTMDGD TMTMLTE STFKNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.03 | t | 63754 | TFTMDGD TMTMLTE STFKNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.003 | t | 137944 | PGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.028 | 0.013 | 0.02 | t | 112316 | SIKNPTNA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.02 | 0.02 | t | 53691 | RFDLELTF VIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.034 | t | 133661 | NYSPLHNS DITV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.009 | -0.01 | t | 1670 | AGR RVGG RRRGRSNS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 4424 | ASGLTSLFS PGSKQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.013 | -0.01 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.007 | -0.013 | -0.01 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.004 | -0.003 | 0 | t | 97327 | GEHQLLYL QHQLDEL N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.012 | t | 25146 | HWYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.034 | 0.027 | 0.03 | t | 158943 | KVIDQDAS GFIEVEE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.013 | 0.012 | t | 307 | AALVSGTA TAGWTFG AG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.03 | 0.017 | 0.008 | t | 120515 | EVVRAEIM RSFSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.008 | t | 45557 | NQGDRL CSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.027 | -0.029 | t | 113875 | SNRRPSTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.017 | -0.021 | -0.019 | t | 103460 | PATVINGQ FVERCWT H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.04 | 0.029 | 0.033 | t | 135350 | VGVTTETPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 67558 | VAEAEKQK AAEATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.014 | 0.021 | t | 138189 | HILGSTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0 | t | 27035 | ILFGWERT REDGVQE YIKVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.005 | -0.013 | -0.01 | t | 32680 | KPDSMP | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.047 | -0.051 | -0.05 | t | 80893 | DALRRLLY MIYMSG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.039 | 0.029 | 0.03 | t | 110433 | TGGKPGIA GFKGEQG PKGEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.029 | -0.031 | -0.029 | t | 44930 | NLYAVDM LVLAR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 58770 | SIYQGHIT GHRMAW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.007 | -0.008 | t | 31903 | KLIAQGGK AKICGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.011 | -0.01 | t | 69206 | VKEFLESSP NTQWELR AFMA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 118490 | LKDKYKNI GAKLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 78657 | FVHAKKKE EGEDDTA RQEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.038 | -0.04 | t | 110434 | TKYPLLKLL GSTWPTT PPRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.012 | -0.01 | t | 10746 | DVTAAAG AGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.002 | t | 49099 | PQQPQQS FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.051 | 0.041 | 0.042 | t | 141563 | SPKLQGEE ATLAPT | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 115193 | CMENSAE PEQSLACQ CLVRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.011 | -0.007 | t | 102972 | YVLSSLHIY WGKEDDY GSNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140870 | IALGQRRRA DAVKGYLA GKGV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.004 | 0.012 | t | 3274 | ANETIYNT TLKYGDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.007 | 0.01 | t | 159000 | LWGDGVL ESDLIIPIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.004 | 0.001 | t | 121542 | LFKPPKYH PDVPYVKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.004 | 0.001 | t | 121858 | SKLIKIFQD HPLQKTYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.01 | -0.01 | t | 2226 | AKKVPETF PELKPGES RHTS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.01 | t | 44135 | NHDYTKIR YADGHAIE NAVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.03 | -0.03 | t | 3228 | ANANNAV KN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.008 | 0.008 | t | 98887 | LQGFSRNT LEAAFNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | 0 | t | 41238 | MDIDPYKE FGATVELL SFLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 110833 | EQFNWVS RLANLTQG EDQYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.033 | -0.033 | -0.03 | t | 44571 | NKPPNKP NNDFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.004 | -0.01 | -0.008 | t | 30710 | KFDRGYIS PY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.059 | -0.067 | -0.07 | t | 65562 | TPERPRLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0.002 | t | 140837 | DEPPQSP WDRVKDL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.01 | 0 | 0 | t | 35312 | LDTSNKFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.009 | t | 131656 | SGKLEEFV Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.053 | 0.049 | 0.05 | t | 53859 | RGETPGQL LPEIMQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0 | t | 47288 | PEGRAWA QPGYPWP LYGNEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.107 | -0.119 | -0.11 | -0.111 | t | 94884 | MRRAHHR RRRASHRR MRGG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0.003 | 0.002 | t | 3983 | AQKFNGLT VLPPLTDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.008 | 0.007 | t | 98859 | LAFPGSGE QVEKLIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.028 | t | 121889 | SYMVHWK NQF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.002 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0.002 | t | 41430 | MERVVEQ MCITQYQ RESQAY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113777 | QQPAQGQ QGQQPGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.014 | -0.023 | -0.03 | t | 98373 | QLKKFLKIA LETPARI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 130447 | AVKIQAAF RGHIAREE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0 | 0.002 | t | 60818 | SRTLGCSSW EFIPVDDG WGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.032 | -0.03 | -0.03 | t | 40075 | LTPAWRIY STGNNVFQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.01 | t | 5999 | CALGLTSLF SPGPIQH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.012 | t | 67979 | VDHVGLG TAFENSIY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 127814 | SAPWPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | -0.004 | 0 | t | 63096 | TCRNMWS GT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0 | t | 105340 | MPRCRHG Y | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | -0.001 | 0 | t | 45588 | NQMDMK QIDPWIAR FDTDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.008 | -0.001 | 0 | t | 45588 | NQMDMK QIDPWIAR FDTDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50241 | QAEPDRA HYNIVTFC CKCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.031 | t | 115226 | EKNRLNFL KKISQRYQ KFAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 58418 | SHSSESHR VKSAGPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.049 | -0.053 | -0.05 | t | 99738 | TVRGGLRI LSPDRKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.04 | t | 107618 | SKPQSETL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.011 | -0.007 | -0.011 | t | 153827 | EQQYNKPL CDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.011 | -0.007 | -0.011 | t | 153827 | EQQYNKPL CDL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.007 | -0.007 | -0.002 | t | 136521 | NAWLQEP NHRNL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.013 | 0.003 | 0.002 | t | 157810 | QRELKMV VAQS | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.055 | 0.051 | 0.05 | t | 48921 | PPSPGGES DSESCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.014 | 0.01 | 0.01 | t | 76157 | YTPVEEKQ NGRMIVIV AKKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.041 | 0.039 | 0.04 | t | 25084 | HVRVRPYK EKPIQNQA KSVD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0 | 0 | t | 123734 | SFSKASNS WFPVEGP ADICQ | marmos ets |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.031 | -0.03 | t | 19943 | GGNRYPP QGGGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.013 | -0.012 | t | 58941 | SKSRGATG K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.06 | 0.04 | 0.041 | t | 9654 | DPISRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.01 | 0.012 | t | 49092 | PQQPFSQ QPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.006 | 0 | t | 147854 | KDYQRNR GPSKFTGL QPSVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.006 | 0 | t | 148404 | VPVRHTPV RDNRLVGF RSSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0 | -0.006 | 0 | t | 148483 | YVPIVTFYS EISMHSSR AIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 131879 | FLVAHTRA RAPSAGER ARRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 118970 | PPPGRRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 104816 | GREKFTIR PHYGKEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 112841 | SSKRGRQT PVLAMLDH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 112472 | DEGGYTFCF FRDHSYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 107064 | AGAPGFG | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-----------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 107218 | PAGGPGF P | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.027 | 0 | -0.006 | 0 | t | 106906 | THWQGVY WVGATPK A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 104816 | GREKFTIR PHYGKEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 38304 | LNPKTNK WEDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 23599 | HCLGKWL GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 21254 | GMDGTQL DRW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 27728 | INQQLNPK TNKWEDK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 27727 | INQQLNPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 117553 | KRTKDELE VIHLIEHR LVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.007 | 0.01 | t | 130901 | IPFPTLFAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 3388 | ANPVCRL WMCPIIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.006 | 0.01 | t | 16480 | FKVSNSSA RG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 145810 | GTGGRTG Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.017 | 0.01 | 0.01 | t | 67187 | TVTTTTKG ENFTETDI KI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.017 | 0.01 | 0.01 | t | 67187 | TVTTTTKG ENFTETDI KI | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 110124 | YGGFLRKY PK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0.003 | t | 40332 | LVFFAEDV | unidentif ied |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.025 | 0.007 | 0.01 | t | 13763 | EPGQTA DWY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.046 | -0.053 | -0.05 | t | 123850 | WSDFLGK NP | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.075 | -0.08 | -0.073 | t | 115911 | PYYAKPAA VR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112846 | SWYARHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 105863 | HHQKLVFF AEDVGSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 141919 | IENLRQRN TYTHKDLE N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 135952 | LLLLSSRPG GCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.008 | -0.011 | -0.007 | t | 103507 | PYEDFAAR LLEAIDAE | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.024 | -0.023 | -0.02 | t | 97240 | DFRNEFD HLLIEQAN H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.056 | -0.05 | t | 2891 | ALSRCTLN RNALRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.024 | -0.028 | t | 848 | AEDAAEIS VPAEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.04 | t | 9600 | DPARDCV HNICIFAG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.023 | 0.029 | t | 114192 | AEYWNSQ PEILERTRA E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.022 | -0.027 | -0.019 | t | 119443 | DLKLRRSS SVGYIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.043 | -0.05 | -0.05 | t | 131654 | SGFGVVKK PNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.035 | 0.02 | 0.02 | t | 9621 | DPEDSALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.023 | -0.02 | t | 57209 | SDGYDHP PRTRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.007 | -0.007 | -0.01 | t | 45556 | NQGAWP AG | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.026 | -0.03 | -0.03 | t | 71365 | VTIMSKDK PTIDVKM MNMEA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.026 | -0.03 | -0.03 | t | 71365 | VTIMSKDK PTIDVKM MNMEA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.024 | 0.029 | 0.011 | 0.01 | t | 48418 | PLLYPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 24391 | HNNQRLM LYGMH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.019 | -0.031 | -0.03 | t | 110585 | GAPGIAGA PGFPGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.03 | t | 45630 | NQSTVKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.003 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.003 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.04 | -0.04 | t | 55523 | RRAGRCPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.008 | t | 47786 | PGWFADP GFHINSSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 153449 | QQPPGAP RLPQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.023 | -0.031 | -0.03 | t | 9018 | DLAHLTA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0 | t | 48094 | PKKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.041 | t | 98850 | KKGSEEEG DITNPIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.011 | t | 110855 | FNAGTV GENVPDD LYIKGS | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.07 | 0.067 | 0.073 | t | 142006 | SDSAQGS DVSLTA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.024 | t | 122771 | GELTSSEV ATEVPFRL MHPQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 140842 | EGNTDER GTPEYNIA LGQRR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.002 | -0.01 | -0.012 | t | 51854 | QPHGGSW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 78411 | GTKPTFHV EKGSNPNY LA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 78498 | QSSDSPPG GLQNDFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.027 | -0.03 | t | 68391 | VETWKKP D | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.008 | t | 35413 | LEDSTQA SLEEAILR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.047 | -0.06 | -0.059 | t | 78431 | KKRW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.037 | -0.041 | -0.038 | t | 52007 | QQDAKLT WRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.003 | 0 | 0 | t | 100478 | RNNPFYFP SRRFSTRY GNQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.017 | -0.02 | t | 34686 | LAAQLWR GRAGRRR YAHPVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.006 | 0.006 | t | 118060 | PPPGMRP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | 0.006 | 0.006 | t | 113879 | SQRSQDE N | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.006 | 0.006 | t | 113879 | SQRSQDE N | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.01 | -0.01 | t | 49705 | PTLNGDD RHKIVNVD QRQYG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.031 | t | 130476 | EDSDARIL AAAVWYY SL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.031 | t | 130475 | EDSDARIL AAAVWYY SL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.03 | 0.033 | t | 130751 | CIGSPSTN C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.011 | -0.01 | t | 32408 | KMTVEAV KAKKTIL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.084 | -0.086 | -0.081 | -0.079 | t | 19722 | GGERRRPP LGVREGR GRT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135503 | VGIPGGVV GAGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.024 | -0.04 | -0.039 | t | 30337 | KEDYRY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.041 | -0.04 | -0.039 | t | 124232 | GSITRDSIF RLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.03 | 0.031 | t | 113129 | QLELPAVT PEDDGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 130805 | ELNPEPDT EVFPMTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.049 | t | 135838 | DSFGNWR LWAPIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.049 | t | 135838 | DSFGNWR LWAPIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.031 | -0.03 | t | 78749 | MPKTRRR PRRSQRKR PPTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 105600 | WRSKRDA FTNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.001 | 0.001 | t | 96548 | LFLLAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.014 | 0 | -0.001 | t | 21814 | GPVEDAIT AAIGRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.05 | t | 121814 | RRRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.067 | -0.06 | t | 125267 | TCSMFVY GGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.047 | -0.05 | t | 7472 | DAATAQTL QAFLHWA ITDGN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 141928 | IRHQRSQT ECG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.024 | -0.03 | -0.032 | t | 123439 | LLARDAPD TDWCDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.02 | -0.018 | t | 75382 | YPPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.02 | -0.018 | t | 75382 | YPPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 127689 | HWHRPTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 32587 | KNPHAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.01 | 0.011 | t | 144622 | EDVGSNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.029 | -0.03 | t | 36950 | LKLSIPVAE RAKPRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 115606 | GEGKVTLR IRNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.041 | 0.04 | t | 47128 | PDKEVLYQ QYDEMEE CSQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | -0.001 | 0.002 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | -0.001 | 0.002 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.019 | -0.019 | t | 137869 | GGVSTGLI QDDWTFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.031 | -0.03 | t | 67436 | TYQRTRAL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.003 | -0.009 | t | 30302 | KEALISLT RGKLYTQ Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0 | t | 86807 | NIYTFVPEK IYGLIAKKQ SN | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.01 | t | 119579 | FKDYSSVV RPVEDHR Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.029 | -0.03 | t | 74705 | YLIKRRKFP PALPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.021 | t | 20095 | GGWYSFD SPYLMSITE MRLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.019 | -0.02 | t | 4217 | ARQAIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.009 | t | 118734 | AEFRHDSG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.001 | 0 | t | 34135 | KVNFPHG MLDLEEIA ANSKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.03 | -0.026 | t | 113321 | DENPVVH FFKNIVTP RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.03 | -0.026 | t | 113321 | DENPVVH FFKNIVTP RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.029 | 0.02 | 0.02 | t | 6709 | CNNKPSN RC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.03 | -0.033 | -0.03 | t | 72515 | WGRRLMI GTAAAVVL PGLVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.008 | t | 72909 | WNSQPSL PYIRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0.001 | t | 130452 | CGVKSLLT SMYCAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 71427 | VTNDCPN SSIVYEAA DAI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.013 | t | 6458 | CITQYQRE SQAYYQR GASVI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 119624 | PDTPYLDIT YHFVMQR L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.04 | 0.045 | t | 151612 | DPLLTGNY KEAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.01 | -0.003 | -0.01 | t | 141664 | GSFTVRAD HGEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.003 | -0.01 | t | 141664 | GSFTVRAD HGEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 70672 | VQWMNR LIAFASRG NHVSPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.014 | -0.019 | -0.018 | t | 19902 | GGKPALVP D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.008 | -0.03 | -0.03 | t | 95499 | KIVAPVKQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.029 | 0.03 | t | 7480 | DADDPLLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 99160 | DRRQPRR EEGGRWG P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.009 | t | 5865 | AYLSPIDLN QLAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.032 | t | 70029 | VMVHDPH SLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.003 | t | 9106 | DLGSIA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.009 | -0.02 | -0.02 | t | 27997 | IPQPQWTP | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.017 | 0.017 | 0.02 | t | 72154 | VYRYDSRP PEDV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.017 | 0.017 | 0.02 | t | 72154 | VYRYDSRP PEDV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 77791 | NKVSARGCTFYGCWKGLVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.022 | 0.013 | 0.01 | t | 140868 | HLINTNGSWHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.01 | t | 60749 | SRNSTPGSSRGNSPARMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.04 | t | 156408 | QDHQWTLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 136064 | HQIALRMEVLGCEAQDLY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134220 | RQGAEPKKNFVKPNETKTY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134200 | PVVNSLDPPLLTRY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 136083 | SEGAEYDDQTSQREKEDDK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 136092 | YKSQYLNNGPQRIGRKYKK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 136082 | SDDPSPGIDSNNNS | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.002 | t | 147564 | CYGTKPW MC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134220 | RQGAEP KNFVKPNE TKTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.002 | t | 131010 | PSTRWTEL DDVKRLK GSRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134015 | CDKNTGD YYEDSYED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134015 | CDKNTGD YYEDSYED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134020 | CPEEPQLR MKNNEEA EDYDD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134020 | CPEEPQLR MKNNEEA EDYDD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0 | -0.003 | 0.002 | t | 7491 | DAEFRHDS GYEVHHQ K | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 106089 | RRHQSQR PPRRFQG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.029 | -0.021 | t | 135639 | AVPFPCGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.034 | 0.027 | 0.03 | t | 76633 | YYVNKQE GKSLYVKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.01 | t | 48448 | PLPNTALL SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.031 | 0.029 | 0.031 | t | 15900 | FFSPSEDN FTNDLNKG EEI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.01 | t | 9588 | DPAFSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.01 | t | 9588 | DPAFSL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.003 | -0.01 | -0.009 | t | 57250 | SDMYGLIV AQWLSTV NTQF | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.01 | -0.009 | t | 57250 | SDMYGLIV AQWLSTV NTQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.037 | -0.03 | t | 125109 | KKDNTCS MFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.001 | 0.001 | t | 10943 | DYQGMLP VCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.001 | 0.012 | t | 132100 | TLPTPVVQ L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.05 | -0.06 | -0.06 | t | 17350 | FPPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.05 | -0.06 | -0.06 | t | 17350 | FPPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.001 | 0.001 | t | 96793 | QRCDLDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.027 | -0.02 | t | 145369 | MWCKIGH DRCEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.027 | t | 144786 | SMNRGRG THPSLIW M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.012 | t | 22129 | GRLHVNE RAVVAPD KEVLYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0.003 | -0.002 | t | 14230 | ESPEHCSP HHTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.009 | t | 16017 | FGNDWED RYYRENM Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 145704 | AEGLT TTT WKDYDHN LQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.044 | 0.037 | 0.041 | t | 77802 | TEYSASVK GRFI | Mus |

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|---|------|---|---|------|-------|------|--------|------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.06 | 0.053 | 0.06 | t | 137398 | ETPADLST | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 98728 | DFWATW CGPCKMV APVLEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 98784 | GAKGKAA LLRELSDV VPNLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 72515 | WGRRLMI GTAAAVVL PGLVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 76065 | YTGPVSSP SWKFHSD V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 66693 | TTLGMHC GSFGSAPS NG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 41948 | MLGNAPS VVPNTTLG M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 41952 | MLGTGTP NRARINFN C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 48928 | PPSSPTHD PPDSDPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 48751 | PPATVYRY DSRPPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 10594 | DVFQNGF TAWGNN D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 3053 | AMAAWSE RAGEA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0 | t | 6429 | CILRQLRHL PSRVRYPH YS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.008 | t | 130471 | DWPAVIFE DTRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.021 | -0.012 | t | 118622 | TKDDAML LKGKGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.031 | -0.03 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.014 | -0.019 | -0.018 | t | 49498 | PSRSLPLPP LLSPPRFH PPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0.001 | 0.004 | t | 40332 | LVFFAEDV | unidentif ied |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0.001 | 0.004 | t | 40332 | LVFFAEDV | unidentif ied |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.004 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.023 | 0.029 | t | 107521 | LVFFAEDV GSNKGAI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.019 | t | 95137 | RGLSLGM RLEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.036 | -0.03 | t | 117387 | TRPIPSHM HDKW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.065 | 0.057 | 0.062 | t | 123440 | LLEYGEKYE | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.042 | -0.03 | -0.026 | t | 145845 | KHKVRNE VMVHWF GD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 41754 | MINVQAK PAAAAS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.018 | t | 43578 | NEDQKIGI EIIKRALKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.018 | t | 43578 | NEDQKIGI EIIKRALKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.018 | t | 43578 | NEDQKIGI EIIKRALKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.06 | -0.057 | -0.058 | t | 106565 | KKVAVVRT PPKSPSSA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.005 | -0.009 | -0.01 | t | 60710 | SRKAYDH NSPYIWPR NDYDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0 | 0.002 | t | 132834 | GTRAKFEG GQAIYEN | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.059 | 0.041 | 0.04 | t | 11264 | ECSQAAPY I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.007 | 0.012 | t | 151679 | LAALTRTP VVSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | 0.003 | 0.002 | t | 38628 | LPPTAPPLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.017 | 0.01 | 0.01 | t | 64411 | TIPAQGTS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.015 | 0.011 | 0.013 | t | 58416 | SHSQLGPP VGGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 102941 | YGCYCGA GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.018 | t | 98154 | KDTNNNL TLV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.016 | -0.014 | -0.029 | -0.03 | t | 57894 | SFSIFLLALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.033 | 0.035 | 0.037 | 0.04 | t | 55187 | RPKHPIKH QGLPQEV L NENL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.03 | t | 48688 | PNPLGFLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.07 | -0.068 | t | 133605 | HWWHKK P | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.049 | -0.042 | -0.037 | t | 96373 | IATHAKIR D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.01 | t | 98336 | PLTPLQN MGILEV G | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 21360 | GMVQTHV TTPGSIPT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.022 | t | 135965 | NIISDAMK KVGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.028 | 0.011 | 0.01 | t | 39748 | LSVSLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.017 | 0.022 | 0.023 | t | 157276 | FQSQPPP GVPQG | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0 | -0.009 | -0.008 | t | 72142 | VYQTEKFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0 | t | 38031 | LMGYIPLV GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0 | t | 38031 | LMGYIPLV GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.018 | t | 52105 | QQPQQPF PLQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.018 | 0.018 | t | 96490 | KQDEEQRL KE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.029 | t | 115199 | DAPSFSDI PNPIGSEN SEKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0.003 | 0 | t | 39187 | LRRGMFR PSQCN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 143709 | KNGLSEEIE KEVGQAE G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | -0.001 | 0 | 0 | t | 45631 | NQTARDEI RRA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.013 | -0.01 | t | 45390 | NPLGLKRG IEKAVEK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.001 | -0.01 | -0.011 | t | 93373 | MDKVLNR EESL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.028 | 0.03 | 0.032 | t | 10067 | DRYFTYEE PNDG | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.028 | 0.03 | 0.032 | t | 10067 | DRYFTYEE PNDG | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.02 | t | 79233 | GLYVIWSR DW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.038 | 0.033 | 0.028 | t | 47304 | PEHRGGP EEFEGAGD GEPPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.003 | 0.011 | t | 129610 | PLTKGILGF VFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.013 | -0.031 | -0.032 | t | 151072 | YDDVNGIR RP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.019 | t | 102335 | CKMWAD AFTSSRGK VVEC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.019 | t | 102335 | CKMWAD AFTSSRGK VVEC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.01 | -0.023 | -0.03 | t | 37794 | LLSHSNLD HILEPSIPW K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.023 | -0.027 | t | 108217 | WWNMFQ MGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.038 | 0.03 | 0.033 | t | 94954 | TTAETLDA TC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.038 | 0.03 | 0.033 | t | 94954 | TTAETLDA TC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.01 | t | 120416 | AVALREYR KKMDIPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.042 | -0.05 | -0.053 | t | 110910 | KAKPKFTL GKRKATP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.02 | -0.02 | -0.02 | t | 37335 | LLGILESRG IKARIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.035 | 0.027 | 0.03 | t | 95312 | DKENGDV TFTEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.023 | -0.037 | -0.032 | t | 136123 | AGLPNHN AMLLT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.027 | 0.04 | 0.042 | t | 26924 | IKVELTGN STLSSDYA QARA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 70673 | VQWMNR LIAFASRG NHVSPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0.003 | t | 28910 | ITGHRMA WDMMLN WS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.06 | -0.06 | -0.057 | t | 135569 | KTNMK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.026 | 0.027 | t | 117223 | NTWTTCD SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.01 | -0.01 | t | 123734 | SFSKASNS WFPVEGP ADICQ | marmos ets |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.052 | -0.053 | -0.05 | t | 106122 | SRRRSLPYS PYSPQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.007 | 0.01 | t | 142304 | SVTLVEAY TDVFDDT QVEMI | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.002 | t | 60527 | SQPQQPF PQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.027 | -0.02 | t | 128068 | PDYEPPVV HGCPLPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 147371 | VIKMIRIQ GSYVGNR KDSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 140839 | DERGTPEY NIALGQRR ADAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | -0.001 | 0 | t | 36072 | LGDDTGIH VIPTLNGD DRHK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.001 | 0 | t | 36072 | LGDDTGIH VIPTLNGD DRHK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.023 | -0.021 | t | 142941 | PCSPITQG DRGVGSS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 9940 | DRAAGQP AGNGAGG QAAGGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.01 | -0.011 | t | 32031 | KLMSKYSN TFEVNAYN MSIR | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.04 | -0.04 | t | 36025 | LFYHHKFN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.009 | t | 135413 | AAAAKAA KYGAA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0.002 | t | 57864 | SFPMNEES PLGFSPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.023 | -0.018 | t | 150853 | HIGGLSILD PIFGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.022 | -0.02 | t | 17580 | FRELADAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.056 | -0.053 | -0.049 | t | 10254 | DSTRTQIN K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.027 | -0.03 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 134048 | EQFRRMR AAEDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 117777 | CSLPMIW AQKTNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.013 | 0.01 | t | 43701 | NENKLCIK LGQGLTFN SNNI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.014 | 0.02 | t | 159060 | RELDAET KAFLKAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.009 | -0.013 | -0.008 | t | 48846 | PPNSGGV NTIQLYQT KTAQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122892 | RSILPYGDS MDRIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 153372 | DTELTQQA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 51853 | QPHGGG W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.015 | -0.022 | -0.022 | t | 48543 | PMCSNRM ADDIWSV PWYCVR | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.003 | 0 | t | 46434 | NVNELRFN IGQFLPP | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | -0.004 | -0.001 | t | 11821 | EENVEHD AEENVEH DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.036 | -0.031 | -0.03 | t | 55968 | RSSRSRG NSRNSTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.033 | 0.04 | t | 117640 | SFEYFPSHF FVPELEVTI IC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0 | t | 70113 | VNKSFEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.041 | -0.038 | t | 96335 | GRRLPVVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 144777 | SGTHMNL YLHDTAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.044 | 0.041 | 0.04 | t | 145997 | SASDQPT QYEEEMT DYQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.003 | t | 125052 | FSLRLMEE NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.043 | -0.042 | t | 35160 | LDFPALWL LKLSAQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.021 | t | 94501 | EKQISDAS RQGLRRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 118538 | NNGNLQL RKEVTWE VLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.022 | t | 91093 | AEFYQEV LFGFE | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.037 | -0.03 | t | 141706 | MLEPFQIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.002 | -0.01 | -0.01 | t | 11283 | EDAEVAG TQWFTPS GKSGC | Aotus nancyma ae |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.023 | -0.04 | -0.04 | t | 247 | AAKGTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.004 | -0.013 | -0.012 | t | 15517 | FEEINGIRKP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.019 | 0.01 | 0.01 | t | 63721 | TFNSNNKEY | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.003 | 0.001 | t | 135449 | CATLRVYKGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.011 | 0.02 | t | 133795 | DFTYDQVAFNGLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.021 | t | 115062 | HNGQACKGKIQALCE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.009 | -0.01 | t | 71589 | VTYVPSQERNFTTAPAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 134767 | QDPYVKEAENLKKYFNAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.024 | -0.021 | -0.02 | t | 52495 | QTDIAGTGLTFDIAFKFASN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.029 | -0.04 | -0.042 | t | 111729 | RHVGGGTPRRPGKEI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.029 | -0.039 | -0.04 | t | 84160 | KAGKNYIGYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.008 | -0.013 | -0.018 | t | 119535 | TQDLGYSRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.017 | -0.022 | t | 63340 | TEEEREVYSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.036 | -0.04 | -0.043 | t | 73385 | YALADASLKMADPNRFRGKD | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.023 | -0.021 | t | 132066 | SLRNSPEF QKLLGI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.007 | -0.017 | -0.01 | t | 105964 | MGSRTDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | 0 | 0.002 | t | 94644 | PNKKPGKK TTTKPTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0 | t | 153500 | WSWQPPL FPTNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.032 | -0.043 | -0.042 | t | 11273 | ECTLKKS SGYCAWP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.047 | 0.03 | 0.03 | t | 73151 | WTPEEDQ K | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.024 | 0.02 | t | 70499 | VPVDAPH AGTKPHSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.01 | t | 106304 | CDRSYTTR RW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.035 | -0.047 | -0.041 | t | 120163 | QWKAEFH RWS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.004 | -0.011 | -0.01 | t | 56195 | RTTPDRQ AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.042 | -0.05 | -0.05 | t | 12184 | EGHRMA WDMMNWS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.007 | -0.01 | -0.01 | t | 49513 | PSSPPQW K | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.03 | 0.031 | t | 120155 | QPSPYNG WRMEI | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.031 | t | 120155 | QPSPYNG WRMEI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.007 | -0.01 | -0.01 | t | 53572 | RELQKRLY SN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.019 | t | 134020 | CPEEPQLR MKNNEEA EDYDD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.019 | t | 134020 | CPEEPQLR MKNNEEA EDYDD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.021 | t | 10168 | DSLPHPQ QATDDSG H | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.039 | -0.032 | t | 136217 | FAYRTFYK YD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.027 | t | 9586 | DPAFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.034 | -0.05 | -0.05 | t | 881 | AEEKLKKK SSFYQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.011 | t | 74479 | YKMFLHT GAVIVLPE DDLPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 7895 | DDYNYWT PINKKEFL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.027 | 0 | -0.005 | t | 75418 | YPTFGEHK QEKDLEY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.009 | 0.01 | t | 67264 | TWHLPSH TQTQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.013 | -0.01 | t | 63658 | TFGGLLGE KT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | -0.007 | -0.005 | t | 116286 | CGKGLSAT VTGGQKG RGSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.01 | -0.01 | t | 99963 | DTVQLRRK LEFFTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.01 | -0.019 | -0.028 | -0.02 | t | 55668 | RRPEGRT WAQ | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.041 | -0.04 | t | 144786 | SMNRGRG THPSLIW M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.007 | t | 45673 | NRFAGMF SLGARQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.068 | -0.073 | -0.07 | t | 46899 | PAPRRKFQ QVKRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.036 | 0.02 | 0.02 | t | 11704 | EEIVPNSV EQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.037 | -0.043 | -0.04 | t | 21113 | GLRSEFPI WM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.07 | 0.05 | 0.049 | t | 141777 | VVDSEDL LN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.011 | 0.01 | t | 52000 | QQACKGKI QALCENP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.007 | -0.01 | -0.009 | t | 52821 | QVYLHGD KTKPMILT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 119663 | VIVELIPST SSAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 38345 | LNTEPSQL PPTAPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 6918 | CRFPNITN SHVPILQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 156916 | LNEKQCTR PCLHLT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 136567 | PYWKWQ YKYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 113775 | QQGQQP GQGQQPG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.041 | -0.041 | -0.04 | t | 18500 | GAAALRA HVSGRRA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | 0.002 | t | 27757 | INTTGNPE H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.007 | -0.004 | t | 59511 | SLTITQLLK R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.012 | t | 52152 | QQSPQQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.007 | -0.01 | t | 8557 | DHNSPYI WPRNDYD GFLENA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.02 | -0.022 | t | 43214 | NALSSLVD RAFFNSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.022 | t | 43214 | NALSSLVD RAFFNSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.022 | t | 43214 | NALSSLVD RAFFNSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 115399 | NMAINPS KENLCSTF CKEVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.01 | 0.012 | 0.01 | t | 15925 | FFTPKESE QLKVIKTFE GIL | Mus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 105718 | DPSIMAKF TQFAGKDL ESIK | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.023 | t | 108198 | VQFKESNR LNSPLAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.01 | 0.01 | t | 123400 | KTKVLYHD VQMDKSN R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.009 | t | 130453 | CLFFQNGK VKCAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.003 | t | 110833 | EQFNWVS RLANLTQG EDQYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.017 | 0.022 | t | 105037 | WEPFASG KTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0.008 | 0 | 0.001 | t | 12375 | EHWSYGL RPG | Canis familiari s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.01 | t | 131035 | RHQREITR TTLQSDQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.009 | 0.009 | 0.013 | t | 99401 | KTNACHN GGGFSEVI FR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.023 | 0.022 | t | 46000 | NSTGADA ADSGGRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.017 | 0.021 | 0.02 | t | 35244 | LDNPLENP SSFLDLVA RIKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.025 | 0.01 | 0.01 | t | 139761 | GLGGTAQ | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.035 | -0.033 | -0.038 | t | 122904 | SNTRVFPN PNNKQAL Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.023 | 0.03 | t | 116681 | CFEGQEKA HNQDLGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.01 | t | 138220 | PTPGKGPA DR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.009 | -0.013 | -0.02 | t | 98092 | HEVDKDIS QLTQAIVK NH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.008 | -0.027 | -0.028 | t | 144619 | DYIWNTL NSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 106597 | LDLKRTTT THTSGGG C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 60880 | SSAEGDLV GWPSPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.01 | t | 98793 | GEQFMQ WFLQEQIE EVALMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0.004 | t | 108600 | QLINTNGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.006 | 0 | t | 118380 | GKPIP NPL LGLDST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.042 | 0.041 | 0.041 | t | 122140 | LQDSGVH DVAVISEA QAATA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.055 | -0.06 | -0.053 | t | 115909 | PYPQRDM PIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0 | t | 44221 | NIETVIEFQ QKNRLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 118011 | LYKEKALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | 0 | t | 67248 | TWAQPGY P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.027 | t | 57314 | SDWDCCD VCCNPAC AGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.02 | -0.02 | -0.018 | t | 136727 | VNWNSW HKT NLS | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 136727 | VNWNSW HKT NLS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.027 | -0.029 | t | 4907 | ATCDKLFG YYERGIPLP CAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.013 | -0.02 | -0.018 | t | 138835 | CLNSFLRS C | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.027 | 0.02 | 0.023 | t | 41608 | MGPNLVL PDQKPPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 80000 | RGTGSYNR SSFES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.009 | -0.013 | -0.01 | t | 99331 | IGRNRSPD IYNPQAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.01 | -0.01 | 0 | 0.003 | t | 59967 | SNYYSDNE IEQHTAKQ PKL | Mustela vison |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.017 | t | 108216 | WWATFFE ATR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.027 | -0.03 | t | 20916 | GLIGIPALI CCCRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.033 | t | 95036 | RTCMTTA QGTSMPY SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.017 | 0.022 | t | 58251 | SGTEEILEK VSASQEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.022 | t | 58251 | SGTEEILEK VSASQEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 149297 | ELDKWAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.032 | 0.027 | 0.031 | t | 41204 | MCQCVQK YGTEFCKK RLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.007 | -0.011 | t | 109938 | SPRSGDLS VY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.062 | -0.063 | -0.061 | t | 99031 | TSRNNPFY FPSRRFS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 137942 | PGSEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0.012 | 0 | 0 | t | 140868 | HLINTNGS WHINSTA | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.024 | 0.03 | t | 118450 | KGDKAQIE KRIQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | 0 | t | 55389 | RQAESSEA MAAWSER AGEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.018 | t | 106565 | KKVAVVRT PPKSPSSA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.018 | t | 106564 | KKVAVVRT PPKSPSSA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.024 | -0.023 | -0.029 | t | 105887 | ISRCQVCM KKRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.012 | 0.01 | t | 39253 | LRYHNKVY CTTSKSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.023 | 0.027 | t | 25795 | IEEVALSTT GEIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 150874 | NWFDISK WLWYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 137759 | NQEDAEAI THLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 151601 | ADLSLEKA ANVQWD E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 137947 | PNTMKTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 151713 | RGEARK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 138047 | SSKPVSY | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|--------|-------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 138097 | YPYPLIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134335 | CTKPSDGNCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 150858 | ISSLYNLVKSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 156903 | KNRGIKTF SN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 151609 | DETPMRGETRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134478 | PSCCCTKPSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134557 | TCTIPAQGTSMFPSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134472 | PLLPGTSTTSTGPCKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 138088 | WLDLSKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134462 | PCKTCTIPAQGTSMFPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 149247 | AEQQWALYADGSIRPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 137941 | PFRSYTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 137770 | TLARSFIICIQM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 118963 | PNYKVNYYAVTK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 131274 | VVRF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 125415 | FSPDGKPCTPPALNCYW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 131217 | EDISAYLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 108832 | CGDRGFYFNKPTG | Mus musculus |

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|---|------|---|---|---|---|---|---|-------|---|--------|--------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 105651 | AEFRHDS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 107427 | GRGDSVAYGLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 107428 | GRGDSVVYGLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 102384 | EFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 102384 | EFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 104443 | DAEFRHDSGYE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 105319 | LVFFAEDVGSNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63839 | TGGSTDGKQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 60917 | SSAVVDNKLKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 71506 | VTSTLTSLFRPGASQKIQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 51371 | QLINTNGSWHIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43242 | NANPNANPNANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 51371 | QLINTNGSWHIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 40332 | LVFFAEDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43242 | NANPNANPNANP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 51371 | QLINTNGSWHIN | Mus musculus |

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|---|------|---|---|---|---|---|---|-------|---|-------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 48536 | PLYISNPN Y | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 45932 | NSNNPDW DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 28299 | IRGDTFAT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 24564 | HPYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 24970 | HTRVTGG VQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 25146 | HWYISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 14435 | ETIYNTTLK Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 32808 | KPNLSSKR SELSQLSM YRVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 10433 | DTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 4401 | ASFFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 3275 | ANETIYNT TLKYGDVV GVNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 10171 | DSLSEEEKE LLNRIQVD S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | -0.003 | 0 | t | 68087 | VDVSEGDI VIYSKYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.027 | -0.027 | -0.028 | t | 114866 | KAQHGRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 78470 | NCLSSDEP LHIRWCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 119560 | DLVLYNNA DGDFAIVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 134153 | LRRVLLPLI FRNVEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.033 | -0.031 | t | 118805 | GGNGGGI GGGMGG GVGIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.048 | t | 153458 | SELSPAML HFMFGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 1262 | AFASRGN HVSPAHYV PESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.009 | t | 107773 | CSVMHEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.035 | -0.03 | -0.031 | t | 61410 | SSTRGGSR VEGIFAGL FMNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.01 | t | 131687 | SYPDNSYQ QPYGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.039 | -0.041 | -0.038 | t | 6712 | CNNPHRIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.026 | -0.03 | -0.032 | t | 65698 | TPPRPAGD NATVAAG HAT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.009 | -0.01 | t | 46871 | PANKEESIS FHFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 119757 | ARRRATQL AH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.017 | -0.01 | t | 125462 | KLPLSLSFL HLTRADLS YPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.037 | -0.029 | t | 122321 | DVVLYNN ADGDFAI VH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.015 | -0.026 | -0.031 | t | 142433 | KNDSLPH EPNNLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 129973 | SPRSFQKK T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 13572 | ENPVVHFF KNIVTPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.053 | 0.039 | 0.038 | t | 53859 | RGETPGQL LPEIMQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.024 | -0.031 | -0.031 | t | 105863 | HHQKL VFFAEDVGSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.052 | 0.041 | 0.039 | t | 116958 | DSMNTDT STRPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.031 | t | 140718 | NKWERAR YAER | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0 | t | 122108 | GVGVELE NSMGGLN F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | 0 | 0 | t | 53572 | RELQKR LYSN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.033 | -0.029 | t | 78472 | NPDWDFN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.033 | -0.029 | t | 78472 | NPDWDFN P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.051 | -0.047 | -0.05 | t | 79626 | PRNVRVT GCYQCGT PALVEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.027 | -0.028 | t | 61473 | SSWPKLEQ F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0.009 | -0.004 | -0.008 | t | 78123 | DSSPSV | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.007 | -0.01 | -0.009 | t | 138885 | NNQSPILK LSIH | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.028 | t | 79889 | KQLTFEGK PALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.013 | 0.009 | 0.01 | t | 32633 | KNVNFQP SGVTTRQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.007 | -0.008 | t | 60170 | SPNVSVPS SSSTPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.013 | -0.009 | t | 27728 | INQQLNPK TNKWEDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0.007 | 0.007 | t | 125605 | YKEKSKFQ DTHNNAH YYVFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.033 | t | 134710 | KNWKEES DRKIMQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0.003 | 0 | t | 57508 | SEKTIWSLI AWQRSNA EFEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.039 | -0.043 | -0.039 | t | 76326 | YVKRVKT WRM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.012 | -0.003 | 0 | t | 70352 | VPKPQGPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.008 | t | 132033 | QQRKESKKPPAKLQPR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.048 | -0.05 | -0.05 | t | 131939 | KVLTSFTNKELQAYAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.016 | 0.01 | 0.012 | t | 44575 | NKPTLDLELI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.009 | t | 36004 | LFTPGAKQN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.002 | t | 52086 | QQPFPQQPQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | -0.003 | t | 50931 | QGGAPQGGAPQGGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 115387 | NAVPIPTLNREQLISTSEEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.035 | 0.026 | 0.02 | t | 59693 | SMKGLSSTSIVYILI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134418 | KGAIIGLMVGGVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 119601 | KGNNVHGFQKQIIRSFY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 131582 | PEEDDITWTSDQRHGVIGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 131710 | TPDAPGETV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 102510 | HHQKLVFFAEDVGSNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 102384 | EFRH | Mus musculus |

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|---|------|---|---|---|---|---|---|-------|---|--------|----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 106225 | ADIWLTPD PTTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 105163 | EFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 106515 | HLPSFLRP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 102384 | EFRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 107428 | GRGDSVV YGLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 104443 | DAEFRHDS GYE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 116080 | ATGGTLQ QLFYSITV GQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 116080 | ATGGTLQ QLFYSITV GQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 106535 | IFPSFLRPD PPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 106487 | GTSTEVWL APDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 64587 | TKINADNP VPILELE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.071 | -0.07 | -0.07 | t | 38199 | LNEEAER WVRQNPP GPN | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 55255 | RPPKWVS AQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | -0.002 | 0 | 0.002 | t | 156977 | YGAPEITK DGYKVIKSI K | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.025 | 0 | -0.004 | t | 141761 | TAPPLPH SNLD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.049 | -0.047 | -0.04 | t | 109624 | NHQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.041 | -0.04 | t | 78749 | MPKTRRR PRRSQRKR PPTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.002 | t | 156872 | FSKSSSWE SWLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.002 | t | 156965 | SVQERYYA FWST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.002 | t | 156850 | APHNKWP HLNPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.002 | t | 156911 | LGMSTNP GPRIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.002 | t | 156843 | AHSEMG T RATMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0.002 | t | 156871 | FQNIASM PHLYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.002 | t | 47045 | PCSICSNN PTCWAICK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | -0.003 | 0.002 | t | 17262 | FPCDRLSG YWERGIPS PCVR | Myodes glareolu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.005 | -0.001 | 0.001 | t | 4467 | ASICQMFC FWRGDLV FDFQV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.052 | 0.043 | 0.042 | t | 104995 | SYSTTAVV TN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 35310 | LDTNGGT GTAIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.016 | 0.01 | 0.01 | t | 35310 | LDTNGGT GTAIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.013 | -0.01 | -0.008 | t | 72913 | WNTGGSR YPGQGSP GGNRYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.028 | 0.01 | 0.008 | t | 22813 | GTSESTET SEVSTYSM S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.02 | t | 131759 | WTLFFQN GKVKVFQ GNQDSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.002 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.042 | 0.03 | 0.033 | t | 68100 | VDYLKEKT KDQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 113815 | RLHRPALT SR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.001 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.001 | t | 133776 | AGDLSKVD AKQPGDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.001 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | -0.001 | t | 63098 | TCRRMLAF LKDKENR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.041 | -0.05 | -0.05 | t | 99915 | CIFPLCLGR PIAASYPP KTR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.022 | t | 78006 | SIPYLSAAD YAYTASDV AET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.024 | -0.021 | -0.013 | t | 62335 | SVSSFERFE IFPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.052 | 0.041 | 0.04 | t | 52003 | QQATRQA QD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 53269 | RCESALHV WVPPLLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.025 | -0.027 | -0.03 | t | 131010 | PSTRWTEL DDVKRLLK GSRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.014 | -0.019 | -0.019 | t | 4071 | AQSRNVR TFTGLFTS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.033 | 0.03 | t | 97029 | VDLSYLAP KNPGTGP AFTII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.026 | -0.03 | t | 11354 | EDINGIRR PKHLYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.004 | -0.02 | -0.018 | t | 49151 | PQWKLQP G | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.033 | 0.038 | t | 118546 | PAGGAVA VSAAPGSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 98378 | QNSKSAYT PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.029 | 0.031 | t | 97596 | QTPLTMA ALELL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | -0.009 | t | 18441 | FYNQKFKG KATL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.043 | -0.04 | t | 131685 | SYAIAWH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0 | t | 8602 | DIDLGESR VVIQDYDN QHEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.02 | t | 21406 | GNDWEDR YYRENMY RYPNQV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.026 | -0.022 | t | 45574 | NQLDQMP RRFYLAGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.008 | -0.008 | t | 106596 | LDLKRTTT THTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.031 | -0.03 | -0.028 | t | 22784 | GTPNPNP NPNPNPN PGTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.029 | t | 101258 | SQNALPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.012 | t | 11820 | EENVEHD AEENVEEN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.007 | 0.012 | t | 11820 | EENVEHD AEENVEEN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0.003 | 0.002 | t | 115628 | LPCRISPGK NAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 147033 | IILHQQHH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0.002 | t | 37656 | LLPHSNLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.024 | 0.013 | 0.012 | t | 63132 | TDDKTLDE AEKSPL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 55260 | RPPNAP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9753 | DPRVRGLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.039 | 0.027 | 0.028 | t | 18994 | GDGRQTITNPAYDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.041 | t | 115518 | TPEGDLEILQQKWENG ECAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | 0 | -0.002 | t | 19119 | GDSSNTGAGKALTGL STGTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.033 | -0.031 | t | 142941 | PCSPITQGD RGVGS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 135490 | QIFNLFTTK DSSAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.013 | -0.01 | -0.008 | t | 132857 | LHFNKRILK SKMSES | Trichosurus vulpecula |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.033 | 0.041 | t | 140665 | DTAAQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.018 | 0.02 | 0.02 | t | 17973 | FTIDYFQPN NKRNL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.02 | 0.03 | t | 117410 | YLQTPMT VHPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 71866 | VVVAPDKE ILYAEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 136011 | VPALTAVE TGHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 135958 | LTAVETGHT TSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 136006 | VETGHTSQ VTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 135944 | KEQFEFALT AVAEVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 135895 | ALLRCIPAL DSLTPANE DC | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 136010 | VMIKSLPA LNSPTVEE C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 135990 | SASVPALT AVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 119823 | EDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 119823 | EDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 118338 | ESEESDDD MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 120699 | KMFPEVKE KGMAALP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 123443 | LLTEHRMT WDPAQPP RDLTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 119478 | KNDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 118446 | KDIKKILDS VGIEAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 118497 | LNGKNIED VIAQGIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 125552 | RRFEYDDP RFLRLDLA QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 118546 | PAGGAVA VSAAPGSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 125552 | RRFEYDDP RFLRLDLA QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 117742 | AKAQTD EDLRTLLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 120682 | KILPEVKEK HEFLSRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 119475 | KKIK | Homo sapiens |

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|---|------|---|---|---|---|---|--------|---|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 117773 | CNSRQTD REDELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 125428 | GSDDYVW LSRLDLAP NYRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 122781 | GQVRRPE MGDQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 119457 | GLELPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 131344 | AIGDRSKT DRENSVSI G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 119508 | QFIGYPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 122486 | MILHPDV QRRVQQEI DDVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 118645 | VAVSAAP GSAAPAA G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 117348 | PTRAPSGP RPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 117366 | RRREGPDR SPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 101722 | HTQPYAYE ARDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 67730 | VARALAH GVRVLED GVNFAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 65423 | TNSHVPIL QERPPLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 73975 | YGAGVAG ALVAFKIM SGEVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 55838 | RSFQNKKS LVAFKIMP LEDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 37425 | LLISQAEA ALENLVIL NAAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 54747 | RLRSSVPG VRLLQDSV DFSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 20512 | GKAKTKAV SRSQRAGL QFPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 28982 | ITLPQDAV SRTQRRGR TGRG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|-------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 22545 | GSTMMQ TKTFSSSS SKKMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 12994 | ELDQENEA ALENGIKN EENT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 2677 | ALKTELED TLDSTATQ QELR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 876 | AEEEEDD MGFGLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 6015 | CAPESIEFP VSEARVLE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 2379 | ALAELATK TFGSSGSS AVDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 1265 | AFASRGN HVSPTHYV PESDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 7756 | DDDMGFG LFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.026 | -0.029 | -0.028 | t | 10125 | DSGCVVS WKNKELK C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.044 | -0.042 | t | 34965 | LASLRKAF ADTVVPRP PSNY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.02 | -0.031 | -0.03 | t | 59729 | SMNRGRG THPSLIW MC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.027 | -0.02 | t | 130994 | PDQRPYC WHYPPKP C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.011 | -0.009 | -0.008 | t | 49150 | PQVVMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.022 | 0.013 | 0.012 | t | 104695 | YLLYYTEFT PTEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.01 | t | 46293 | NTTVIVREI VGDTMKT TVTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.01 | t | 46293 | NTTVIVREI VGDTMKT TVTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.013 | 0.01 | t | 42060 | MLSKYSLPI VEEPEDYK EAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.02 | -0.02 | t | 64601 | TKKPGGP GKNRAIN M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.002 | t | 156900 | KLGDPRIA TTLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.003 | -0.001 | t | 130834 | FPDLGQEV ALNANTK NQKIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.007 | 0 | t | 119837 | ELIPSTSSA VPLIGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.042 | -0.049 | -0.048 | t | 30025 | KAWLVH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.016 | -0.006 | -0.007 | -0.008 | t | 106526 | HYLHRVTY RVTCSTS | Maccullo chella macquar iensis |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.007 | -0.008 | t | 106526 | HYLHRVTY RVTCSTS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139525 | ISSQTNDT HKRDTYA ATPRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.007 | 0.01 | t | 18051 | FTPSPVVV GTTDRSGV PTYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0.001 | t | 24438 | HPDSIHFP LASP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.005 | -0.02 | -0.021 | t | 137749 | DTQLTYAG LKL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.017 | 0.018 | t | 66935 | TVAFNQF GPNAGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.017 | 0.018 | t | 66935 | TVAFNQF GPNAGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | 0.009 | 0.002 | t | 115797 | IQDTRNAV RASRIQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.026 | -0.02 | -0.017 | t | 21723 | GPPAAGP PAAGPPA A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 108144 | SRLAFGDQ L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.029 | -0.031 | t | 38249 | LNKHIDAY KTFPTEP K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | -0.007 | -0.001 | t | 63096 | TCRNMWS GT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 107324 | DTLKAGLI R | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.033 | t | 122458 | LEPETGKD MSPYEAYK RGII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 108897 | EIDGPAGQ AEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | -0.003 | 0 | t | 56202 | RTTTASGK LIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0 | -0.001 | 0.003 | t | 79926 | MASMTG GQQMG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | -0.003 | 0.001 | t | 30333 | KEDVPSE RYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.02 | t | 142441 | LFSPWLRV QNHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 120316 | WNPADYG GIKKIRLPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.009 | -0.01 | t | 47138 | PDLGVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.009 | -0.01 | t | 47138 | PDLGVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.02 | t | 40074 | LTPANLIR GDNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.05 | 0.039 | 0.041 | t | 97113 | YERDPYSP S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.03 | -0.036 | t | 40022 | LTLNWSKT L | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.029 | 0.02 | 0.022 | t | 78629 | DQKPPSR QSQIESR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.06 | 0.04 | 0.04 | t | 139317 | TLLELPAAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.02 | -0.019 | t | 102930 | WPYFKTYS Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.004 | 0 | t | 71189 | VSVITPGT NASSEVAV L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.043 | -0.039 | t | 47719 | PGPARVIY TY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.029 | 0.03 | t | 55389 | RQAESSEA MAAWSER AGEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 77782 | GRVSARG CTFVACW KGVVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.035 | 0.031 | 0.029 | t | 133733 | VKTLLPYG SVINYGY VKPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 138255 | TTLTLRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.01 | 0 | 0 | t | 85174 | LFTQQGG AYGRC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.021 | t | 112453 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.021 | t | 112453 | ASQKRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.028 | t | 105945 | LTHCGSGA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.023 | t | 115399 | NMAINPS KENLCSTF CKEVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | 0.002 | -0.013 | -0.02 | t | 73975 | YGAGVAG ALVAFKIM SGEVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.019 | -0.017 | t | 96497 | KRELRLNP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.019 | -0.03 | -0.031 | t | 93373 | MDKVLNR EESL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.01 | t | 15518 | FEEINGIRR P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.01 | t | 15511 | FEDVNGIR RP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.042 | -0.043 | -0.038 | t | 55930 | RSQPRGR RQPIP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.008 | t | 49099 | PQQPQQS FPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.006 | 0.008 | t | 96503 | KSGTIFDN FL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.008 | 0.001 | 0 | t | 65667 | TPNISIPQ QTSSRTILF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 128340 | ATPKKSAK KTPKKAKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.011 | t | 9232 | DLPDYGDY GEDLFDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 153435 | NTPAANN RARREAP QYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.01 | -0.021 | -0.02 | t | 11552 | EEDKPKYE QG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.029 | t | 62852 | TAGHGAY GITSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.02 | t | 137947 | PNTMKTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.01 | 0.018 | t | 106673 | NCHTHEG GQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | -0.003 | 0 | t | 29129 | ITVEELKQL LEQWNLVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.02 | t | 96062 | ADTIQKGF YY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.002 | t | 56329 | RVKMEKLK LKGTTYG MC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 122468 | LLDRKSGK QYSIEAAL RCRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.013 | 0.013 | 0.02 | t | 127673 | GPLVLSEA ENGP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.003 | 0 | t | 4482 | ASILCKCYT TGTIIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.041 | -0.03 | -0.03 | -0.028 | t | 156893 | IPHPKLGD PRPM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0.004 | t | 104660 | TVKDKIAK EQENKETI GTLK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.033 | t | 131035 | RHQREITR TTLQSDQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.009 | 0.01 | t | 55389 | RQAESSEA MAAWSER AGEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.007 | -0.009 | t | 56614 | RYPHYSLIK PESSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.027 | -0.02 | t | 123512 | MPPPGMI P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.059 | -0.057 | -0.058 | t | 20823 | GLEPRRRK VKTTVV | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 58788 | SKARPYIE QAQVIAH QFKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.011 | 0.01 | t | 36648 | LINTNGSW HI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.007 | 0.01 | t | 142217 | LDASREAK KQLEAEQ QKLEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 110082 | VYFCASSF STCSANYG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 156865 | EQATCDH TNEWCAK MM | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.007 | 0.004 | t | 130868 | GQSYPPRP DTSLHVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.027 | 0.031 | t | 115379 | MAIPPKKN QDKTEIPTI NTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.047 | -0.033 | -0.04 | -0.039 | t | 61708 | STLAKHAP AGYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.013 | -0.01 | t | 67269 | TWKIEKAS F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.044 | 0.04 | 0.04 | t | 42614 | MSNFKVR DPVIQERL DHDYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.001 | 0.002 | t | 65044 | TLRKYC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.037 | -0.04 | -0.039 | t | 153435 | NTPAANN RARREAP QYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.049 | t | 137866 | GDTRPRFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.041 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.005 | -0.011 | -0.01 | t | 79023 | MDGTASV NIPAGTYD FAIAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.01 | t | 79023 | MDGTASV NIPAGTYD FAIAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.011 | -0.01 | t | 26610 | IINNSTNV VIRACNFE L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.001 | -0.011 | -0.01 | t | 110586 | GAPGNRG FPGQDGL A | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.019 | -0.031 | -0.032 | t | 36045 | LGAARGYT FGAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | -0.003 | 0.001 | t | 47669 | PGGPDRFT LLTPGSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.023 | -0.019 | t | 131701 | THHINNM KPSFTREN T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0 | t | 56929 | SAPLGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.03 | t | 31018 | KGNCSGPT TIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.007 | 0.011 | t | 39789 | LTAENTAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.001 | 0.001 | t | 138199 | KQYLERTR AEVDTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78997 | IGCHFPCS FGPVWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.003 | t | 11815 | EENVEENV EENVEENV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.017 | 0.02 | t | 117742 | AKAQTD EDLRTLLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 130805 | ELNPEPDT EVFPMTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 79642 | SGTSHIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.002 | t | 51933 | QPQQSFP QQP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.023 | 0.031 | t | 122871 | PETQPGPL TLELQIAK DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.012 | 0 | -0.001 | t | 59900 | SNSDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | -0.001 | t | 59900 | SNSDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0.002 | t | 6222 | CFDYAPYV SAVDDIC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.014 | -0.019 | t | 48125 | PKPQRKTK RNTNRRP QDVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.033 | -0.04 | -0.039 | t | 132802 | ESTLHLVLR LR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.034 | -0.041 | -0.04 | t | 70661 | VQVRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0.004 | t | 138225 | QH NKSPN LYWRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.054 | -0.06 | -0.06 | t | 92303 | AKR FKINAI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.019 | -0.02 | t | 97391 | IAEAMRKV KKEGVIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.013 | -0.009 | t | 40150 | LTRGSPVT GPFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 38397 | LPAHGPSL S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.027 | -0.027 | t | 114764 | DENPVVH FFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.02 | -0.02 | t | 14407 | ETHVTGG NAGRTTA GLVG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.042 | -0.043 | -0.041 | t | 99420 | LHLLGFGI NAENNHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.049 | 0.03 | 0.03 | t | 50254 | QAGDQSY F | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.001 | 0 | t | 22329 | GSFSAEHF LDDFAIW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.067 | -0.067 | -0.07 | t | 7734 | DCTLIDALL GDPH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.043 | -0.04 | t | 149120 | TFTRVVTD VYRPRLS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 110965 | PNNNKILV PKVSGLQY RVFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 110938 | LYIKGSGST ANLASSNY FPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 38810 | LQAMRKY SPFRNGY MEPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 60062 | SPGGLEPP SEKHFRET EV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 47984 | PISLLFNEK EADDNDH EPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.007 | -0.008 | t | 95695 | PVKQTLPP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.013 | 0.01 | 0.012 | t | 7201 | CTQSLAGL FRPGASQ N | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.02 | t | 134704 | KFFNSNKK KRDDFEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.002 | -0.01 | -0.01 | t | 56602 | RYNRNAV PNLRGDL QVLAQK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.02 | 0.013 | 0.012 | t | 16832 | FLPSDFFPS I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79248 | HCRMYEK LHHTACL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.001 | 0.003 | t | 146185 | DAEFGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.003 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | -0.003 | -0.001 | t | 107226 | QQPVSSW VVFSSDAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0 | t | 121064 | WKHWVY YTCCPDTP YLDITY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0 | 0 | t | 99901 | ARISVPYV GLANAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.011 | -0.011 | t | 97547 | PFVPRADE PARKGKV H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.003 | 0.003 | 0.012 | t | 127666 | GIQPTWV PFHSTLSR EQ | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.024 | -0.028 | t | 70440 | VPPVPAG RPWRSVP PVWYSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.01 | -0.02 | -0.02 | t | 4856 | ASYVKKPK EDVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.012 | 0.015 | 0.022 | t | 138910 | SEGGDEYV TKGEVVET D | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.003 | 0 | t | 125561 | SSATMTQ DSRLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.022 | -0.029 | -0.03 | t | 71163 | VSTQSAKN PPGATVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.01 | 0 | -0.002 | t | 31072 | KGTHSLYS QIAGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106742 | QRRQIEAG LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.022 | -0.03 | t | 98387 | QPPCPNLV SYSSYHAT YS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.012 | t | 43152 | NAGGNAG GNAGGNA GGNAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.032 | t | 137398 | ETPADLST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 119580 | FMESGEW VIKESRGW KH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.017 | 0.019 | t | 158605 | QFGTFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.03 | 0.014 | 0.01 | t | 75881 | YSRPVVSA NGEPTVKL YT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 38523 | LPHSNLDH ILEPSIPWK SK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 38523 | LPHSNLDH ILEPSIPWK SK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 119656 | TVDKSRW Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.025 | 0.03 | 0.033 | t | 117598 | PEPAKSAP APKKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.021 | 0.019 | 0.021 | t | 68875 | VHNSHAS WRYTG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.061 | 0.051 | 0.051 | t | 57880 | SFRGSAQG IEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 68034 | VDPDDVN KNTLQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.044 | -0.056 | -0.06 | t | 58954 | SKTVGTAE EKLKKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 49961 | PVSGPFGP LPSLAFSA VPAD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.058 | -0.06 | -0.059 | t | 79619 | NHPPKRQ PG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.058 | -0.06 | -0.059 | t | 79619 | NHPPKRQ PG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.039 | -0.04 | t | 63273 | TDWDVKG GGSPLYRH GD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 143328 | DEGDTDLY DYYPEE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0 | -0.011 | -0.011 | t | 42791 | MTDVVFY RYSNNYEG QPHIS | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.008 | t | 27961 | IPNKKPGK KTTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | -0.001 | 0 | t | 47986 | PISLVNLST ASSAPPTR VRR | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0 | t | 47986 | PISLVNLST ASSAPPTR VRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.009 | 0.012 | t | 149522 | VTGVTTQ GVK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.011 | -0.008 | t | 149481 | SVCLHEVA YW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.008 | -0.019 | -0.02 | t | 37301 | LLFTGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.028 | 0.017 | 0.022 | t | 33294 | KSDNNVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.032 | 0.012 | -0.003 | -0.01 | t | 127627 | DRGEGNM LWIDWLS K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.027 | -0.03 | t | 92 | AADMIMH TPGCVPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 136216 | FAWKWQ YIYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.016 | -0.03 | -0.032 | t | 99876 | AEFRHDSG YE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.02 | 0.022 | t | 141758 | SWRNNILR TQES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.013 | -0.01 | t | 6925 | CRGFTSFK KPPTPPPE PET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.061 | 0.051 | 0.051 | t | 57880 | SFRGSAQG IEGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.021 | -0.018 | t | 138840 | DREQAPN LVYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 18587 | GAGGGAG AGGAGAG GGGRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.027 | 0.019 | 0.02 | t | 33754 | KTLEAILSF ARRGTI | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.007 | 0 | t | 123849 | WQDE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.047 | -0.06 | -0.06 | t | 52321 | QSFRRLLGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.061 | 0.047 | 0.048 | t | 55575 | RRGMEPH MSECCEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 16017 | FGNDWED RYYRENMY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.017 | -0.019 | t | 17262 | FPCDRLSG YWERGIPSPCVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 39164 | LRPGPVSQ PYHHWDTDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 14435 | ETIYNTTLKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.012 | 0.02 | 0.02 | 0.022 | t | 156947 | QTKSECTE VCKNLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.001 | -0.01 | -0.012 | t | 111736 | RLYDPNQ AALQALRN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.013 | 0.012 | t | 6979 | CSDTIDAG KD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.021 | 0.013 | 0.012 | t | 6979 | CSDTIDAG KD | MD |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.02 | t | 30092 | KCTNTDRP PFCQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.01 | t | 1367 | AFNQFGP NAGQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.021 | -0.019 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.021 | -0.01 | t | 104047 | LNKTFYY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.028 | -0.026 | t | 138191 | HPTWSSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.002 | t | 29378 | IVNTLNEIY RYLYVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.013 | -0.009 | t | 24168 | HKYSWK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | -0.003 | 0 | t | 38505 | LPGKCGV NVPYKIST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 156924 | NLNHWYK SWLLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.025 | -0.02 | -0.02 | t | 95048 | VIFQTPLIK NPDVKSAI EG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.001 | 0.009 | 0.013 | t | 63038 | TAVSPTTL RTEVVK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.046 | 0.04 | 0.042 | t | 12076 | EFSSSEFLE NKSSVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.05 | -0.049 | t | 65408 | TNRHNP HLHHV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.02 | t | 94447 | CCHPACG KNY | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 21912 | GQLSDHP HALSSSS HAEPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.018 | -0.023 | -0.021 | t | 99634 | RQPREDW RRPSHQQ P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | 0.001 | t | 10320 | DTDSGYD VPDY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.029 | 0.03 | t | 122401 | HSEAETGP P | Homo sapiens |

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|---|------|---|---|------|-------|-------|-------|-------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.016 | 0.002 | 0.01 | t | 22444 | GSPLRQRR S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 144664 | GREGYP DGGGLPD SVKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 141581 | YVYRWVE AECVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 156977 | YGAPEITK DGYKVIKSI K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 136818 | ANFIIFRPV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 137759 | NQEDAEAI THLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.003 | t | 156977 | YGAPEITK DGYKVIKSI K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 150155 | CKAFSNSY PYDVPDYA SL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 145841 | KEDFRYAIS STNEIGLLG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 139725 | EMRTRIRY NRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134494 | QLYKTCKQ AGTCPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 136118 | AEFPLDIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 150406 | LSAYDPVD YPYSNSFA KC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 144623 | EEAEGTTD AQIDANRK RESE | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134494 | QLYKTCKQ AGTCPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 137944 | PGTEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 139881 | RGDKSRPP VWYVEGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 133698 | SLLTEVETP IRNEWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 133469 | YYNETKL KESYKVKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 98049 | FVPRAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 104895 | LVEALYLV CGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 111039 | TGVPIDPA VPDSSIVPL LES | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 110840 | EVTIGDIEE PPILEVVPE TH | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|-----------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 64541 | TKDTNNNL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 95040 | SHRPREAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63122 | TDAYNQKL SERRAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63122 | TDAYNQKL SERRAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 82657 | GGYEFLLA NDVDNSN PVVQ | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 62440 | SWFDNFL YPTH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 62831 | TAEGRIN RRVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 95032 | PAGTGDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 78938 | CAPGQNL CY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 84423 | KKGLQQL QEWDW VGWIGN | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 61536 | STCEGNLA CLSLSK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 71693 | VVIANNV DKFVSWG TDFEM | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 71693 | VVIANNV DKFVSWG TDFEM | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 68200 | VEGMQFD RGYLSPYF | Mus musculus |

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|---|------|---|---|---|-------|---|---|-------|---|-------|----------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.003 | t | 61536 | STCEGNLA CLSLSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 94539 | HFEVFNFV PCSIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 68200 | VEGMQFD RGYLSPYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 70259 | VPCSICSN NPTCWAI CK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 70390 | VPNLRGDL QVLAQKV ART | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 76290 | YVHDNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 70390 | VPNLRGDL QVLAQKV ART | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 65698 | TPPRPAGD NATVAAG HAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 91165 | CCELCCNP ACAGCY | Sus scrofa |

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|---|------|---|---|---|---|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 80002 | RKADLEKA LEGAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 94687 | SKPTTKQR QNKPPNK P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 64396 | TINKPKG YVGKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 79009 | KTWCD AWCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 75571 | YQWLTRV GKYRPQD KPNT | Chinchill a lanigera |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 74045 | YGLLAVDP LFKP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 76157 | YTPVEEKQ NGRMIVIV AKKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 62830 | TAEGRIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63808 | TGDPKPKK NKKPKNPT PPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63808 | TGDPKPKK NKKPKNPT PPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 66442 | TSSRRRYTE VYL | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63038 | TAVSPTTL RTEVVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 71212 | VSVTDHKK WQFNSPF VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 78946 | DAWCGSR GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 58783 | SKAFSNCY PYDVPDYA SL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 57864 | SFPMNEES PLGFSPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 56657 | RYSRNAV NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43578 | NEDQKIGI EIIKRALKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 56657 | RYSRNAV NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 56602 | RYNRNAV PNLRGDL QVLAQK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 49006 | PQGQGKV T | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 49772 | PTSGDKID MTPRAGV LMLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 60170 | SPNVSVPS SSSTPLLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 57864 | SFPMNEES PLGFSPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 56602 | RYNRNAV PNLRGDL QVLAQK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 45005 | NMMNYI MDPRTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 57864 | SFPMNEES PLGFSPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 44174 | NHVRPIG YWAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 36959 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 56657 | RYSRNAV NV | Mus musculu s |

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|---|------|---|---|---|-------|---|---|-------|---|-------|-----------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 48846 | PPNSGGV NTIQLYQT KTAQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 57864 | SFPMNEES PLGFSPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 55818 | RSDYKFYE DANGTRD HKKG | Chinchill a lanigera |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 59807 | SNDVSWH EWKRMYN KEYNG | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43578 | NEDQKIGI EIIKRALKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0 | 0.003 | t | 45221 | NNRAVPD KIDWRESG YVTE | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 58466 | SICSNNPT CWAISK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 58466 | SICSNNPT CWAISK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 58783 | SKAFSNCY PYDVPDYA SL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 37315 | LLGCIGSTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 37315 | LLGCIGSTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 54058 | RHKQKIVA PVKQTL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 58906 | SKNLAPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 58466 | SICSNNPT CWAISK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 58783 | SKAFSNCY PYDVDPDYA SL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 55818 | RSDYKFYE DANGTRD HKKG | Chinchilla lanigera |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 50931 | QGP GAPQ GPGAPQG PGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 45005 | NMMNYI MDPRTH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 45221 | NNRAVPD KIDWRESG YVTE | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 56862 | SALLED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 56862 | SALLED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 46841 | PAKLLKER GFFGAIA G FLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 56104 | RTLGEDPQ YHEEWV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 47131 | PDKILTYIA ADHC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43317 | NATAEGR AINRRVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 56862 | SALLED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 59922 | SNTFINNA | Mus musculus |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 59922 | SNTFINNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 56862 | SALLED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 47045 | PCSICSNN PTCWAICK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43383 | NCPYVSYG KFCIKPDG SIST | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 58049 | SGGKLVGI LTSRNET | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 41019 | MADPNRFRG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 59922 | SNTFINNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 37657 | LLPHSNLDHI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 45004 | NMMKYISPPIFL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 58783 | SKAFSNCY PYDVDPDYASL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 40453 | LVLNRLKV GLQVVAV KAPGF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 50929 | QGPGAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 59326 | SLTYMKM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 45013 | NMPASMK RVRIE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 47045 | PCSICSNN PTCWAICK | Mus musculus |

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|---|------|---|---|---|--------|---|---|-------|---|-------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 59326 | SLLTYMK M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 50932 | QGP GAPQ GPGAPQG PGAPQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 50930 | QGP GAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 50931 | QGP GAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 45006 | NMMRFTE LSTPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 45004 | NMMKYIS PPIFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 30262 | KDTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.003 | t | 18527 | GAASSYFE YVD TYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 18527 | GAASSYFE YVD TYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 33215 | KRRLRPSR VR IE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 27725 | INQDPDKI LT Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 19620 | GFSPEEME AVASKFR | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 27725 | INQDPDKI LTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 28331 | IRLRHENK DLKARLEN AMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 33450 | KSNAATSY INAIINSKS VSD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 28265 | IRAWVAW RAHCQNR D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 22756 | GTLVRMA PVIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 16123 | FHLPYNHN WFAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 35402 | LEDPVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 13972 | ERDPANIP WDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 30262 | KDTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 27725 | INQDPDKI LTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 35402 | LEDPVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 19637 | GFTTNEPR YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 22359 | GSGVRGD FGSLAPRV ARQL | Sus scrofa |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.003 | t | 22756 | GTLVRMA PVIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 35402 | LEDPVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 29985 | KAVSAAG VHFKAGG PI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 22456 | GSQAIENQ FYIKLTNGS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 31740 | KKYRYYLK PLCKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 25139 | HWSISKPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 19266 | GEFPRHVK LKNEIENLL DQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 33450 | KSNAATSY INAIINSKS VSD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 24375 | HNGRFSD ALRFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 30263 | KDTNNNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 22423 | GSNDDLW HQWKRM YNKEYN | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 632 | ADASLKM ADPNRFR GKDLP | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 1547 | AGHATLRE HLRDIKAE NTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 6093 | CDCDRTA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 2040 | AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 4530 | ASLKMAD PNRFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9597 | DPAPPNA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 5582 | AVTRGTIN DPQRAKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 563 | ACHPLFDA RCGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 953 | AEGRAINR RVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 1330 | AFKGGNG AKKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9597 | DPAPPNA NDPAPPN AN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7277 | CVKSQTTR IN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 6226 | CFGNSEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9757 | DPRVRGLY FPAGGSSS GTV | Pan troglody tes |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 7009 | CSICSNNP TCWAICK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 106981 | VRWTTSP NLLFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.028 | t | 132324 | GERGSE RG RD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.07 | -0.069 | -0.07 | t | 4444 | ASHAHKS HRKPKRS WNVYVG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.049 | 0.034 | 0.028 | t | 51806 | QPELAPED PED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.052 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.022 | t | 58863 | SKKHKDNE DAESVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | -0.003 | -0.001 | t | 142146 | EQKLISEED L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 133624 | KPGEMRG AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.033 | -0.039 | -0.04 | t | 9899 | DQRPYCW HYPPKPCG IVPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.023 | -0.022 | t | 27080 | ILGPRWNL NAHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.018 | 0.02 | t | 116917 | AESDDSST RRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 | t | 115935 | QYVLSRYP SY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.003 | 0.01 | t | 118236 | YYCARDSP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.048 | -0.053 | -0.05 | t | 115614 | HCLGKWL GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.019 | -0.022 | t | 45480 | NPSSLFDL VARIKNNL KNSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 138041 | SPLTVEWR ARSESAQS KM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.017 | -0.009 | t | 131317 | VEALYLVC GERG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.014 | -0.01 | t | 136420 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.014 | -0.01 | t | 136421 | KIHAREIFD SRGNPTVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.01 | t | 51861 | QPKLAAAV | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.017 | t | 125004 | DAPDTDW CDSIP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.003 | -0.02 | -0.022 | t | 12069 | EFSDCSKD YYQM | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.035 | -0.031 | -0.032 | t | 6171 | CEKAKRAV RGRQDRP KEFP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.017 | 0.022 | t | 700 | ADLAAVQ KTNAANQ AAYQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.017 | -0.02 | t | 158940 | KTQSQGP WDEGRVE ID | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.011 | t | 42477 | MRLQVSP ETLFWME CS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.011 | t | 42477 | MRLQVSP ETLFWME CS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 135957 | LSSRPGGC SAVS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.027 | -0.019 | t | 118036 | NIVTPRTP PP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 140612 | VPVCDWE LNC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.02 | t | 107487 | KKPTPSTL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.001 | 0 | t | 133594 | GPLYQMN DALLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.03 | -0.04 | -0.04 | t | 79841 | GKPALELIR MVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.03 | -0.04 | -0.04 | t | 79841 | GKPALELIR MVE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.023 | 0.019 | 0.023 | t | 99084 | AEDVGSN KGAIIGL | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.031 | 0.03 | t | 48894 | PPQGGVV TPGSGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 2566 | ALGLLQQA SKQAEAA APVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.027 | -0.028 | t | 21096 | GLRAQDD YNGWDIN TPAFEW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.003 | t | 38522 | LPHSNL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.013 | -0.008 | -0.007 | t | 157177 | EAPSKQDK PVEN | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.048 | 0.041 | 0.042 | t | 153382 | FAENKKD HFSPGGG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.014 | -0.023 | -0.02 | t | 51973 | QPSYTVPI PRHA | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.043 | t | 145841 | KEDFRYAIS STNEIGLLG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.017 | 0.022 | t | 63695 | TFKTTKKD HKPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.013 | 0.01 | t | 55780 | RRYPDAVY LHRIDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.003 | 0.002 | t | 41048 | MAHFPGF GQSLLYGY PVYVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.031 | -0.03 | t | 141924 | IKKQIPRCK DAFNKIES | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.017 | 0 | -0.003 | t | 110837 | ERSLSLLNC EEIKSQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 113913 | TCKQAGT CPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0.002 | t | 78117 | DIQKVAGT WYSLAMA A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.028 | 0.02 | 0.02 | t | 78573 | YTTEGGTK SEVEDVIP EG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.019 | 0.004 | -0.01 | -0.012 | t | 127630 | DSISVPYKR REG | Rattus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.071 | 0.061 | 0.062 | t | 81709 | ENDYSAN GGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.037 | 0.04 | 0.04 | t | 54599 | RLITGR LQS LQTYVTQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.008 | 0.01 | 0.011 | t | 41519 | MFNAGNK NSYIKLKK DSPV | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.037 | 0.016 | 0.01 | t | 75878 | YSREQLSK LFGIEPM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 122889 | RLDASFQE HPDLPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.011 | -0.01 | t | 62328 | SVSLPYAN LATH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | -0.003 | 0.001 | t | 54786 | RLTENTEP LL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.003 | 0.001 | t | 56195 | RTTPDRQ AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.017 | 0.03 | 0.032 | t | 26925 | IKVELTGN STLSSGYA TARA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.066 | 0.05 | 0.051 | t | 136061 | ETQAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.029 | -0.03 | t | 71844 | VVSWKNK EL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.011 | -0.001 | 0 | t | 36838 | LKENIKYEV AIFVHGPT TVE | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.031 | -0.021 | -0.02 | -0.02 | t | 27608 | INDISHTQ SVSSKQRV TGLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.027 | t | 6386 | CHGSEPCII HRGKPF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.009 | 0.01 | t | 26341 | IGVQNQELA YFYPELFR QFYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.007 | t | 39180 | LRRDLAS RDVKKHV GNALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.038 | 0.03 | 0.032 | t | 65541 | TPEEDQKA | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.065 | -0.071 | -0.07 | t | 35284 | LDRNAHG QLLVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.034 | 0.019 | 0.02 | t | 39092 | LRGDLQVL AQKVARTL | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.009 | t | 53014 | QYNTGNF SDGFYPFI N | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.026 | -0.031 | -0.039 | -0.041 | t | 20060 | GGTWRIG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 140459 | EHWSHD MFSPGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.015 | t | 79578 | IVCHTTATI PSSAVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | -0.006 | 0 | t | 107214 | MVGGVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.009 | -0.01 | t | 10783 | DVVSTLPQ AVMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.056 | -0.057 | t | 118200 | VGRATPPP GIMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.025 | 0.013 | 0.017 | 0.01 | t | 8688 | DIKVQFQS GGNNSPA VYLLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.015 | 0.003 | 0.003 | t | 137470 | YSVKPPLP YLPP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.019 | 0.01 | 0.009 | t | 45236 | NNSAFNN NLSSKNA MGLVLN | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.013 | -0.01 | t | 115261 | GDLEILLQ KWENGEC AQKKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.01 | t | 133041 | DHVKDYK ESNETKLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 125185 | NSSSSQFQ IHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 134804 | TIFILCCSK EKRRKKQA AT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.035 | -0.047 | -0.041 | t | 120163 | QWKAEFH RWS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.021 | 0.02 | t | 31166 | KHWPQIA QFAPSASA FF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.03 | 0.031 | t | 120155 | QPSPYNG WRMEI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.04 | -0.04 | t | 153498 | WSPSKLYS ARDHGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.019 | 0.02 | t | 98506 | TDLPPSDG LDADEWG | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.011 | 0.012 | t | 6067 | CCNLEPEA RKVISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.007 | -0.009 | t | 106092 | RSGYSSPG SPGTPGSR SR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.011 | t | 153362 | APWSLRD HLAVTGG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.03 | -0.032 | t | 144584 | ADSKGCKI GGGLPDS VKI | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.007 | -0.01 | t | 27685 | INLRTNNS ATIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.024 | 0.02 | 0.023 | t | 94886 | NAYCNEEC TK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.029 | 0.031 | 0.027 | 0.031 | t | 99483 | NALFVAHY NTNAHSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.014 | 0.013 | 0.012 | t | 307 | AALVSGTA TAGWTFG AG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.013 | 0.012 | t | 307 | AALVSGTA TAGWTFG AG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | 0.009 | 0.002 | t | 115702 | DEAELPSRI SPGKNA | Mus musculu s |
| 1 | 1.00 | 1 | 0 | -0.05 | -0.052 | -0.022 | -0.047 | -0.038 | t | 51222 | QKLPGYGR FWLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0.001 | t | 60116 | SPLLGCIGS TCAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.017 | -0.01 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.019 | -0.02 | t | 120699 | KMFPEVKE KGMAALP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.003 | 0.011 | t | 133775 | AETNRAPF DLAEAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | t | 32589 | KNPHNDM LNVNLAKT NDAIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.028 | 0.02 | 0.021 | t | 119657 | TWNDTYG SNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.036 | 0.033 | 0.04 | t | 144586 | AFSDYEGK GVALQSS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.023 | 0.032 | t | 131968 | LSELQVEQ TSLEP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.019 | -0.019 | t | 49872 | PVGGQSSF YSDWYSP ACGKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.07 | -0.067 | -0.07 | t | 70648 | VQSVASSR RHKRFAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.033 | 0.039 | t | 132727 | VTNEVHT WTEQYKF Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | 0 | t | 158724 | DTGCAIDI TRKEMRC G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.013 | t | 134699 | KDRHDFG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134770 | QIFNLFSTK DSSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134704 | KFFNSNKK KRDDFEKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134148 | LQSDQEEI DY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134654 | DQQNQFQ KAET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 138162 | EKKYSPCA WEVVRAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134831 | YVKEAENL KKYFN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134685 | GVSSYMK VSICLPMD VE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134699 | KDRHDFG F | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134714 | KTGKRKRS QMLFQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.003 | t | 131128 | VEMKKED FDIYDEDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 130908 | ITRTTLQSD QEEIDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 131656 | SGKLEEFV Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 126424 | KLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 126595 | LPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 126828 | PKYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 134037 | DYDDTIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 131128 | VEMKKED FDIYDEDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 125297 | VFFEEQED EIIGFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 131155 | YDEDENQ SPRSFQKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 109095 | GFYFNKPT GYGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 102344 | DAEFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 108998 | FVCGDRG FYFNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 108846 | DALQFVC GDRGFY | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 102510 | HHQKLVFF AEDVGSN K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 109177 | GPETLCGA ELVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 100777 | DIDFLIEEIE RLGQDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 110116 | YCAPLKPA KSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 94580 | LDNKYAGK GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 61317 | SSRGKVVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 48912 | PPSDIKGK YVKEVEVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43242 | NANPNAN PNANP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 43242 | NANPNAN PNANP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 53326 | RDALPNTE ASGPTHSK E | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.003 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 58783 | SKAFSNCY PYDVDPDYA SL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 12248 | EGQKSAVT EY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9753 | DPRVRGLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9106 | DLGSIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.003 | t | 7313 | CVTIMTVD NPASTTNK DK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 1190 | AETIHELLV RM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.018 | t | 128004 | GMIEVQS NYGFVWD VSLKKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0.002 | t | 132039 | QYFVGKRT VPPGECFI QFLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 107482 | KGEPGLPG RGFPGFP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.036 | 0.033 | 0.041 | t | 144748 | QAVNPNA GN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 20077 | GGVSAVPF MDYFPSW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 114865 | IVERETRG QSENPLW HALRR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | -0.007 | 0.002 | t | 120421 | AVVRFQE AANKQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.03 | -0.029 | -0.03 | t | 69287 | VKPASFFK NPHNDML NVNLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.013 | -0.008 | t | 34505 | KYLIDGYEE INELLYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.007 | 0 | t | 4544 | ASLREAPP A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.016 | 0.023 | t | 130551 | LTDSEMD VVRFDAA C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.009 | -0.009 | -0.009 | t | 65204 | TMGEAHN DKRADPA FVCR | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.01 | t | 113001 | GIRKFAAD AVKLERM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.001 | 0.002 | 0 | t | 67299 | TWVAGVF VYGGSKTS LYNLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 115645 | RNGKDQD GDQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.008 | 0.013 | 0.02 | t | 112842 | SSKRGRQT PVLAYML DHSRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.013 | -0.007 | -0.008 | t | 41053 | MAKGKRS TDAKGSQ RRQKKV | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.016 | -0.014 | -0.019 | t | 56807 | SAHGTSTG VRGP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 135993 | SGGLRLLL CLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 119143 | EPTITFGTA I | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 118060 | PPPGMRP P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.021 | t | 7745 | DDASVDF VAEPVKLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.021 | t | 7745 | DDASVDF VAEPVKLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.01 | t | 30826 | KFQDAYN A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.032 | 0.027 | 0.029 | t | 99235 | EYDEDEYE YDEEDRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.03 | 0.021 | 0.019 | t | 94978 | YBKDQQLL GIWGCSCG KL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.029 | -0.03 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.001 | 0.002 | t | 60818 | SRTLGCWS EFIPVDDG WGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.001 | 0.002 | t | 60818 | SRTLGCWS EFIPVDDG WGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.003 | t | 135847 | YPAIVETGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.003 | t | 135847 | YPAIVETGL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.021 | -0.029 | -0.03 | t | 64428 | TIPTKKSQI FSTYADNQ PGV | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.005 | -0.013 | -0.018 | t | 104354 | YGAFDPLL AVADICKK YKIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.04 | t | 6110 | CDIPIGAGI CASYHTVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.015 | 0.003 | 0.01 | t | 136162 | DAWKMRL SQMYD | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 77975 | QACQNNQ TCPRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 135576 | LRYSTGTV SG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.033 | t | 48927 | PPSSPTHD PPSDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.019 | -0.023 | -0.02 | t | 53989 | RGSRPSW GPTDPRRR SRNLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 53884 | RGIDSGER LMQPTQ MSAQED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 134105 | IRSVAKKH PKTWVHYI AAEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.017 | 0.01 | 0.011 | t | 41608 | MGPNLVL PDQKPPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.031 | 0.032 | t | 60915 | SSAVDSGT ATAPPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.032 | t | 59367 | SLNREDGL L | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.014 | 0.02 | t | 117327 | LQWSASFT TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.05 | 0.043 | 0.05 | t | 127898 | YEENLGDS IV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.061 | -0.063 | -0.06 | t | 78294 | VVSWKNK ELKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 18173 | FVGAGLA GAAIGSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 58073 | SGHMAW DMMNWS PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0.002 | 0.001 | 0 | t | 14331 | ETAGGVM TALIKRNTT IPTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 119520 | RRKLRTNA G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | -0.005 | -0.007 | 0 | t | 109750 | QGPKGEP G | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.014 | -0.01 | -0.008 | t | 20292 | GIHVIPTLN GDDRHKIV NVD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.063 | -0.07 | -0.071 | t | 130487 | FCQPHLSC YILP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.007 | t | 69125 | VITGTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 105168 | ENHA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 118393 | GVGRAAG R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.017 | 0.01 | t | 103840 | DAEKPAES GGSQPPR AAARK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.036 | 0.04 | 0.042 | t | 78702 | KKKEEGED DTARQEIR KAW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.033 | -0.027 | t | 107890 | HRLAFGQ NT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.033 | -0.03 | t | 49650 | PTHYISSR H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.017 | t | 123836 | VTEIPTDLP RN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.021 | -0.02 | t | 110622 | GRPGDAG PQGVKVP S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.02 | 0.01 | 0.01 | t | 91288 | FDATGHIL PDSSSLKT D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.002 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.034 | 0.019 | 0.02 | t | 100426 | QKLVFFAE DV | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0 | t | 131956 | LPKSAKPV SQMRMA TPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.023 | -0.023 | t | 115482 | SERYLGYLE QLRLKKY KVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.011 | 0.011 | t | 56614 | RYPHYSLIK PESSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.001 | 0.002 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.047 | -0.047 | -0.05 | t | 118827 | GSGPRHR DGVRPQ KRPSCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.005 | -0.007 | 0.001 | t | 124925 | YYVFFEEQ EDEIIGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.029 | t | 72248 | WANLMEK IQASVATN PI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.035 | -0.037 | -0.037 | t | 116001 | TQDQDPV VHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.01 | t | 37753 | LLRQARER P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.004 | 0.004 | 0.013 | t | 426 | AASDISLLD AQSAPLR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.019 | 0.03 | t | 118552 | PKVTKDGV TVAKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.021 | t | 135939 | IPVLDENG LFAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.001 | 0 | t | 2609 | ALHQALQ DPRVRGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.007 | -0.007 | t | 70817 | VRRRVNA ANKKPEDL TLNDL | Aotus lemurinu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.019 | 0.009 | 0.011 | t | 94886 | NAYCNEEC TK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.01 | 0.009 | t | 120525 | FDEQNCS MKLG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.009 | 0.012 | t | 30036 | KAYSNCYP YDVPDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.009 | 0.012 | t | 30036 | KAYSNCYP YDVPDY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | -0.01 | t | 76633 | YYV NKQE GKSLYVKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.014 | 0.009 | t | 134140 | LLIIFKNQA SRPYNIYP HGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.018 | t | 51924 | QPQQPFP QRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.051 | -0.052 | t | 142441 | LFSPWLRV QNHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.043 | -0.046 | t | 140648 | ALREYRKK MDIPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 140940 | YRQKVEPL RAEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.033 | 0.04 | t | 135944 | KEQFEFAL TAVAEVC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.07 | -0.063 | t | 141654 | GDVLVIPA GHPVAIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.018 | t | 131274 | VVRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.005 | 0 | 0.002 | t | 78624 | DMNEKQK PYFEFEYD DFKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0.002 | t | 78624 | DMNEKQK PYFEFEYD DFKP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.035 | 0.021 | 0.02 | t | 42669 | MSSGNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.073 | -0.081 | -0.081 | t | 106507 | HFHHTIW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.025 | 0.031 | 0.032 | t | 72314 | WDINTPA FEWYYQS GLSIVM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 135917 | EIRRGVML AVDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.01 | t | 74367 | YISDAFSLD VSEKSGNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | -0.003 | 0.001 | t | 70620 | VQNTVED LKLNTLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.002 | t | 106070 | RGQGDGG RRKKGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.013 | -0.003 | -0.01 | t | 98387 | QPPCPNLV SYSSYHAT YS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.037 | 0.024 | 0.03 | t | 76161 | YTQKLSVP DG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.013 | 0.02 | 0.024 | t | 133551 | EAPPPTLP PDMAQVT VGPG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.041 | -0.049 | -0.05 | t | 98217 | LKPKKGIK VN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.057 | -0.063 | -0.06 | t | 9673 | DPLLRTAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.02 | 0.01 | 0.01 | t | 132830 | GGIITQTP KFLIGQEG QKLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.011 | t | 132689 | TCSADGGT LFYNLCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.008 | 0.001 | 0 | t | 110967 | PRKLPQLC TELQTTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.012 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.018 | t | 51924 | QPQQPFP QRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.017 | t | 130605 | SCRLFCKT YLCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.03 | t | 36950 | LKLSIPVAE RAKPRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.008 | t | 133684 | RRIASQVK YAGSQVA STSE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.011 | -0.008 | t | 78294 | VVSWKNK ELKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.027 | -0.037 | -0.03 | t | 102313 | APYWTLYS W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.02 | -0.03 | -0.032 | t | 93172 | KTSLWKE MQYNRDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 78512 | SCDSSQKK QGRCS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.036 | 0.021 | 0.018 | t | 70048 | VNAKNLNEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.01 | t | 21460 | GNKTLAGSRGPVTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.012 | t | 18509 | GAAILVAGLSGCSSNKSTTG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0 | 0.001 | t | 120677 | KHPEVKSAIEGIKYI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.001 | -0.01 | -0.011 | t | 26314 | IGRFCAQMHSNNGPQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.022 | t | 117949 | KGHFLLSSKSGFWT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.027 | 0.019 | 0.02 | t | 26314 | IGRFCAQMHSNNGPQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0.002 | t | 103172 | FHDHKTANQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.009 | 0.012 | t | 149485 | SWYLTENIQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.007 | -0.008 | t | 15918 | FFTEVDGVR LHRYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.028 | -0.03 | t | 37304 | LLFVGVGFLFLLPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.03 | 0.031 | t | 66736 | TTNIMEILRGDFSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.036 | 0.03 | 0.031 | t | 66736 | TTNIMEILRGDFSS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 135845 | WTEIHDW EAAME | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 145803 | GPVGPSD PSIVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.028 | -0.03 | -0.031 | t | 35034 | LCAACSKQ VFCNRRPE RNGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.031 | 0.021 | 0.022 | t | 141563 | SPKLQGEE ATLAPT | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.035 | -0.043 | -0.04 | t | 49786 | PTTKQRQ NKPPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.005 | -0.015 | -0.01 | -0.01 | t | 66312 | TSLNLQKD EPNGRAS DTAGQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.021 | 0.023 | 0.029 | t | 114011 | VTTVTTHN NPTFTDPS VLQP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.021 | 0.023 | 0.029 | t | 114011 | VTTVTTHN NPTFTDPS VLQP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 56259 | RVEAQLH VWIPPLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 139398 | YGCDVGP DGRLLRGH DQYAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 118611 | SQALQELIS ELDRRCHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.003 | 0.001 | t | 3290 | ANGAGNQ PGANGAG NQPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.01 | t | 116682 | CHGRGTC NYANAYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 130473 | ECIVYGKT ALCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.023 | 0.02 | t | 50820 | QFVEFYEK VTGTDLELI QIL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.001 | -0.003 | 0.001 | t | 99174 | EDEYED EDRRRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.004 | t | 29127 | ITVATSRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.061 | -0.067 | -0.059 | t | 125356 | ADQLTPA WR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.01 | t | 41665 | MHLPATIG DY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.003 | t | 100070 | GLMVGGV VIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.003 | t | 100070 | GLMVGGV VIA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 110946 | MSTRSVSS SSYRRMFG GPGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 110820 | DVRQQYE SVAAKNL QEAEW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0 | t | 102943 | YGCYCGLG G | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.02 | -0.019 | t | 133926 | RSSYWVYS PWRFISR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.033 | -0.03 | -0.028 | t | 68048 | VDQHNAT EICRLIKLC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.012 | -0.016 | -0.02 | t | 110817 | DSTLRLCV QSTHVDIR TLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.059 | t | 95301 | DALNENK VLVLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.047 | -0.047 | -0.048 | t | 114866 | KAQHGRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.03 | -0.033 | -0.027 | t | 130610 | SMCMHG GAYCFP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 133611 | IVSYLCDLA PEAPPPTL PP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 123323 | ILNKPLITV SNSKIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 123296 | HSEYYNHA IDWQTGP GCNTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 133551 | EAPPPTLP PDMAQVT VGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 123760 | SSYAKVSIC LPMDTETP LAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.03 | t | 70621 | VQPDGGQ PAVRNER A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.018 | 0.02 | 0.024 | t | 98556 | TVNNLK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.003 | 0.003 | t | 110821 | DVRQQYE SVAAKNL QEAEW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.003 | 0.003 | t | 110820 | DVRQQYE SVAAKNL QEAEW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.021 | -0.02 | t | 68632 | VGATPERP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.02 | -0.02 | t | 120391 | AARYKYFP EVKTKGM A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.033 | 0.03 | 0.03 | t | 39082 | LRFDQNG VLMENSSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.003 | t | 36959 | LKMADPN RFRGKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.02 | t | 16053 | FGSDYEDR YYREN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.036 | -0.043 | -0.042 | t | 105977 | NHEQEFLR YQQQSRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.033 | -0.039 | -0.04 | t | 9899 | DQRPYCW HYPPKPCG IVPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.02 | t | 112835 | RTTHYGSL PQKSQHG RTQDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.03 | 0.011 | 0.009 | t | 68816 | VGVVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 54393 | RKLWCHH FC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 38208 | LNENLLRF FVAPFPQV FGKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 60170 | SPNVSVPS SSSTPLLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 55187 | RPKHPIKH QGLPQEV L NENL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 140381 | TKTVNENK QNVDKVK KA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.033 | 0.03 | 0.03 | t | 136071 | LLYGEVGD TLLIIFK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.064 | -0.07 | -0.07 | t | 78431 | KKRW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 104213 | QQFNQQA PLNLENTN NGTL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.018 | t | 121020 | TYDGTKVS ISPESDR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.007 | 0 | t | 113804 | RDTGILDSI GRFFSGDR GAP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 25626 | IDLTKNA AKLRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.012 | 0.01 | 0.01 | t | 79894 | KVLVEGNT DERGTPEY NIAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.006 | -0.011 | -0.01 | t | 25749 | IEDFWQTT QGMHEI | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.073 | -0.08 | -0.078 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 115306 | KEGIHAQ QKEPMIG VNQELA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.027 | 0.031 | t | 55641 | RRLGRQTY DNES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.021 | -0.021 | -0.018 | t | 23240 | GWAGYW RGSNHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.005 | -0.01 | -0.01 | t | 60710 | SRKAYDH NSPIYWPR NDYDG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.002 | 0 | t | 56443 | RVVIQDYD NQHEQDR PTPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.025 | -0.043 | -0.042 | t | 33733 | KTKIPAVFK IDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.041 | 0.033 | 0.034 | t | 138202 | LPTITNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.02 | -0.033 | -0.032 | t | 45561 | NQGQFEH FREC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.014 | -0.029 | -0.03 | t | 23004 | GVIITW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.009 | -0.007 | -0.01 | t | 59377 | SLNWSDR TI | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.013 | 0.013 | t | 56614 | RYPHYSLIK PESSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.022 | -0.02 | t | 96212 | EEAEDKED DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.014 | 0.003 | 0.002 | t | 95499 | KIVAPVKQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.02 | t | 113189 | TDKKSYP LEDPGVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117514 | GRGRGRG RGRGGPR R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.002 | 0 | 0.003 | t | 8271 | DFGPLFSD PGFRSAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.03 | -0.037 | -0.04 | t | 72052 | VYILIAVCL GGLIGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.036 | -0.039 | -0.04 | t | 17572 | FRDLTWCI NPPERIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0 | -0.01 | -0.01 | t | 25395 | IAQPKLAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.02 | 0.011 | 0.009 | t | 56366 | RVNAANK KPEDLTN DLETD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.018 | 0.001 | 0 | t | 12988 | ELDKWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0 | 0 | 0.003 | t | 45221 | NNRAVPD KIDWRESG YVTE | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.013 | 0.012 | t | 113912 | TCFFRDHS YQEE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 133536 | CKPVENRA C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.01 | t | 43191 | NAKATYEA ALKQYEAD LAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.024 | t | 143675 | DRVDLGTL RGYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 140603 | STEHSEAD LW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0.002 | t | 59851 | SNIVFSDEI PA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.006 | -0.01 | -0.009 | t | 78459 | LTRAIARA AYV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0 | t | 44189 | NIASHISSI SARTGDPV TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0.001 | 0 | t | 46048 | NSYVNDV MERICME AASIVR | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.03 | t | 106300 | CALEGWG GHW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.006 | 0.003 | t | 115677 | AHRET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.032 | 0.04 | 0.04 | 0.042 | t | 156865 | EQATCDH TNEWCAK MM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.032 | 0.035 | 0.04 | 0.042 | t | 55187 | RPKHPIKH QGLPQEV L NENL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.04 | -0.041 | -0.04 | t | 138232 | RLTSSLRY NP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.005 | -0.01 | -0.008 | t | 18951 | GDDMDPE LRGLAQA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.005 | -0.01 | -0.008 | t | 18951 | GDDMDPE LRGLAQA | Myodes glareolu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.034 | 0.033 | 0.03 | t | 48768 | PPEHRGG PEEFEGAG DGEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | -0.001 | 0 | t | 31131 | KHLTSFKR ELGTLID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.011 | t | 140077 | VQIINKKL DLSNVQSK C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.027 | -0.028 | t | 33112 | KRAVQKW AP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.011 | t | 158944 | KVQVQGP WDEEDIKL D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.011 | -0.011 | -0.02 | -0.022 | t | 54975 | RNCKKLGP RENV A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.01 | -0.008 | t | 132879 | PAFKNPSQ DMVRFHI | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.034 | 0.031 | 0.031 | t | 30386 | KEFSEVEG RIQDLEKY V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 5853 | AYKSAEGA TPEAKYDD YVAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.022 | t | 5853 | AYKSAEGA TPEAKYDD YVAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.039 | -0.032 | t | 123509 | MPMMGP PPPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.023 | 0.023 | 0.023 | t | 48817 | PPLENRVL TG | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.011 | -0.011 | t | 32031 | KLMSKYSN TFEVNAYN MSIR | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.027 | 0.03 | t | 5283 | AVAVSPPA AAGDLVG PGCAE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.017 | -0.021 | -0.021 | t | 19971 | GGPRRSRP RLSSSKDS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.002 | t | 6883 | CQIYPPNA NKIREALA Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.029 | 0.017 | 0.018 | t | 53810 | RFYLAGN QEQEFLKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.009 | 0.012 | t | 149482 | SVFDENRS W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.008 | t | 108078 | PTSPSGVE EWIVTQV VPGVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.017 | 0.003 | -0.003 | t | 110834 | EQLKGQG KSRLGDLY EEEMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 122892 | RSILPYGDS MDRIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 66108 | TRTNPWP ALAEGEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 57618 | SERVQLLH SQNTSLIN QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 44559 | NKNLQEEI SDLTEQLG SS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 48933 | PPTAPPLL PHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 30302 | KEALISLT RGKLTYTQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 6763 | CPFLKQNE PEDIDCW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.009 | -0.013 | -0.009 | t | 99528 | PGERTRGR QPGDYDD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.002 | t | 106227 | AEIVYKSP VVSGDTSP RHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.01 | -0.021 | -0.022 | t | 8593 | DIAYNLM NPFLGKLF NDYNH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.008 | t | 97573 | QERLAKLA GGVAVLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.009 | -0.008 | t | 97573 | QERLAKLA GGVAVLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 153498 | WSPSKLYS ARDHGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.006 | -0.01 | -0.01 | t | 70934 | VSFQPDYP ITARIH | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.023 | 0.023 | 0.032 | t | 40332 | LVFFAEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.02 | t | 45309 | NPCVVPNI NNAECQF LKSVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.011 | 0.008 | t | 60186 | SPPLVHDS DLEHVLTP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.007 | -0.008 | t | 98728 | DFWATW CGPCKMV APVLEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.032 | 0.02 | 0.023 | t | 115268 | GLQYTPS WLVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.013 | -0.01 | t | 3381 | ANPNPYTS RRSV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.026 | 0.026 | t | 131651 | SEGTGQAL ASPGSCLE | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.048 | 0.043 | 0.042 | t | 25653 | IDQKVKEIS NQEPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.002 | t | 105228 | GLMVGGV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 139525 | ISSQTNDT HKRDTYA ATPRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 114125 | HYGSLPQK SQRSQDE NPV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 101437 | YRSPFSRV VHLYRNG K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 35375 | LEDARRLK AIYEKKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 28676 | ISQAVHAA HAEINEAG R | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 6386 | CHGSEPCI HRGKPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.021 | 0.022 | t | 26329 | IGTRNPNN NAATVLQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.013 | -0.008 | t | 51930 | QPQQPQQ SFPQQQR PF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.045 | 0.04 | 0.04 | t | 146338 | IPEEIKQLQ QFQKEDA A | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0.002 | 0 | t | 29116 | ITTIEDPVL AKKVPETF PEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.051 | -0.059 | -0.061 | t | 41132 | MASSRSA PRKASHA HKSHRK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.047 | -0.048 | t | 135571 | LFRGRRAS Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.009 | -0.008 | t | 35304 | LDTEVAAS CGGVVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.032 | t | 22280 | GSAMSRPI IHFGSDYE DRYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.007 | -0.001 | t | 122538 | QELECDW EEVTTSGP CGEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.01 | t | 44294 | NINDTDT WIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.056 | 0.043 | 0.053 | t | 134758 | PESPSKLAS A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.007 | 0.013 | t | 65788 | TPTPTPTP SPTP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.001 | t | 119852 | EVNQIVTT NVRLKQQ W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.024 | 0.01 | 0.01 | t | 142325 | VIIKRGKV EVEGLID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.017 | 0.02 | t | 53681 | RFAKYQQ QGRLEAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.031 | 0.051 | 0.061 | t | 23671 | HEEDNNT G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.012 | 0 | -0.001 | t | 120705 | KNQFDHY SRHESCAE L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 104342 | VSAAQYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.022 | 0.013 | 0.009 | t | 36595 | LILDSSSLH GWR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 153472 | TGLRNGIT NKVNSVIE KAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 115195 | CQAQPTT MARHPHP HLSFMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.007 | -0.01 | -0.01 | t | 66304 | TSLNDRQ GNATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 78556 | VPKLIAGSS SLAPLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.034 | -0.043 | -0.04 | t | 9235 | DLPLPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.035 | t | 124588 | PQEETLQA FDSHYDYT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 122033 | WKKKLGA SP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.077 | t | 132835 | HFRWG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0 | t | 3693 | APPPPEHR GGPEEFEG AGDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.042 | 0.03 | 0.033 | t | 68099 | VDYLKEKE KDQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.02 | -0.019 | t | 95050 | YCEIIVTHF PFDQQNC T | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.057 | -0.05 | t | 107566 | PQVKFNW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 52000 | QQACKGKI QALCENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.017 | -0.018 | t | 10555 | DVDKPPF DGMTACG NEPIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140831 | AVLGHDE AAYSKNRR AVLAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.03 | -0.032 | t | 114120 | GILDSIGRF FGGDRG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 119674 | WNPDDYG GVKKIHIPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.01 | t | 38373 | LNWGRIS NVLPEYRC EAGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 116085 | EPANPSEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | -0.001 | t | 110980 | QPLGVGIS GHPLLNLK DDTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | -0.001 | t | 110980 | QPLGVGIS GHPLLNLK DDTE | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.016 | 0 | 0 | t | 49631 | PTGIEPDD HL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.017 | -0.02 | -0.02 | t | 139753 | FTYDQIQR RYEAAPSY LS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.017 | -0.019 | t | 17262 | FPCDRLSG YWERGIPS PCVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.046 | -0.04 | t | 118532 | NATRAAV EEGIVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0.007 | t | 138238 | SMLDTPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | -0.01 | -0.01 | -0.007 | t | 4701 | ASQKIQLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 79362 | RCRKVLIC RRICP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 10799 | DWDFNPN KDTWPDAN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 50660 | QENSTYAV RNSN | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 50660 | QENSTYAV RNSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.009 | t | 103839 | DAEFRHDS GYEVH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.024 | -0.023 | -0.02 | t | 97210 | AQGALERE LKRTDLNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.016 | -0.021 | -0.022 | t | 58298 | SGVRGDF GSLAPRVA RQLP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.021 | -0.022 | t | 58298 | SGVRGDF GSLAPRVA RQLP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.012 | t | 108898 | EIDGPAGQ AEPDRAH YN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.019 | -0.02 | t | 27980 | IPPPRRKR TVVLTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.04 | -0.04 | t | 125793 | CSFWSKYI SSLKTSAD GAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.029 | -0.037 | -0.03 | t | 128073 | PKKSAKKT PKKAKKP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.012 | t | 98932 | PGDYDDD RRQPRREE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.031 | 0.037 | t | 76485 | YYALDVYA YDVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.009 | 0.009 | t | 41175 | MAYGSDD NDDKNKS LDHKHN | Aotus nancymae |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.022 | -0.02 | -0.02 | t | 127242 | TRVPMDA FQVGKFPE DFESC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | -0.002 | t | 45561 | NQQQFEH FREC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.04 | -0.04 | t | 115032 | ALGQGPQ FIFQYEEER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.033 | -0.028 | t | 75411 | YPSGAWY YVPLGTQY T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.002 | t | 113797 | QYGSMGV FFGGLGIG TGSGT | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.007 | -0.01 | -0.009 | t | 7239 | CTTSGLAS LFNSGARQ H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.031 | -0.04 | -0.04 | t | 121268 | ESAQRPF G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.035 | 0.04 | 0.045 | t | 49006 | PQGQGV T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.035 | 0.04 | 0.045 | t | 49006 | PQGQGV T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.009 | t | 119493 | LSRKTLTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.007 | t | 60526 | SQPNTES QSPAILPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.01 | t | 133950 | WIFANF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.005 | -0.02 | -0.023 | t | 29218 | IVCIDRAS LST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.019 | t | 17295 | FPGGGQV GGVYLL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.019 | t | 17295 | FPGGGQIV GGVYLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | -0.002 | t | 41826 | MKHM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.004 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.004 | t | 113628 | LRLIHYSYD VN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.004 | t | 66841 | TTTCFRDT DTGK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.004 | t | 21408 | GNDYEDR YYRENMY RYPNQ | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.061 | -0.073 | -0.072 | t | 21776 | GPRWNLN AHSAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0.002 | t | 31015 | KGMSYSM CTGKFK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.012 | -0.02 | -0.02 | t | 110948 | MVTSDAQ IFNKPYWL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.045 | 0.041 | 0.042 | t | 60259 | SPSLNLAS VPKTSTPP GEKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.017 | -0.018 | t | 49637 | PTGQIHW GNLSKIGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 140614 | WCEADYG RCP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 79328 | PCSRAETN PTMQCP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | -0.002 | -0.003 | t | 98955 | QFEDFFPA SSRDQSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 57631 | SESTEDQA MEDIKQM EAESI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.008 | t | 72909 | WNSQPSL PYIRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | -0.007 | 0.001 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | -0.007 | 0.001 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.009 | -0.007 | 0.001 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | -0.003 | 0 | t | 69172 | VIYTYPNK VF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.011 | -0.009 | t | 138242 | SQPEILERT RAEVDTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0.001 | 0 | t | 51083 | QIINTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.022 | t | 58251 | SGTEEILEK VSASQEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.04 | -0.039 | t | 122875 | PRGWNPG FLYNGFPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.009 | 0.003 | 0.01 | t | 113095 | MSSSPVKR QRMESAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.028 | 0.043 | 0.05 | t | 53022 | QYPTLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.033 | 0.02 | 0.021 | t | 106002 | PPTNVGS NTY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.03 | 0.02 | 0.02 | t | 140837 | DEPPQSP WDRVKDL A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.062 | -0.063 | -0.061 | t | 99031 | TSRNNPFY FPSRRFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.007 | -0.001 | t | 118609 | SNVYADSF VVKGDDV RQIAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.055 | 0.05 | 0.051 | t | 115612 | GSLPQKA QRPQDEN G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.044 | -0.062 | -0.063 | t | 98966 | QPRKIRPE GR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.032 | t | 60563 | SQTAKNN YVSQVYLH GDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.03 | 0.031 | t | 120155 | QPSPYNG WRMEI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.031 | t | 120155 | QPSPYNG WRMEI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.014 | -0.02 | -0.02 | t | 55631 | RRKRELSH TRKKR | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.014 | 0.01 | 0.011 | t | 6559 | CLFKDWEE LGEEIRLKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.032 | -0.033 | -0.028 | t | 11982 | EFEPPHAT KQSVIALG SQEG | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.042 | t | 140462 | FNTKHDM QGDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134088 | IHGIKTQG ARQKFSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134220 | RQGAEP KNFVKPNE TKTY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134220 | RQGAEP KNFVKPNE TKTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134200 | PVVNSLDP PLLTRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134200 | PVVNSLDP PLLTRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134020 | CPEEPQLR MKNNEEA EDYDD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134020 | CPEEPQLR MKNNEEA EDYDD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134006 | ALRMEVL GCEAQDLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134015 | CDKNTGD YYEDSYED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 134029 | DEDENQS PRSFQKKT R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.002 | t | 105319 | LVFFAEDV GSNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 105021 | VHHQKL VFFAEDVGS NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.002 | t | 105021 | VHHQKL VFFAEDVGS NK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 3274 | ANETIYNT TLKYGDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.1 | 0.112 | 0.096 | 0.098 | t | 96444 | KDEDEEDE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.013 | -0.01 | t | 49912 | PVLVYSNI GVCKSGSI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.032 | -0.03 | -0.03 | t | 78153 | FDPQIQAI VSSPCHNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.001 | 0 | t | 72476 | WGILSRAA TNSGWVG LIPHK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 47123 | PDKEVLYE AFDEMEE CASRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 15356 | FCVQPEKG GRKPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 15356 | FCVQPEKG GRKPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.037 | -0.04 | t | 29375 | IVNRRTSFF NLGPSQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.023 | -0.018 | t | 47229 | PDYASLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.023 | -0.018 | t | 47229 | PDYASLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.023 | -0.018 | t | 47229 | PDYASLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.071 | -0.056 | -0.06 | -0.062 | t | 64563 | TKFPSVYA WERKKISN CVAD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.02 | -0.02 | -0.019 | t | 153818 | DSTLRLCV QSTHVDIR | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.013 | -0.007 | t | 130606 | SCTVYGKT PLCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.005 | -0.003 | 0.002 | t | 95694 | PVKPTAPT KPTYETEK PLKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.029 | -0.022 | t | 131066 | SGSRQVCK LARSLQPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.006 | -0.02 | -0.021 | t | 43942 | NFVHDCV NITIKQHT VT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.003 | 0.012 | 0.011 | 0.01 | t | 1827 | AHWGVLA GIAYFSMV GNWAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.013 | 0.02 | t | 16340 | FIYLDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.012 | -0.027 | -0.033 | t | 57733 | SFCIMPPSI SEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.007 | 0.012 | t | 130613 | SSYCLRSV CLSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.007 | 0.008 | t | 67089 | TVNGTTRT VNPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.073 | 0.077 | 0.07 | 0.069 | t | 132830 | GGIITQTP KFLIGQEG QKLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.029 | -0.027 | t | 96457 | KGTVNLT WSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.039 | -0.038 | t | 57351 | SEAFMSTN KMYFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.023 | 0.029 | t | 126111 | GHCQGDG YRVGFGQ C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.027 | -0.03 | -0.03 | t | 123118 | EEVRKLKA RVEELEKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.026 | -0.029 | -0.031 | t | 35995 | LFTGHLKC RLRMDKL QLKGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.043 | -0.04 | t | 58378 | SHLLKPQT RTRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.03 | t | 108168 | TRSGIQA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.07 | -0.068 | t | 133605 | HWWHKK P | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.004 | -0.017 | -0.021 | t | 25541 | IDAVNKRG RKQNKRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.009 | 0 | 0 | t | 60544 | SQRTDIIYI SR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0 | t | 60544 | SQRTDIIYI SR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | -0.001 | t | 115774 | GSGKDSHT RTTHYGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.041 | -0.041 | -0.041 | t | 31046 | KGQKPPLL DRLRHRK NGYRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.027 | 0.01 | 0.01 | t | 21867 | GQGGGTH NQWNKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.03 | -0.04 | -0.039 | t | 95044 | SSRGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 111845 | TPTLHEYM LDLQPETT DLYC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 140905 | TPAAKVLV EGNTDER GTPEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.009 | -0.01 | -0.01 | t | 123780 | TMKMWS DFL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.012 | t | 141757 | SVVPSKAT WGFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.01 | -0.009 | t | 69411 | VLDGDKLL PKVAPQAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.027 | -0.022 | t | 107309 | DAGPYVSP TFFAH | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 112062 | CARMRDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.014 | -0.027 | -0.03 | t | 11354 | EDINGIRR PKHLYV | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.001 | 0 | t | 78680 | HPPSSRPC ANTPPSE MDTWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.058 | 0.069 | 0.05 | 0.05 | t | 13894 | EQNVPD | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.01 | t | 13391 | EMLAER PRGVFNR QLVLGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.015 | 0.013 | 0.013 | t | 116001 | TQDQDPV VHF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.031 | -0.028 | t | 136567 | PYWKWQ YKYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.067 | 0.051 | 0.053 | 0.06 | t | 108873 | DLYCYEQL NDSSEED EIDG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105069 | AEFDLDIL AGTEAA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.045 | -0.056 | -0.06 | t | 142429 | KAYAVEAH LAKTKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.094 | -0.088 | -0.089 | -0.088 | t | 96409 | INDMPITN DQKKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.04 | -0.04 | t | 71301 | VTFHYQN KYKVPAN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.007 | -0.011 | t | 109938 | SPRSGDLS VY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.005 | -0.007 | 0 | t | 138146 | ASHLDYGS ALLSKV | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 107662 | VLTVLHQN WL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.04 | -0.038 | t | 107662 | VLTVLHQN WL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.025 | -0.03 | -0.03 | t | 132893 | SDELRLQRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.038 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | 0 | 0.002 | t | 5076 | ATPERPRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.013 | t | 58418 | SHSSESHR VKSAGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.011 | t | 129732 | RERRGIAL DGKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.003 | -0.02 | -0.019 | t | 145776 | FDTGAFDP DWPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.02 | 0.009 | 0.01 | t | 39213 | LRSPNGFL LTDQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.009 | 0.008 | t | 60032 | SPEKPHFP LA | Sus crofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.007 | 0.001 | t | 122269 | ARQNLKD AGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.013 | -0.009 | -0.008 | t | 61840 | STPSTPAD SSAHSTPS TPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.001 | -0.013 | -0.01 | t | 1464 | AGDDDL GDLNGDD RR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.023 | -0.03 | t | 53881 | RGGSRERA RGRGRGR GEKRP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.003 | t | 32580 | KNPEKPHF PL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.013 | -0.012 | t | 70663 | VQVVGDE GRSVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 140546 | CNLWEVM HGTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 135546 | DWEYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 136420 | KIHAREIFD SRGNPTVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 136590 | RDYFEEYG KIDTIEIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 136087 | VETDKATV GF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 140582 | PWATLVA ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 149867 | PESFDGDP ASNTAPLQ PE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 136087 | VETDKATV GF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 137399 | FCGLPRLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 135546 | DWEYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 149867 | PESFDGDP ASNTAPLQ PE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 138219 | PTPETGPL QR | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 134804 | TIFILCCSK EKRRKKQA AT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 140606 | TMWDALE AP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 138304 | ATVQLPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 138608 | RVGAHDP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 140547 | CSIGEALS HGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 138232 | RLTSSLRY NP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 136303 | GARGLTG RPGDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119563 | EDHRQVV EVTVGLQL I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 120930 | RYRPGTVA LREIRRYQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125377 | DKDAFGG VYSGPSLL DVSQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 124604 | QIERDTER DRFLSAPE AV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123511 | MPPMTQ AP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125413 | FRVTCKDI QRIPSLPPS TQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 127963 | EPKPKKAP AKKGEKV | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119411 | YKYFPEVK TKGMA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 119411 | YKYFPEVK TKGMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125377 | DKDAFGG VYSGPSLL DVSQT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123513 | MPPQQL MP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123626 | PPYMPPP G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 122780 | GQELKNP QEETLQAF DSHYD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 127960 | EKVPKGKK GKADAGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131010 | PSTRWTEL DDVKRLLK GSRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 118346 | FEYFPSHFF VPELEVTTII C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122749 | EIIGFGQEL KNPQEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128297 | APKSPA KAVKPKAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 122377 | GLPRLETP ADLSTAIA SRS | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 124925 | YYVFFEEQ EDEIIGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117495 | ERDRKREK RKPKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122377 | GLPRLETP ADLSTAIA SRS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123331 | IPPPGLAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123329 | IPPGAMPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128032 | KDEPQRRS ARLSAKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117514 | GRGRGRG RGRGGPR R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 121785 | REWVKFA KPCRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122790 | HQEEDFR VTCKDIQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119852 | EVNQIVTT NVRLKQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 129931 | SKPRAKSG ARKSPKKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123522 | MTQAPRI M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123314 | IGTFKAFD | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117765 | CAQTDRH SLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123643 | PYMPPPG M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117614 | QGFPPFYDK PMRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122892 | RSILPYGDS MDRIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125540 | QSLRQRKS VNALNSPL HQEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 122943 | WDPAQPP RD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128340 | ATPKKSAK KTPKKAKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.007 | 0 | t | 118058 | PPPGIRGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.007 | 0 | t | 118060 | PPPGMRP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119624 | PDTPYLDIT YHFVMQR L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 122885 | QVAALTW VQTHIRGF GGDPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131457 | GSHTRGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128038 | KSPKKAKA AKPKKAP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123602 | PMTQAPRI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 122885 | QVAALTW VQTHIRGF GGDPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122947 | WTQEPQP LEEKWQH RVVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.007 | 0 | t | 118060 | PPPGMRP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 124588 | PQEETLQA FDSHYDYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128039 | KTPKKAKK PKTPKKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 124588 | PQEETLQA FDSHYDYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128024 | IKKVATPK KASPKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119578 | FAIVKFTKV LLQYTGH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122956 | YYVFEEQ EDEIIGFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131545 | LMKINS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 130492 | FKEQFLDG DGWTSR | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123259 | GQPPYMP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 132201 | CLAMGW GRVGAHD PP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122878 | PYEF SRKV PTFATPW PDFVP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128225 | AGAAKRK ASGPPVSE L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123386 | KPKSQETP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119579 | FKDYSSVV RPVEDHR Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 120066 | LKQQWVD YNLKWNP DD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128078 | PPKPEPKP KKAPAKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 119410 | YKMFPEVK EKGMA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 118556 | PPPGMIPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119410 | YKMFPEVK EKGMA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125524 | PSTQTLKLI ETHLRTIPS HA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 131141 | VRR LAME NNIKLSEV VGSG | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131412 | ERGLRYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131413 | ERILTIS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117509 | GQIPPGAM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125551 | RNLTYIDP DALKEPLL KFL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 119466 | IRGERA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 127935 | ARLSAKPA PPKPEPK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128193 | AAKPKTAK PKAAKPKK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 121765 | QRRSARLS AKPAPPK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119925 | HFPFDEQ NGSMKLG TWT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 129159 | KSPKKAKA AKPKKAPK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 118970 | PPPGRRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 118970 | PPPGRRP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117773 | CNSRQTD REDELI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 133372 | SPSPTPTP GPSRRG | Mus musculus |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123207 | GAMPPQ QL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123025 | AMPPQQL M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125462 | KLPLSLSFL HLTRADLS YPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119560 | DLVLYNNA DGDFAIVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119633 | QYTGHIT WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125396 | EITDNPYM TSIPVNAF QGLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123616 | PPMTQAP R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125386 | DVSQTSVT ALPSKGLE HLKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 120699 | KMFPEVKE KGMAALP RL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117437 | AIALREYRK KMDIPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 129829 | RSGVSLAA LKKALAAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 127926 | AKKGEKVP KGKKGKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 124068 | ELMALHT GQSLEQIE R | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 118105 | RKGHFLLS SKSGFWTI WL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119608 | LGTWTYD GSVVAINP ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125506 | NGFTSVQ GYAFNGT KLDVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123048 | ATKKAVQ G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 118217 | VTKYITKG WKEVH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117742 | AKAQTD EDLRTLRY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123512 | MPPPGMI P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117569 | LKYLLAPKI EDEEGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 120641 | IQTAVRLLL PGELAKHA VSE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125605 | YKEKSKFQ DTHNNAH YYVFF | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123787 | TPATKKAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123676 | QPPYMPP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128539 | EKTPVKKK ARKSAGA A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117907 | HKAFKGSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119596 | IHIPSEKIW RPDLVLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131087 | SSPPCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 131874 | EVFISAPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128259 | AKKAGAA KAKKPAG AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 130291 | VSELITKAV AASKERS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131769 | YDSYAIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125498 | MGCSSPP CECHQEE DFRVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 124198 | GLLFGLIAL AEEVRKLK AR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131766 | YCQTWGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125498 | MGCSSPP CECHQEE DFRVTC | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125498 | MGCSSPP CECHQEE DFRVTC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131087 | SSPPCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 126201 | GYKEKSKF QDTHNNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 122842 | LLDLPRDL GGMGCSS PPCE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123701 | RGVGGPS Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125610 | YYVFFEEQ EDEIIGFG QELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117907 | HKAFKGSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 128073 | PKKSAKKT PKKAKKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 118780 | EEASGSSV TAEEAKKF LAPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 120168 | RGWKHSV TYSGGPDT PY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 129164 | KSRKASKA KKVKRSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 124367 | KLKARVDE LERIRRS | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125600 | WESYPFRV GTSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131628 | RGYDSYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123244 | GMIPPPGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 132336 | GHEAQPH SRPYMASL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117509 | GQIPPGA M | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119674 | WNPDDYG GVKKIHIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125492 | LSYPSHCC AFKNQKKI RGIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 129060 | KEIKKVAT PKKASKPK K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 125448 | IRGILESLM CNESSMQ SLRQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 125610 | YYVFEEQ EDEIIGFG QELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131762 | YAASSYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131437 | GASVKVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119582 | GLQLIQLIN VDEVNQI | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119580 | FMESGEW VIKESRGW KH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 131580 | PDRFSGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 132014 | PQIVPEPM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 120727 | KYFPEVKT KGMAAVP KL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 120682 | KILPEVKEK HEFLSRL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 121474 | KKAPAKKG EKVPKGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 123579 | PGMIPPP G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117300 | GSGKGKV QFQGKKT KF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 113189 | TDKKSYP LEDPGVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 107949 | KSLSLSP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 108075 | PREPQVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 108075 | PREPQVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 108075 | PREPQVY | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 107773 | CSVMHEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117300 | GSGKGKV QFQGKKT KF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117300 | GSGKGKV QFQGKKT KF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 106634 | LVGPRGER GFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117344 | PPGMRPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 116688 | CYYASRND KSYWLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 107784 | DGSFFLY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 108074 | PQVYTLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 106642 | MHLNTPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117214 | KGEQGEP GA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 113229 | YNYKKFS YKTIVMG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 112931 | DATTNPSL ILAAAQM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.007 | 0 | t | 117344 | PPGMRPP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 113212 | VPVLSAKA AQASDLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 112935 | DFLTISPKL LGELLQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 107479 | KFNWYVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 107479 | KFNWYVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 116757 | KFDVPCG GRDCSGG CQCY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 112971 | FGAEILKKI PGRVST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 113095 | MSSSPVKR QRMESAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 112982 | FTTVVADT GDFHAID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 107814 | EGLHNHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 107814 | EGLHNHY | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 113196 | TIVMGASF RNTGEIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117383 | TLHKAFKG SIFVVFSI ESA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117246 | VTWEVLE GEVEKEAL KKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 107087 | ARGLTGRP GDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 107087 | ARGLTGRP GDA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 107503 | LFPPKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 113091 | MESALDQ LKQFTTVV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 104569 | MASPGSG FWSFGSE DGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 108104 | RRLPFGSQ M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117331 | MKLVRFL MKLSHETV TIELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 107566 | PQVKFNW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 113942 | TQDENPV VHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 116682 | CHGRGTC NYYANAYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117348 | PTRAPSGP RPP | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|---|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 103104 | DFLIEEIERL GQDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 109406 | KIQPSEPR DSAVYFCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 113010 | GRVSTEVD ARLSFDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117320 | KPKAAKPK KAAAKKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 104586 | NRVAPNV RQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 104586 | NRVAPNV RQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 116681 | CFEGQEKA HNQDLGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 107773 | CSVMHEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 71346 | VTGSVVCT TAAGNVNI AIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 71346 | VTGSVVCT TAAGNVNI AIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 65050 | TLRVYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 62340 | SVSVGMP PSPRP | Mus musculu s |

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|---|------|---|---|-------|--------|-------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 58022 | SGETTTAA GTTASPGA ASGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 51252 | QKSKQNIG ALKQEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 51852 | QPHDLGK VGEVIVTK D | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 42633 | MSPVNKS FEIEVTCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 31330 | KILPEVKEK HEF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 29342 | IVLGGGCA LL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 11081 | EAIPALTA VETGHTSQ V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 31330 | KILPEVKEK HEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 20097 | GGYGDGG AHGGGYG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 22742 | GTLKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 11081 | EAIPALTA VETGHTSQ V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 8508 | DGVAVLK VGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 8464 | DGNPPEV KSVGLGN VNGVTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.054 | -0.05 | t | 115607 | GPRHPIRA LVGD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.009 | 0.008 | t | 65996 | TRAPRREE LEWDDDED H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 78513 | SEELLVESS AIRSRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 121928 | TPRLPGAL E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0 | t | 22686 | GTHNQW NKPSKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.029 | -0.031 | -0.03 | t | 67262 | TWHLPAH APVVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 144654 | GPHPTLEV VPMGRGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.026 | -0.029 | -0.031 | t | 49505 | PSSKRFQP FQQFGRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 119624 | PDTPYLDIT YHFVMQR L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.012 | 0.01 | t | 42060 | MLSKYSLPI VEEPEDYK EAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.041 | -0.038 | t | 96335 | GRRLPVVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.02 | 0.007 | 0 | t | 128001 | GLINRAKA VKQFEESR GRTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.008 | 0.02 | 0.028 | t | 32 | AAAETGV GVIKSIAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 138194 | IIPKSSWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 105127 | DAEFRHD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 89665 | TQQGGAY GRCPNGT RA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 67436 | TYQRTRAL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 85174 | LFTQQGG AYGRC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 89868 | VAPGIVIPP KAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 46006 | NSTLGVKS AREF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 10125 | DSGCVVS WKNKELK C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.013 | 0.012 | t | 69383 | VLAQKVA RTLTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.023 | 0.013 | 0.012 | t | 69383 | VLAQKVA RTLTP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.023 | -0.028 | t | 144639 | FAQAYAR GIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.069 | -0.07 | -0.07 | t | 142005 | SDFRRQN RRGGTNK RTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.052 | -0.05 | -0.05 | t | 120415 | AVAGRGR GRGRGRG R | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 139806 | LLSPVRRD QPLFTFRQ VG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.002 | 0 | 0.001 | t | 97349 | GLFGAIAG FIENGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.021 | 0.022 | t | 151071 | YAADLKST QNAIDEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.01 | t | 47651 | PGFMRGS RPSDPAFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.01 | t | 104171 | PGSGFWS FGSEDGSG DPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.002 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.034 | t | 133535 | CKPGEVQ QC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.032 | t | 50884 | QGILFLQW VRDIIDDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.036 | -0.04 | t | 135971 | PRPRDRSG LAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.007 | 0.002 | t | 57612 | SERSQPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.036 | -0.04 | -0.04 | t | 65905 | TQNRQIDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.03 | -0.027 | t | 103545 | RGIHVDIII DRSHSKLT FKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.031 | 0.029 | 0.031 | t | 35061 | LCKGPDAL CLSNLTPM L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.01 | 0.012 | t | 132913 | VPVNLSKT SGVAVES | Trichosu rus vulpecul a |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.013 | -0.012 | t | 110856 | FSADLDQF PLGRKFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.019 | -0.019 | t | 137893 | HHNLLVGS VSGFYPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.016 | -0.02 | t | 48125 | PKPQRKTK RNTNRRP QDVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.032 | t | 20173 | GHPRTAEL LGML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.026 | 0.028 | t | 96476 | KLFPNSLD QT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.003 | 0 | t | 60 | AAASAIQG NVTSIHSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 140557 | EDLEGEW PMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.007 | -0.007 | -0.009 | t | 76453 | YWERGIPL P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.013 | t | 79743 | AALAARKA DLEKALEG AM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.025 | -0.033 | -0.038 | t | 104054 | LSGVERAN SVTWNPH KMMGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.011 | t | 133469 | YYNETKL KESYKVKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.02 | -0.012 | t | 116695 | DRRDPYSP SPYDRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.027 | 0 | -0.005 | t | 75418 | YPTFGEHK QEKDLEY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | 0 | t | 150852 | HIGGLSILD PIFAVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.055 | -0.061 | -0.06 | t | 51798 | QPCHRDM FGFCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.016 | -0.023 | -0.029 | t | 119037 | TRPGMTR PDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.01 | t | 73486 | YCAWPAC YCYGVDP H | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.029 | -0.03 | t | 12927 | ELAAKLVA LGINAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 159079 | RSNHNRR PGYKTQN QG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.007 | -0.021 | -0.02 | t | 137947 | PNTMKTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | -0.003 | 0 | t | 29129 | ITVEELKQL LEQWNLVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0.007 | t | 138238 | SMLDTPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.019 | t | 22134 | GRLITVNPI VT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.003 | 0 | t | 117140 | DWEYSVW LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.023 | 0.03 | t | 119655 | TTEAVVAD KPEKEKA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.021 | -0.03 | -0.03 | t | 100321 | NDQIGDSL YSAMTV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.005 | 0.012 | t | 40110 | LTPLEELY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.027 | -0.03 | t | 79599 | LHIRAGPY GHATVEM PEWIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.02 | 0.011 | 0.009 | t | 23068 | GVNLEDP ASRDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.033 | -0.039 | -0.038 | t | 37684 | LLPRRGPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | t | 73430 | YAQYMSR AYAEFLGE DPGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.024 | -0.02 | t | 16092 | FHAEWPT PSPWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.031 | -0.03 | t | 141928 | IRHQRSQT ECG | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.011 | t | 118285 | DAYVLLSE KKISSIQSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.029 | -0.027 | -0.02 | t | 112316 | SIKNPTNA K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.032 | 0.03 | 0.031 | t | 107267 | WYFDVW GAGTTVT VSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.012 | t | 136068 | KATV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.002 | t | 7491 | DAEFRHDS GYEVHHQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.043 | -0.051 | -0.049 | t | 137866 | GDTRPRFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.002 | -0.013 | -0.011 | t | 52417 | QSQQQGN SRRGPRVV P | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | 0.003 | 0 | t | 41852 | MKKNDQI AAAIVLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.03 | -0.031 | -0.028 | t | 56852 | SALEDKLA DYKRRM | Myodes glareolu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.013 | -0.009 | t | 23169 | GVTHDQL NNFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.03 | -0.04 | -0.042 | t | 93007 | INNGLPPI QNTRNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.008 | t | 40495 | LVNSVSTK EGDSSNTG AGKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.053 | -0.05 | t | 94702 | TCWAICKR IPNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.014 | -0.019 | t | 30332 | KEDTSFGG NLGRAVF QAKKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 108575 | PLTNRRLR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.004 | 0.011 | t | 138166 | FHEFWPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.038 | 0.04 | 0.042 | t | 41017 | MADNGTI TVEELKQL LEQWN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.04 | 0.042 | t | 41017 | MADNGTI TVEELKQL LEQWN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.038 | 0.04 | 0.042 | t | 41017 | MADNGTI TVEELKQL LEQWN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0 | t | 777 | ADTDGPP AQF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.031 | -0.031 | -0.03 | t | 61574 | STEELFKEY KLTRPYMA RC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.03 | t | 61574 | STEELFKEY KLTRPYMA RC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.031 | -0.03 | t | 61574 | STEELFKEY KLTRPYMA RC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.013 | 0.011 | t | 51499 | QLQLTEAQ AANGGAS GQV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.007 | 0 | t | 119851 | EVNQIVET NVRLRQQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.011 | -0.012 | t | 46095 | NTFYCCEL CCYPACAG CN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.01 | -0.01 | t | 48408 | PLLRTAPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.01 | -0.01 | t | 48408 | PLLRTAPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.023 | -0.02 | -0.017 | t | 6462 | CIVNRRTS FFNLGPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.033 | -0.03 | t | 12961 | ELAYFYPEL F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.053 | -0.05 | t | 42790 | MTDVSRI RAWGRR MIGTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.01 | t | 110614 | GPRGLPGE RGRTGPA GAAG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.04 | 0.051 | t | 108612 | RNDLITFLE QETK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 267 | AALASLFLS GPQQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.005 | -0.019 | -0.02 | -0.022 | t | 45311 | NPDDDFR PGLKDTKL LKTALA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.022 | -0.02 | t | 135995 | SIQSIVPAL EIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.008 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.008 | 0 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.008 | 0 | t | 23179 | GVTSAPDT RPAPGSTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.008 | 0 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.008 | t | 62339 | SVSVGCKP VPRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 115334 | KYKVPQLE IVPNSAEE RLHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.035 | -0.04 | -0.04 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.002 | -0.02 | -0.02 | t | 65799 | TPVIGSQA RK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.023 | -0.027 | t | 130868 | GQSYPPRP DTSLHVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.023 | 0.03 | t | 117545 | KIQRTQQE DSAVYLCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 0 | 0.02 | 0.025 | 0.055 | 0.021 | 0.03 | t | 76118 | YTLPRSSN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.016 | -0.02 | -0.018 | t | 102261 | YREKFDAL KEAIE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.015 | 0.01 | 0.008 | t | 20770 | GLARTTAD RQTACNC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.037 | -0.051 | -0.05 | t | 138893 | RHDSGYEV H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.016 | 0.01 | 0.01 | t | 50358 | QASNVFQ GVFLTTPM QKDDC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.039 | -0.039 | t | 153362 | APWSLRD HLAVTGG GS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.016 | t | 96455 | KGKNVLIN KD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.03 | t | 22396 | GSKTLAGP KGPITQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.013 | -0.008 | t | 47229 | PDYASLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.013 | -0.008 | t | 47229 | PDYASLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.01 | 0.01 | 0.012 | t | 156918 | MAITDHP GSAMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.01 | -0.003 | -0.002 | t | 52463 | QTACNCLK NLAGSIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.027 | -0.028 | t | 98525 | TKAQSYEI KA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.011 | -0.027 | -0.03 | t | 59381 | SLPEFRLH ALLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.022 | -0.03 | -0.03 | t | 71163 | VSTQSAKN PPGATVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.001 | -0.01 | -0.01 | t | 8508 | DGVAVLK VGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.039 | 0.037 | 0.041 | t | 6532 | CKVQRQY DEQQKEQ C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.021 | 0.03 | t | 135706 | KQYVDGD Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.011 | 0.013 | 0.021 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.011 | 0.013 | 0.021 | t | 119514 | RGWKHW VYYTCCPD TPY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.002 | t | 73497 | YCIEAKLTN TTTESRCP TQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.002 | t | 73497 | YCIEAKLTN TTTESRCP TQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.002 | t | 73497 | YCIEAKLTN TTTESRCP TQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.013 | -0.007 | t | 26844 | IKLPALF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.055 | 0.043 | 0.04 | t | 34154 | KVPEDTLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.011 | -0.003 | -0.01 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 38257 | LNKSINPD EAVAYGA AVQAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 146020 | TCPPDIIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.023 | -0.02 | -0.018 | t | 132837 | HQTKPAL NLDTLQVR | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 111845 | TPTLHEYM LDLQPETT DLYC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.002 | t | 111845 | TPTLHEYM LDLQPETT DLYC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | -0.004 | -0.002 | t | 23875 | HFVLLVGY GSADGVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.021 | 0.02 | 0.021 | t | 48093 | PKKPNENK LKQPNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0.006 | t | 2992 | ALVVSQLL R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.013 | 0.012 | t | 43701 | NENKLCIK LGQGLTFN SNNI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.021 | -0.03 | -0.029 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.03 | -0.029 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.03 | -0.029 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.001 | t | 122108 | GVGVELE NSMGGLN F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.017 | -0.033 | -0.032 | t | 50761 | QFGPNAG QRMPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.017 | -0.033 | -0.032 | t | 50761 | QFGPNAG QRMPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.026 | 0.027 | t | 107242 | SQTTANPS CPEGT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.033 | 0.041 | t | 132397 | KEENLVKS LVSAGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.003 | -0.001 | t | 33123 | KRELRLNP QQCGLRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.029 | t | 120002 | KSRSDLMF EKQSERHG LARR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 134767 | QDPYVKE AENLKKYF NAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.022 | 0.017 | 0.021 | t | 77810 | YSASVKGR FIVS | Mus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 99330 | IGKPKAQN IRQGAKE | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0.006 | 0.006 | t | 122721 | CSNSSSSQ FQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.012 | -0.02 | -0.018 | t | 79923 | LVCGIAAK LGAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.027 | -0.02 | t | 122143 | LSVVGD PDAPPTMVA VAPVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.002 | t | 105206 | GAIIGLMV GGVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.033 | 0.04 | t | 114193 | AEYYNKQY LEQTRAE LDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.017 | -0.01 | t | 118798 | GAGFGHG SGYGVGH GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.008 | t | 73114 | WTANGDY KSKGDKPV YEPGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.048 | -0.05 | -0.048 | t | 120070 | LLDQRLAL QW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.017 | t | 117830 | ELDGQEYV VEFDLFGK DSIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.036 | 0.023 | 0.03 | t | 118826 | GSGKGAGI GLGVGGG VGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.017 | -0.01 | t | 117524 | GVDVSMN THLKAVK M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.029 | t | 8347 | DGAHHDG AHH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.003 | t | 48779 | PPFSLSPV PTLGSRSR R | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-------------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.003 | t | 37660 | LLPHSNLD HILEPSIPW KSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.029 | 0.013 | 0.012 | t | 35662 | LEQPVSND LS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0 | 0.002 | t | 132891 | QVSCPAIQ ADEVLGE | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 79305 | MCEYSHW SGFAFCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 78519 | SHPGGLYN DPPRSTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.01 | -0.009 | t | 99919 | CVYDPRG HTGTTNQ RSPPGGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.047 | -0.048 | t | 106442 | GDLKRTTG GGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 106764 | QYTSIHGG VVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.023 | 0.025 | 0.027 | 0.034 | t | 68790 | VGSDQHP DIHAPDGA | Oncorhy nchus tshawyts cha |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.012 | -0.01 | -0.01 | t | 104139 | MWNDFW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 77791 | NKVSARG CTFYGCW KGLVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.03 | -0.029 | t | 9684 | DPMFTPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.01 | t | 73485 | YCAWPAC YCYGLPDS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.003 | 0.002 | t | 51372 | QLINTNGS WHINSTA | Pan troglody tes |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.01 | 0 | -0.003 | 0.002 | t | 51372 | QLINTNGS WHINSTA | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.01 | t | 14697 | EVFTKKTK LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 130599 | RQGEEVY MWRDSM PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.029 | -0.043 | -0.04 | t | 32731 | KPHFPLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | -0.003 | -0.002 | t | 114462 | LTIPQNFA VVKRARN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.013 | -0.01 | t | 142304 | SVTLVEAY TDVFDDT QVEMI | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.017 | -0.02 | t | 12958 | ELAWGIAS DGGALKH GFKTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.022 | 0.01 | 0.01 | t | 57389 | SEEKFVTM TDLVPGI | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.022 | 0.01 | 0.01 | t | 57389 | SEEKFVTM TDLVPGI | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.02 | -0.019 | t | 95050 | YCEIIVTHF PFDQQNC T | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.005 | -0.01 | -0.008 | t | 3578 | APGPGEV W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 96743 | PNSWYGA GAIKMSG PNNHV | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.027 | 0.009 | 0.008 | t | 60953 | SSDPAWE RNDPT | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.001 | -0.02 | -0.02 | t | 56565 | RYKQKIIAP AKQLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | -0.005 | 0 | 0.001 | t | 64843 | TLIDINGKT KSVFFEYNI R | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0 | 0.001 | t | 64843 | TLIDINGKT KSVFFEYNI R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.026 | -0.029 | t | 48124 | PKPQRKTK RNTNRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.04 | -0.04 | t | 67263 | TWHLPSH HSRRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.001 | 0 | t | 60651 | SRERRAPT PQRAGS | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.009 | t | 51438 | QLSSSKYT IQRSTGDN IDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.022 | t | 127672 | GPGAGDR RREGPDRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.018 | 0.017 | 0.019 | t | 98982 | REREREED WRQPRED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.04 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.047 | 0.04 | 0.04 | t | 56104 | RTLGEDPQ YHEEWV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.007 | -0.001 | t | 144885 | EPGQLKLN WFKKGSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.03 | t | 41183 | MCAVRDP AFSRSRLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.06 | -0.06 | -0.06 | t | 117515 | GRGRGRG RGRGRG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.003 | t | 19637 | GFTTNEPR YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.006 | 0.006 | t | 23599 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.045 | 0.05 | 0.04 | 0.04 | t | 127645 | EVDNGNF VHCEESGK LVLVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.012 | t | 70240 | VPAAYAA QGYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.009 | -0.008 | t | 31903 | KLIAQGGK AKICGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 79287 | LEVTVML NKRLPDSR TS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.012 | -0.019 | -0.022 | t | 17535 | FQSMRKH TPYRNGCL EPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.012 | -0.019 | -0.022 | t | 17535 | FQSMRKH TPYRNGCL EPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.028 | t | 111846 | TQRLVWA CVGVEVG R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.035 | 0.01 | 0.009 | t | 47494 | PFGDSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.045 | 0.03 | 0.03 | t | 45303 | NPASTTNK DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0 | -0.01 | -0.011 | t | 110859 | GEESRISLP LPNFSSLN LRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 133999 | AGWILTEL EQSATVM KS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.001 | 0 | t | 62003 | STWHVLYS PNVSVPS SSTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.021 | t | 74009 | YGGPANK KNAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.02 | t | 116917 | AESDDST RRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.041 | t | 153622 | IEGVKYIAE HMKSD EES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.01 | -0.023 | -0.02 | t | 19632 | GFTLEFLE HAFSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 112845 | SWYARHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.037 | -0.04 | -0.04 | t | 141064 | NSIGLTW QR | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.005 | 0 | 0.003 | t | 6357 | CGSVFLVS QLFTLS PRRHET | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0 | t | 751 | ADPVTTEG DYVVKISEF YGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0 | t | 100438 | QPREDWR RPSHQQP RKIRPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.065 | -0.07 | -0.072 | t | 78946 | DAWCGR GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.033 | 0.028 | t | 51806 | QPELAPED PED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.002 | 0.002 | t | 100445 | QRSRQFQ NLQNRHIV QIEAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.073 | -0.07 | -0.07 | t | 18814 | GAVIIRGH LRMAGHS LGR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.016 | -0.02 | t | 17960 | FTFSPRRH WTTQGCN CSIYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.013 | 0.011 | t | 38323 | LNQTARAF PDCAICWE PSPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.05 | -0.05 | t | 135945 | KFGADAR ALMLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.048 | 0.04 | 0.042 | t | 153382 | FAENKKD HFSPGGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.019 | 0.011 | 0.01 | t | 4733 | ASRAALIEE GQRIAEM LKSK | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.05 | -0.046 | -0.028 | -0.053 | -0.038 | t | 103933 | GKLPWPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.029 | t | 65971 | TQWQVLP CSFTTLPAL STGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.022 | t | 78059 | VLDWKTR GKDLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.029 | -0.017 | t | 119457 | GLELPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.027 | -0.04 | -0.04 | t | 105825 | GGFRIFGIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.007 | 0.01 | 0.013 | t | 110762 | AGSSIVPLE EYPAEIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.017 | t | 104906 | MVGGVVI A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.011 | 0.013 | 0.02 | t | 102825 | STKADKKP EAKREAIV KADE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.052 | 0.038 | 0.038 | t | 96447 | KEEEEDKK RK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.009 | t | 115563 | WYSLAMA ASDISLLDA QSAP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 116085 | EPANPSEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0 | t | 361 | AAPKELRIT MAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.02 | 0.03 | t | 108497 | KIGPELHGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0 | -0.009 | -0.01 | t | 32070 | KLPDDFM GCVLAWN TRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.011 | -0.009 | -0.01 | t | 70109 | VNKNTLQ ARQQT VSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.001 | -0.01 | -0.01 | t | 100405 | PYYGPGV DYKNNLD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.041 | -0.04 | -0.04 | t | 70950 | VSGGLCST RLHRHALL ATCP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.037 | 0.039 | 0.04 | t | 54599 | RLITGRLQS LQTYVTQ Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.024 | -0.041 | -0.04 | t | 142224 | LLDTKGGL YRWSPV | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.003 | -0.007 | t | 122101 | GKGAGDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | 0 | 0.005 | t | 10853 | DYAWDQT HQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 69627 | VLLRRIGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 59326 | SLITYMK M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 24249 | HLLRLSEI | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.003 | -0.02 | -0.021 | t | 94638 | PACGRHYS CG | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.011 | t | 38271 | LNLTTASV PMLRWYA ERFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.004 | 0.001 | 0.002 | t | 33223 | KRTITSKKS KKAPSGAS GVK | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.112 | -0.105 | -0.107 | -0.11 | t | 96175 | DFRWYGP KYITHSIRS FTPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.032 | -0.04 | -0.042 | t | 1453 | AGARRGD LAHLAAAH ARHLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.032 | -0.04 | -0.042 | t | 1453 | AGARRGD LAHLAAAH ARHLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0.003 | 0.002 | t | 65099 | TLTLAMPK TTYELKME CPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.058 | -0.063 | -0.061 | t | 56937 | SAPPTRVR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.033 | 0.03 | 0.031 | t | 136071 | LLYGEVGD TLLIIFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 60722 | SRLGRSSA WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.017 | -0.018 | t | 10787 | DVVTKLPL AVMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.057 | 0.041 | 0.04 | t | 35419 | LEDTVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.035 | 0.03 | 0.032 | t | 20173 | GHPRTAEL LGML | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.031 | 0.031 | t | 133661 | NYSPLHNS DITV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 131543 | LLTSMYVK EFLISSSQD GHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0.002 | t | 24909 | HTFDDFCP ECRPLGLQ GC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.011 | -0.01 | t | 142422 | GAILVDFW AEWC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.053 | 0.053 | 0.05 | 0.055 | t | 78938 | CAPGQNL CY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.02 | 0.02 | t | 39024 | LQYTPSW MLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.003 | -0.003 | t | 142473 | SEAKDGSH GEGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.034 | 0.04 | 0.042 | t | 139034 | EIDQLEQR ADNLTTIA HELQ | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.042 | -0.043 | -0.041 | t | 99363 | IYRLRGRA HVQVVDs | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 130459 | CSKARLHL QGRSNAC AAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0 | t | 10800 | DWEDRYy | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.019 | t | 35401 | LEDPIsRDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 107765 | CESAQRPF GCC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.01 | t | 107765 | CESAQRPF GCC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.003 | -0.009 | -0.01 | t | 51844 | QPGPSREY RYVLRTP P | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.003 | t | 70817 | VRRRVNA ANKKPEDL TLNDL | Aotus lemurinu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.028 | 0.03 | 0.033 | t | 131035 | RHQREITR TTLQSDQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0.003 | 0.002 | t | 74684 | YLGTGPEA SLPYGANK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.001 | 0 | t | 50767 | QFGRDVS DFTDSVRD PK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.001 | -0.001 | 0 | t | 50767 | QFGRDVS DFTDSVRD PK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 18736 | GAQAVAR SLDWTKV TLDGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.039 | t | 105964 | MGSRTDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 119674 | WNPDDYG GVKKIHIPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.011 | 0.012 | t | 55055 | RNRSPERC DLGDDLHL Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.02 | 0.011 | 0.01 | t | 21429 | GNGAGGQ PAGNGAG GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.02 | t | 127644 | ESMPALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.011 | -0.01 | t | 17278 | FPELKPGE SRHTSDH MSIYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.036 | -0.043 | -0.04 | t | 43990 | NGGPCVFI KRVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.023 | -0.017 | t | 150853 | HIGGLSILD PIFGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.021 | -0.028 | t | 115702 | DEAELPSRI SPGKNA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | 0.009 | -0.007 | -0.011 | t | 70457 | VPQVRKET RASSR | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.009 | -0.007 | -0.011 | t | 70457 | VPQVRKET RASSR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.02 | t | 131101 | TDSEMDV VRFDDDN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.008 | t | 62852 | TAGHGAY GITSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.011 | t | 153434 | NSPFMLH SALSGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.018 | 0.01 | 0.012 | t | 50845 | QGDRGVG SSAVILDD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 128004 | GMIEVQS NYGFVWD VSLKKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.022 | -0.023 | -0.019 | t | 94675 | RKMWCD AFCSSRGK VVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 95004 | DEESSNAA EEWKYVA MVIDH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 95004 | DEESSNAA EEWKYVA MVIDH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.013 | t | 134255 | VGPAPGM RPPMGGH MPMM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.007 | -0.013 | -0.01 | t | 32633 | KNVNFQP SGVTTRQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.031 | 0.03 | t | 48823 | PPLLESWK DPDYVPPV VHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 97595 | QTPLTMA ALELF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|---------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.035 | -0.05 | -0.05 | t | 139810 | LPSWHRF | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.004 | -0.02 | -0.02 | t | 49302 | PSAVKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 131318 | VPSTPPTP SPSTPPTPS PS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.011 | t | 133835 | GDCFFGFL NSPWRVC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.045 | -0.047 | -0.048 | t | 132262 | ELNVTVVT FFCRPHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.033 | 0.04 | t | 123246 | GMLGTTP EE | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.039 | -0.04 | t | 68035 | VDPDREM LAAERPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.008 | -0.008 | t | 100433 | QNLRVAKI SMPVNT GQFED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.013 | 0.015 | t | 106515 | HLPSFLRP DPPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.011 | -0.01 | t | 28693 | ISQQPFPL QP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.023 | 0.023 | t | 106978 | VQYSSPE ALRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0 | -0.001 | 0.003 | t | 146185 | DAEFGH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.003 | t | 102384 | EFRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.01 | -0.011 | -0.01 | t | 50281 | QAIKAKKL NVPQPKFE G | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0.001 | t | 21254 | GMDGTQL DRW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0.001 | t | 3236 | ANCASILC KCYTTGT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0.001 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0.001 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0.001 | t | 3236 | ANCASILC KCYTTGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.051 | -0.057 | -0.06 | t | 58077 | SGHRMA WMMMM NW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.029 | -0.033 | -0.029 | t | 99276 | GGKGPLLS ILKAFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | 0.002 | -0.02 | -0.02 | t | 95319 | DMGSLAA R | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.043 | -0.05 | -0.05 | t | 18116 | FVAMWSD VGLCKKRP KPGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.05 | t | 18116 | FVAMWSD VGLCKKRP KPGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 51930 | QPQQPQQ SFPQQQR PF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.052 | 0.05 | 0.051 | t | 10525 | DTYEEVLE LAQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.014 | -0.013 | t | 46317 | NTWTTCC SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.013 | 0.012 | t | 99060 | WTTPDTS PNCRIDQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.015 | 0.019 | 0.021 | t | 40925 | LYREFDEM EECSQHLP YIEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.004 | -0.02 | -0.02 | t | 46756 | PACYCYGL PDSVKIWW | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.027 | -0.028 | t | 41115 | MASCRPID KFDQGW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.012 | -0.027 | -0.03 | t | 49055 | PQPGLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0.002 | t | 140838 | DEPPQSP WDRVKDL ATVYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.009 | -0.01 | t | 57635 | SESTIGDVL QQMAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.011 | -0.01 | t | 52792 | QVSLESVD VYFQDVF GTMWC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.076 | 0.058 | 0.058 | t | 99010 | SPEKEDQE EENQGGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.007 | -0.01 | t | 17839 | FSRQFLIPY DPEHHYK VFSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.022 | t | 94511 | FEVFNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.019 | t | 563 | ACHPLFDA RCGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.009 | -0.009 | t | 59749 | SMSHRTM SIVNSYVN DVMER | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0.002 | t | 45702 | NRLIAFAS RGNHVSP RHYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.01 | -0.004 | -0.01 | t | 7969 | DEEMEQA KRNHLRVV DSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.04 | 0.05 | t | 98883 | LNENKVLV LD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.025 | 0.02 | 0.022 | t | 126918 | RDYIPRILG PEAFQQY VGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.007 | t | 34335 | KWVNGRE I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.052 | 0.047 | 0.053 | t | 7902 | DEAEEEDE NPYVFED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.049 | -0.048 | t | 96335 | GRRLPVVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.023 | 0.01 | 0.01 | t | 3222 | ANAEALN NLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.021 | -0.04 | -0.04 | t | 95687 | PSVPNLRG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.032 | t | 140461 | EVSLHDM NLATH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | 0.003 | 0.001 | t | 17360 | FPQFKPEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.016 | -0.012 | t | 23077 | GVNPNNNA AGLPKGC G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127852 | TCTIKVVG GYQVNIRV GDTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 127852 | TCTIKVVG GYQVNIRV GDTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.01 | t | 50427 | QDAATPY HPPATPN N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.029 | -0.029 | t | 5147 | ATSRSTM QLASFFTP G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 107326 | DVSDMFS K | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 79306 | MCNTDAS YPHVPCD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.023 | 0.01 | 0.01 | t | 159166 | TRLEHQM WESVRDE LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 140906 | TPEYNIAL GQRRADA VKGYL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.011 | -0.01 | t | 41840 | MKIRLHTL LAVLTAAP LLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 5244 | AVAASNN PELTTLTA ALSGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.01 | t | 104171 | PGSGFWS FGSEDGSG DPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.026 | -0.03 | -0.03 | t | 18970 | GDEVRALA NDLKAFLD SEYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.028 | t | 111846 | TQRLVWA CVGVEVG R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.046 | 0.043 | 0.042 | t | 21019 | GLLQTASR QAEVIAPA VQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.029 | -0.033 | -0.029 | t | 99454 | LRYQQQS RQSRRLSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.009 | t | 108144 | SRLAFGDQ L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.01 | t | 69888 | VLYQEFDE MEECSQH LPYIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.052 | t | 145804 | GPVGPSD PSIVSLVEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.011 | -0.01 | t | 98220 | LKSLVLGG RKAVKQG | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.016 | -0.027 | -0.02 | t | 54546 | RLGAALLQ SA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.052 | -0.06 | -0.06 | t | 84685 | KRVHARM AFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.021 | 0.013 | 0.01 | t | 31886 | KLGLKLLRY YTEILS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.041 | 0.037 | 0.041 | t | 99129 | CQQEPDD LKQKACES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 29938 | KARRSEGR SWAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.038 | -0.05 | -0.051 | -0.05 | t | 50164 | PYRLWHY PCTIN | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.026 | 0.019 | 0.019 | t | 78169 | GKHGKEIKI T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.013 | t | 134699 | KDRHDFG F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | -0.007 | t | 141602 | AHFNGSLR SLTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.01 | 0 | 0 | t | 27932 | IPLLRTQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0 | t | 27932 | IPLLRTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.002 | -0.01 | -0.009 | t | 48154 | PKTHNSGR SNVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.016 | 0.022 | t | 45246 | NNSNLFD T IESLQGR IID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.009 | -0.01 | t | 40104 | LTPKELD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.009 | -0.01 | t | 40104 | LTPKELD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0.001 | t | 15805 | FFEVAH | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.042 | -0.04 | -0.038 | t | 120433 | DFAVTHLT KAHLFYDGRV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.011 | t | 131575 | NSDGSHT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 97287 | ETPLTETALKWH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 118383 | GLKKMLRT CAVHITLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 135571 | LFRGRRAS Q | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.01 | -0.01 | t | 49716 | PTNAAFSK LPASTIDELKTN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.019 | -0.02 | -0.016 | t | 10431 | DTNKDKPS YQ | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.035 | -0.039 | -0.04 | t | 78749 | MPKTRRR PRRSQRKRPPTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.039 | -0.04 | t | 78749 | MPKTRRR PRRSQRKRPPTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | 0.001 | -0.017 | -0.021 | t | 153820 | DTPTLHEY MLDLQP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.01 | t | 9103 | DLGPLAAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.058 | -0.05 | -0.05 | -0.049 | t | 136649 | SPQRRKRT RQIR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.02 | t | 102408 | ETEKPLKP APVAPNYEKEPT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.033 | -0.032 | t | 50584 | QEFECAGV ALSRLVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.017 | -0.017 | -0.012 | t | 124198 | GLLFGLIAL AEEVRKLK AR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.005 | -0.01 | -0.01 | t | 102789 | SANLNFFS PDFGLYTP NASA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.003 | t | 302 | AALTAENT AIKQRNEN AKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.014 | -0.021 | -0.02 | t | 7675 | DAVTPLRI FIVPPPA EYEQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.004 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.004 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.014 | -0.019 | -0.019 | t | 49498 | PSRSLPLPP LLSPPRFH PPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.012 | 0.003 | -0.001 | t | 133841 | GRGNQDP GGGMEKD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.029 | 0.04 | 0.047 | t | 72886 | WNEKYAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.021 | t | 73430 | YAYMSR AYAEFLGE DPGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.021 | t | 73430 | YAYMSR AYAEFLGE DPGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | 0 | t | 158939 | KTQNNQGP WDENGIV LD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.01 | 0.012 | t | 11815 | EENVEENV EENVEENV | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.01 | 0.012 | t | 11815 | EENVEENV EENVEENV | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0.001 | t | 31002 | KGLNGLFD LGPKQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.028 | t | 137399 | FCGLPRLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.002 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.002 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.03 | t | 107881 | HDKPPDLS MQRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.033 | -0.029 | t | 78077 | YPYSMWK NLWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.008 | -0.001 | 0 | t | 79115 | VVQEALD KAREGRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.017 | -0.021 | t | 115057 | GLSLSRFS WGAEGQR PGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.022 | 0.03 | 0.03 | 0.037 | t | 125055 | FVYGGCQ GNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.017 | t | 125004 | DAPDTDW CDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.051 | 0.043 | 0.04 | t | 21019 | GLLQTASR QAEVIAPA VQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.023 | t | 94644 | PNKKPGKK TTTKPTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 80615 | CASPYEGR YRDMYDA LR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.01 | t | 777 | ADTDGPP AQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 127814 | SAPWPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.023 | -0.02 | t | 59691 | SMIWSVP EAPRLFMV GT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.007 | -0.01 | -0.01 | t | 22199 | GRRVGLS N | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.027 | -0.03 | t | 39788 | LTAELKIYS VIQAEINK HL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.025 | -0.027 | -0.03 | t | 39788 | LTAELKIYS VIQAEINK HL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | -0.003 | 0 | t | 78553 | VGHDGSV WAQSSSF PQFKPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.01 | 0 | 0 | t | 91288 | FDATGHIL PDSSSLKT D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.023 | -0.02 | t | 38582 | LPLPLLQS WM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.011 | -0.012 | t | 18509 | GAAILVAG LSGCSSNK STTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 108167 | TRAFGNEA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.01 | -0.009 | t | 95084 | GEFQRKLY KELLKNYN PLER | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.009 | 0 | -0.002 | t | 120592 | HYLFDTYD PGRRPVQ EPEDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.007 | 0.013 | t | 38948 | LQPGVDIIE G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 27422 | ILYEFDE MEECASK AALIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.014 | -0.019 | -0.02 | t | 35094 | LCSALYVG DLCGSVFL VGQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.027 | -0.028 | t | 50538 | QDYDNQH EQDRPTPS PAPSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.009 | t | 130456 | CRPQVNN PKEWSCA AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 117495 | ERDRKREK RKPKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.004 | t | 125055 | FVYGGCQ GNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 115036 | AVLPVLLL QITVGLVF LCLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.004 | t | 29127 | ITVATSRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.009 | -0.001 | 0 | t | 47160 | PDPPQPD FPQLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.009 | t | 68246 | VEKLLDFD NTLKKNNL NYI | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.019 | t | 137869 | GGVSTGLI QDDWTFQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.008 | -0.018 | -0.02 | -0.019 | t | 137869 | GGVSTGLI QDDWTFQ | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.025 | 0.009 | 0.01 | t | 41665 | MHLPATIG DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.044 | -0.04 | -0.037 | t | 134334 | CRVNHVTL SQPKIVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.045 | -0.05 | -0.05 | t | 809 | AEAAGRRL AR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | -0.001 | 0.002 | t | 70570 | VQHLSDLK GTDISL | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.012 | t | 141602 | AHFNGSLR SLTQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 117742 | AKAQTDR EDLRTLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.013 | 0.02 | t | 144712 | KSLSTEFI PN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.03 | -0.029 | t | 9684 | DPMFTP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 104253 | SNVECDGL NCDWII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.023 | -0.022 | t | 98933 | PGSHVREE TSRNNPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.026 | 0.02 | 0.02 | t | 52421 | QSRGEARE SYRETGPS RA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.011 | -0.01 | -0.013 | t | 79998 | REARSGRL SQLRE | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.031 | -0.021 | -0.02 | -0.02 | t | 27608 | INDISHTQ SVSSKQRV TGLD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | -0.008 | t | 52245 | QRQNKPP NKPNN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.032 | t | 78521 | SLTILRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.028 | -0.028 | t | 103834 | CPRDLNGK SGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.042 | t | 136060 | EKPKLRKD MYKKMIE VDPL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 78455 | LPTNLTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.01 | t | 159170 | TTASGKLV TDWCCRS C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.043 | -0.041 | -0.04 | t | 29745 | KAACTPM GEAHNDK RADPAF | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.014 | -0.023 | -0.022 | t | 1656 | AGQRMPR ARYGLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.041 | t | 107768 | CIAPKRHN SAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.001 | 0 | t | 4129 | ARDLICAQ KFNGTLVL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 91100 | AFQTPVHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | -0.003 | 0.001 | t | 70620 | VQNTVED LKLNTLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.053 | -0.049 | t | 28405 | IRSWFGLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.034 | -0.043 | -0.041 | t | 94573 | KRIPNKKP GKKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.02 | t | 131766 | YCQTWGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.02 | t | 72248 | WANLMEK IQASVATN PI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.016 | t | 32800 | KPMKTLQ FFPGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.07 | -0.073 | -0.08 | t | 118028 | MWGRAL RKAIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0 | t | 79213 | FGMLPVP QQPMGP Q | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.003 | 0 | t | 48870 | PPPPSSPT HDPDSD PQIPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.049 | -0.053 | -0.049 | t | 99738 | TVRGGLRI LSPDRKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.011 | -0.01 | t | 60710 | SRKAYDH NSPYIWPR NDYDG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.015 | -0.02 | -0.018 | t | 28288 | IRFDENG VLLNNSFL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.019 | 0.019 | t | 9582 | DNYWSFS DSTYWTLR YSSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.009 | t | 7004 | CSGLVGLF TPGAKQNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 71335 | VTGLRNIP SIQSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.004 | -0.02 | -0.02 | t | 44293 | NIMSPVM GVIGFSF | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.026 | -0.02 | t | 105306 | LPQQCGLR APQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.025 | 0.009 | 0.01 | t | 137288 | SDLSVIGH PIDSE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.041 | 0.019 | 0.018 | t | 14003 | ERILEVSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.043 | -0.04 | t | 149030 | DFRFESSLS INDHA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.036 | -0.04 | -0.04 | t | 17572 | FRDLTWCI NPPERIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.008 | 0.01 | t | 71323 | VTGHRMA WDMMM NWS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.023 | -0.028 | t | 144639 | FAQAYAR GIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 132099 | TLNELPNR T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.009 | -0.01 | t | 23226 | GVYLLPRR GPRLGVRA TRKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.003 | -0.011 | -0.01 | t | 18750 | GARAMVT YDCEPRCP YVGAD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.037 | 0.03 | 0.03 | t | 153885 | SEEEDEID GPAGQAE PDRAH | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.015 | -0.01 | -0.007 | t | 58312 | SGWKISIR GNRIIWTLI DI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.023 | 0.013 | 0.012 | t | 157832 | RDDPHKV TPSDM | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.033 | -0.03 | t | 149057 | GWHTRIF VSDWYHT P | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.025 | 0.007 | 0.012 | t | 12961 | ELAYFYPEL F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.004 | -0.013 | -0.014 | t | 14414 | ETHVTGGS AGRT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.008 | 0 | 0 | t | 8536 | DHEGCKLS CFIRPSG | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.11 | -0.11 | -0.11 | -0.11 | t | 99177 | EDWRQPR EDWRRPS H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.018 | -0.03 | -0.032 | t | 95924 | TRAEGLYS MLVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.04 | -0.033 | -0.038 | t | 134034 | DSYEDISA YLLSKNNAI EPR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.04 | t | 126111 | GHCQGDG YRVGFGQ C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.016 | 0.023 | t | 130551 | LTDSEMD VVRFDAA C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 72866 | WMNSTGF TK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.035 | 0.02 | 0.021 | t | 9621 | DPEDSALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 78364 | DQHGWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | -0.002 | t | 64543 | TKDTQTG MSGQTTP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.002 | t | 67170 | TVSTEQNV PDPQVGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0 | 0.002 | t | 61589 | STEQNVP DPQVG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.005 | 0 | 0.002 | t | 61589 | STEQNVP DPQVG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | -0.002 | t | 57733 | SFCIMPPSI SEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.03 | 0.031 | t | 133531 | CDTLKPGE C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 68401 | VEVPGSQ HIDSQKKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.019 | 0.013 | 0.012 | t | 39146 | LRNCEQDF FTLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.001 | 0.003 | t | 105904 | KLVFFAED V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 41183 | MCAVRDP AFSRRLS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.007 | -0.01 | t | 43543 | NDWPCLS HTTVCNG TQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.023 | 0.012 | 0.01 | t | 13080 | ELGLISIEA ASDI | Mus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.009 | -0.009 | t | 3236 | ANCASILC KCYTTGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 53895 | RGKGEGLP GMC GGAL VSSNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.034 | 0.03 | 0.03 | t | 21715 | GPNNSEAI PALTAAE | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.016 | 0.025 | 0.023 | 0.031 | t | 115593 | AQGHRPQ DEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.025 | 0.023 | 0.031 | t | 115593 | AQGHRPQ DEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.012 | -0.003 | -0.002 | t | 64058 | THNQWN KPSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.008 | t | 125438 | HGVFAFLV SPSPYELC AVPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.014 | t | 140681 | GPEYWEQ QTRIAKEW EQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.007 | 0.012 | t | 63325 | TEDQAME DIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 158721 | DSGCAIDL QRRELKCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.029 | -0.03 | t | 17572 | FRDLTWCI NPPERIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.03 | t | 60753 | SRPGSTTP SGNSARYG NNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0.001 | 0.002 | t | 17466 | FQDLSNPN CKVDL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.026 | -0.039 | -0.041 | t | 65104 | TLTPAAPL PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0 | -0.01 | -0.01 | t | 120920 | RLVEHLLD PSRYNKLIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.037 | 0.027 | 0.03 | t | 117343 | PGSLLRFD NYTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.024 | 0.013 | 0.02 | t | 55275 | RPPTPWPI SQSDRAS YMDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.059 | 0.053 | 0.052 | t | 50674 | QEQQEQEL EEVEEQEQ E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.029 | t | 1448 | AGAPDRA RGQYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.009 | -0.008 | t | 96593 | LPHSNLDH IL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.003 | 0 | 0.002 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.037 | -0.04 | -0.039 | t | 122394 | HFPFDQQ NGTMKLG IWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.015 | -0.02 | -0.02 | t | 32408 | KMTVEAV KAKKTIL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.029 | -0.043 | -0.042 | t | 119378 | VDYNLKW NPDDYGG VK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.029 | -0.043 | -0.042 | t | 119378 | VDYNLKW NPDDYGG VK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.006 | -0.011 | -0.01 | t | 70934 | VSFQPDYP ITARIH | Anas platyrhy nchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.03 | -0.047 | -0.05 | t | 24176 | HLAPLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.007 | 0.012 | t | 39169 | LRPTFDTR LMRLEDE MKEGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.068 | -0.073 | -0.08 | t | 134789 | RRQGWLK EIRKLQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.02 | 0.021 | t | 122861 | NALNSPLH QEYEENL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 140458 | EHNDFPM YTWRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0.001 | t | 48927 | PPSSPTH PPSDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.021 | -0.02 | t | 4213 | ARPKQRR PQGLPNN T | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.028 | -0.03 | -0.028 | t | 100644 | WRITYKDT VQLRRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 125540 | QSLRQRKS VNALNSPL HQEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.02 | 0.022 | t | 26329 | IGTRNPNN NAATVLQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.025 | -0.031 | -0.03 | t | 54752 | RLSAACN WTRGERC NLED RD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.036 | 0.027 | 0.031 | t | 43938 | NFTTGEDS VAEVWRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0 | t | 22921 | GVATKGL GVHAKSS DWG | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 117745 | ALLRNLGK MTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.029 | -0.033 | -0.029 | t | 99448 | LRNLPQQC GLRAPQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.018 | 0.019 | 0.021 | t | 70203 | VNTQFYTI KEGMYKA LNYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.003 | 0.01 | t | 122140 | LQDSGVH DVAVISEA QAATA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.012 | t | 122291 | CTYILDPEK LTLRATYD N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.033 | 0.033 | t | 38203 | LNEKEIKDL YDNQSNS GIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.018 | t | 140620 | YSLYQALT A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.041 | 0.04 | t | 73072 | WSGEDSA TLGAGGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.027 | -0.02 | t | 135985 | RRGDMST LNTHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.046 | -0.059 | -0.061 | t | 47989 | PISYANGS GPDQRPY CWHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.046 | -0.05 | -0.05 | t | 13514 | ENLLKEAIR AIFPSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.003 | -0.013 | -0.01 | t | 17581 | FRELADAL LE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.01 | 0 | 0 | t | 20563 | GKFPGSKP S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0 | t | 50427 | QDAATPY HPPATPN N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.03 | t | 48282 | PLCNTRKS RQSGI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.02 | t | 106300 | CALEGWG GHW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 153382 | FAENKKD HFSPGGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.023 | -0.02 | -0.018 | t | 57307 | SDVININIY NPCVVPNI NNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.001 | -0.009 | -0.01 | t | 21804 | GPSYGFQY SPGQRVEF LVNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.037 | 0.03 | 0.031 | t | 132878 | NSSSSQFQ IH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.004 | -0.023 | -0.022 | t | 135939 | IPVLDENG LFAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.013 | t | 136740 | WDETLLD KF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.017 | 0.019 | t | 106872 | SSSSSGSG SG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.03 | -0.033 | t | 114132 | KSHGRTQ DENPVVH F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.01 | t | 107536 | PAPDTLKE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 116286 | CGKGLSAT VTGGQKG RGSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.01 | -0.01 | t | 8464 | DGNPPEV KSVGLGN VNGVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.02 | t | 41048 | MAHFPGF GQSLLYGY PVYVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.007 | 0.01 | t | 144592 | AMTDPKL DHMRH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.029 | t | 44135 | NHDYTKIR YADGHAIE NAVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.069 | -0.07 | -0.072 | t | 127811 | RVPRIPRD PRPPRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.012 | -0.01 | t | 48383 | PLKPTKRS FIEDLLFNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.026 | 0.019 | 0.019 | t | 78170 | GKHGKEV KIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.027 | -0.02 | t | 130928 | KQKFVLKT PKGTRDYS PR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.003 | -0.011 | -0.01 | t | 35810 | LFDGRDN GAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.022 | -0.023 | t | 99053 | VVNKGTG NLELVAVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.001 | -0.009 | -0.01 | t | 10789 | DVVVLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.038 | 0.03 | 0.028 | t | 10888 | DYGGDSTT PRPRYNAT TYLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.022 | 0 | 0 | t | 104312 | TNMWDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.029 | 0.01 | 0.01 | t | 45643 | NQWKNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.01 | 0.01 | t | 146012 | SSPSTPLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.017 | -0.018 | t | 114985 | WVLLLGH QVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 133528 | CADQKPG EC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.042 | 0.041 | 0.047 | t | 15972 | FGEVFNAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0.003 | 0.002 | t | 23096 | GVPIELQV ECFTWDQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.009 | t | 113625 | LQVVRLD GNEIKRSA MPADA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.009 | t | 113625 | LQVVRLD GNEIKRSA MPADA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.009 | t | 113625 | LQVVRLD GNEIKRSA MPADA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.015 | 0.011 | 0.01 | t | 53758 | RFPRGQG VPINTNSG PDDQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.009 | t | 119803 | DLVLYNNA DGDFAIVH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 71285 | VTEEIVTEE IVTEEI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.02 | 0.022 | t | 6763 | CPFLKQNE PEDIDCW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.017 | 0.02 | t | 65520 | TPCSAEEE KLPISP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 118574 | RADWKKT VETQKSRI HA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.014 | -0.01 | -0.008 | t | 78708 | KLVEYCDF LTTFVHAK KKE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.008 | t | 78708 | KLVEYCDF LTTFVHAK KKE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.03 | t | 53107 | RAGRCPPR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.007 | -0.01 | t | 15918 | FFTEVDGV RLHRYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 133786 | CMTSPWR C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.043 | 0.04 | 0.042 | t | 111819 | TDLYCYEQ LNDSEEE DEID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.043 | 0.04 | 0.042 | t | 111819 | TDLYCYEQ LNDSEEE DEID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.033 | 0.04 | t | 123875 | YMESEKFI K | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.02 | t | 46927 | PARDVLCL RPVGAES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 122650 | YELNPDP RFLGCSTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.018 | 0.02 | t | 71324 | VTGHRMA WDMMQ NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.04 | -0.04 | -0.037 | t | 122741 | DWRDAEK CDIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0 | -0.013 | -0.01 | t | 69656 | VLMVPKQ G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.01 | -0.019 | -0.02 | t | 79053 | QLVNTNG SWHINRT ALNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.01 | -0.019 | -0.02 | t | 79053 | QLVNTNG SWHINRT ALNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.05 | -0.04 | -0.038 | t | 140938 | YLNATPAA KVLVEGNT DERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.025 | -0.021 | -0.018 | t | 142340 | YRPNWTV PEFTLDIFN ATYL | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.018 | t | 52088 | QQPFPQR PQQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.05 | 0.053 | 0.061 | t | 37040 | LKTQIDQV ESTAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.01 | 0.01 | t | 120953 | SLPLDTLLV DVEPKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.003 | t | 112584 | LPWNAFP GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.044 | 0.051 | t | 138244 | SSTIANT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.044 | 0.039 | 0.04 | t | 73024 | WREDWG QLSGTAVP PQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.02 | t | 69880 | VLYQAFDE MEECASH LPYIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.03 | -0.032 | t | 139248 | SFAGTVIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 99134 | DAEFRHDS GYEVHHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 24401 | HNQWNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.024 | 0.013 | 0.012 | t | 95318 | DLQVLAQ K | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.023 | 0.032 | t | 134685 | GVSSYMK VSICLPMD VE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.055 | -0.05 | -0.05 | t | 65848 | TQGCNCSI YPGHITGH RMAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.014 | 0.02 | t | 158669 | ADIKTALE ARKAADT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.017 | 0.021 | t | 134188 | PMSTPSAT SVR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.014 | t | 107229 | RHEVTEM GQEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.018 | t | 97494 | MGAKPTG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.012 | t | 110947 | MSTRSVSS SSYRRMFG GPGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.011 | 0.013 | 0.021 | t | 113993 | VHTGFGA MDFTTLQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.007 | -0.001 | t | 122538 | QELECDW EEVTTSGP CGEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0.014 | -0.001 | -0.002 | t | 156981 | YTSLPAPM QRLP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.007 | 0 | t | 118380 | GKPIPNPL LGLDST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.043 | -0.038 | t | 33232 | KRVKTWR M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.048 | -0.053 | -0.051 | t | 99488 | NAPQEIFI QQGRGYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.05 | -0.043 | -0.037 | t | 75884 | YSRQYSNR AAENFKAI RE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.001 | -0.011 | -0.012 | t | 38271 | LNLTTASV PMLRWYA ERFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.029 | -0.027 | t | 144940 | RHVLGRLI TVNPIVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.001 | 0.002 | t | 63309 | TECANLLL QYGSFCTQ L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.04 | -0.034 | t | 74138 | YHSSVVHD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 36999 | LKQKALGL LQTATKQA EAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.001 | 0.002 | t | 78659 | GEAPLSAC TSTSFPPPS PGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | -0.003 | 0 | t | 125561 | SSATMTQ DSRLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.012 | 0.01 | t | 12813 | EKMACLST LDVCMEN P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | -0.004 | -0.019 | -0.024 | t | 60474 | SQKIQLVN TNGSWHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.052 | 0.05 | 0.052 | t | 10525 | DTYEEVLE LAQE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.013 | -0.03 | -0.03 | t | 43396 | NCTLIDALL GDPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.004 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.013 | -0.003 | 0.003 | t | 59387 | SLPGQTKIL AKVfyGEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.008 | -0.01 | -0.009 | t | 97348 | GLFGAIAAG FIEGGW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.022 | -0.037 | -0.032 | t | 12137 | EGCKLSCFI RPSGYC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.034 | -0.04 | -0.037 | t | 133539 | CYKPGEW AC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.029 | t | 98835 | IRVLQRFD QRSRQFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.051 | -0.05 | t | 151033 | MAARVCC QLDPARD VLCL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.017 | -0.018 | t | 4059 | AQRVEFLL KAWAEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.023 | 0.029 | t | 112406 | YEYLINVIH AFQYV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | -0.003 | -0.002 | t | 53687 | RFDEGDLI AVPTGVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.022 | t | 130457 | CRQPGNN YC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.04 | -0.04 | t | 100628 | VRIYMKPK HVRVWC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.031 | -0.041 | -0.04 | t | 72281 | WCRIGHD RCGED | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.023 | 0.003 | 0.002 | t | 14035 | ERLYIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.012 | -0.008 | -0.01 | t | 67732 | VARDDKG RRYYLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.012 | t | 110855 | FNragtV GENVPDD LYIKGS | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0.004 | 0 | t | 22162 | GRPGAPG GSGSGPR HRDGVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.023 | -0.017 | t | 150853 | HIGGLSILD PIFGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 37757 | LLRSTSQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.029 | t | 134130 | LCSQNPPV LKRHQRE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.02 | t | 123511 | MPPMTQ AP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.05 | 0.029 | 0.03 | t | 29758 | KAAQIYSE P | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.05 | 0.029 | 0.03 | t | 29758 | KAAQIYSE P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 105070 | AEFDLDIT AGTEAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.01 | t | 131455 | GSCLEEFR ASPFLECH | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.019 | -0.023 | -0.019 | t | 99447 | LRGRAHV QVVSNG N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.01 | t | 57708 | SEYPSQPS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.041 | -0.04 | -0.038 | t | 124232 | GSITRDSIF RLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50099 | PYIEQAQV IAHQFKEKI LGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0.008 | -0.01 | -0.01 | t | 31023 | KGNQSFEEDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.023 | -0.019 | t | 26996 | ILDGDNLF PKVAPQAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.005 | t | 141539 | FSPAYLRD AALK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.01 | t | 123329 | IPPGAMPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.009 | -0.001 | 0 | t | 60544 | SQRTRDIYI SR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | -0.001 | 0 | t | 60544 | SQRTRDIYI SR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.01 | 0.018 | t | 116802 | PSQDPYSP SQDPDRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.032 | 0.04 | 0.04 | 0.042 | t | 156947 | QTKSECTE VCKNLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.033 | 0.04 | t | 123245 | GMLGSTP EE | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.016 | -0.01 | -0.008 | t | 139180 | NLNKTLVD LDWLNRIE TYVK | Felis catus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.014 | 0.01 | 0.01 | t | 22884 | GTVVAVG PGRWDE GE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.047 | -0.061 | -0.06 | t | 52322 | QSFRRLGA AL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.011 | 0.011 | t | 39404 | LSGRPVIV PDREVL YR EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.01 | 0.012 | t | 144622 | EDVGSNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.035 | -0.03 | -0.028 | t | 134656 | DSDMGR MGPI | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | -0.001 | 0.003 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.008 | t | 107853 | GFBGADGI AGPKGPB GER | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.02 | t | 127898 | YEENLGDS IV | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.002 | -0.027 | -0.03 | t | 103946 | GQKAKSN PNRPLVP RNPCR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | 0 | t | 159077 | RSKHNRRE GYKTQNG G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 119582 | GLQLIQLIN VDEVNQI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.011 | -0.019 | -0.02 | t | 58788 | SKARPYIE QAQVIAH QFKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.002 | t | 132763 | YMASLQM RGNPGSH F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.025 | 0.013 | 0.01 | 0.013 | t | 45221 | NNRAVPD KIDWRESG YVTE | Rattus rattus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.006 | -0.017 | -0.02 | t | 52061 | QQLIVKDA ER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | 0.001 | 0.002 | t | 136751 | YCWLRRQ AALQRRLS AMEKG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.058 | 0.06 | 0.063 | t | 131155 | YDEDENQ SPRSFQKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.006 | -0.001 | 0 | t | 28694 | ISQQPQQ PFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.039 | -0.04 | t | 156664 | GGTHSQW NKPSKPKT NM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.078 | -0.07 | -0.07 | -0.068 | t | 156942 | PWSKMHI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.03 | 0.02 | 0.02 | t | 140877 | KVQPYLDD FQKKWQE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.003 | -0.008 | t | 128070 | PGVSEDCL YLNVFIPQ NVAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | -0.007 | 0 | t | 151074 | YHHQNEQ GSGYAADL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 115938 | RDMP IQA FLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.03 | t | 127204 | TGH CQGD GYRVGFG Q | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.012 | t | 74479 | YKMFLHT GAVIVLPE DDLPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.013 | -0.01 | -0.008 | t | 61840 | STPSTPAD SSAHSTPS TPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.01 | t | 24592 | HQLDPAF GANSTNP DWDFNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.065 | -0.071 | -0.07 | t | 16139 | FHRSPSIRV VHH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | -0.007 | 0 | t | 135921 | EVGWYRS PF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.026 | t | 140657 | ATRLNNEV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.007 | -0.01 | -0.008 | t | 52821 | QVYLHGD KTKPMILT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.014 | 0.021 | 0.026 | t | 37757 | LLRSTSQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | 0 | 0.001 | t | 123734 | SFSKASNS WFPVEGP ADICQ | marmos ets |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.036 | 0.037 | t | 122956 | YYVFFEEQ EDEIIGFG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.013 | 0.02 | t | 112406 | YEYLINVIH AFQYV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.036 | 0.033 | 0.03 | t | 60441 | SQGISDDD NDSAVAEF FQSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.027 | -0.04 | -0.039 | t | 36961 | LKMADPN RFRGKDL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.023 | 0.03 | t | 132200 | CGNRGPSL RTTTVTG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.026 | -0.039 | -0.038 | t | 52476 | QTASGLVS MF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.03 | -0.032 | t | 13912 | EQQRYLN NFRFIELV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.003 | 0.01 | t | 122903 | SMAQDFC LQQCSRH Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.043 | -0.036 | -0.05 | -0.05 | t | 4504 | ASKLCLG WLWG | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.03 | t | 9982 | DRHFLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.009 | t | 138255 | TTLTLRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.025 | -0.03 | -0.029 | t | 16385 | FKIVFPIVA KKDFKYRG EGN | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.061 | 0.051 | 0.05 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | 0 | 0.002 | t | 66871 | TTTRQSITT MTNTGA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.052 | -0.04 | -0.036 | t | 145845 | KHKVRNE VMVHWF GD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.027 | -0.029 | -0.03 | t | 4763 | ASSAAEFL AAFNVFSE AARC | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.029 | 0.007 | 0.008 | t | 27758 | INTVDSNN LPIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.012 | t | 97368 | GTTYIRAIA ALEGLK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0 | 0.003 | 0.012 | t | 120624 | IKSGVATK GL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.007 | 0.002 | t | 122941 | VVKLLRDPI YVEV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.017 | -0.031 | -0.03 | t | 138840 | DREQAPN LVYM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.044 | 0.029 | 0.032 | t | 66060 | TRLNPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.01 | t | 4736 | ASRDKAFA VSKDLADK L | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.021 | 0.002 | 0 | t | 33107 | KRAASKVS ARLLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.071 | 0.07 | 0.071 | t | 118817 | GNGLGEK GDTSGPE GSGGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.019 | -0.019 | t | 137893 | HHNLLVGS VSGFYPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.033 | 0.035 | 0.037 | 0.041 | t | 55187 | RPKHPIKH QGLPQEV L NENL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.023 | -0.02 | t | 563 | ACHPLFDA RCGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.019 | -0.02 | t | 12847 | EKPTINITK PNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.032 | -0.043 | -0.042 | t | 111260 | ESDERGPI VKARKNM RQMVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.032 | -0.043 | -0.042 | t | 111260 | ESDERGPI VKARKNM RQMVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.011 | t | 45598 | NQNSKYIN YRDLYIGE KFI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 27805 | IPCTTYQQ TTAETVEEI DMH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.019 | 0.028 | t | 118552 | PKVTKDGV TVAKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.001 | 0 | 0.004 | t | 6456 | CITQYERES QAYYQRG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.002 | -0.01 | -0.009 | t | 67324 | TYDNECLL CAHKVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.002 | -0.01 | -0.009 | t | 67324 | TYDNECLL CAHKVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0.016 | 0.001 | 0 | t | 61485 | SSYGFQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.048 | -0.051 | -0.048 | t | 118337 | ERADLIAYL KKATNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | 0 | -0.01 | -0.01 | t | 132830 | GGIITQTP KFLIGQEG QKLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | -0.008 | -0.003 | t | 110933 | LQGNRINE FSISSFCTV VDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.025 | -0.02 | -0.018 | t | 134035 | DTSLEEAK TQGPYDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | -0.003 | 0 | t | 74129 | YHPDVPYV KR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0.007 | t | 115613 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.018 | -0.01 | -0.01 | -0.008 | t | 71212 | VSVTDHKK WQFNSPF VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.045 | -0.051 | -0.05 | t | 76190 | YTTRRWLV SMCSQGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | 0.001 | -0.002 | t | 14230 | ESPEHCSP HHTA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.06 | -0.06 | -0.058 | t | 135452 | CLKDRHDF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0.004 | t | 145841 | KEDFRYAIS STNEIGLLG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.005 | -0.015 | -0.011 | -0.01 | t | 66312 | TSLNLQKD EPNGRAS DTAGQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.057 | 0.058 | 0.05 | 0.049 | t | 111062 | YEQLNDSS EEEDEIDG PAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50100 | PYIEQAQV IAHQFKEK VLGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 133372 | SPSPTPTP GPSRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.003 | -0.02 | -0.022 | t | 113010 | GRVSTEVD ARLSFDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.026 | -0.027 | -0.032 | t | 22922 | GVATKGL NVHGKSS DWG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 51827 | QFPQPQ LPYPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.017 | -0.021 | t | 139945 | VSNVRGD LQVLAQK AERALP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0 | t | 21814 | GPVEDAIT AAIGRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.021 | -0.019 | t | 120869 | PGYRSISG PDPRIRKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.01 | t | 112931 | DATTNPSL ILAAAQM | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.008 | t | 49529 | PSTLQTPG SSSGASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.046 | -0.053 | -0.052 | t | 105872 | ICTASFKK NIGRNRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | -0.003 | 0 | t | 73542 | YDEPLTPG QC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.026 | 0.009 | 0.01 | t | 49388 | PSGQTAD WYTIGVY | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.008 | t | 149403 | PCKSNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.021 | t | 135915 | EEVGSILY LGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.009 | t | 140614 | WCEADY RCP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.017 | -0.014 | t | 58999 | SLAGTHGL VSFLVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.05 | 0.039 | 0.038 | t | 81131 | DLFHVNG RDTMNNI VDENKY | Aotus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.029 | t | 108846 | DALQFVC GDRGFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.034 | 0.033 | 0.033 | t | 50502 | QDPDNTD DNGPQDP DNTD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.032 | -0.03 | -0.03 | t | 40075 | LTPAWRIY STGNNVF Q | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 101324 | TSI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.047 | -0.04 | t | 118141 | SKGRRFKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.033 | -0.028 | t | 75411 | YPSGAWY YVPLGTQY T | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 56259 | RVEAQLH VWIPPLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.01 | -0.02 | -0.02 | t | 139398 | YGCDVGP DGRLLRGH DQYAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.01 | -0.02 | -0.02 | t | 139398 | YGCDVGP DGRLLRGH DQYAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.021 | t | 63754 | TFTMDGD TMTMLTE STFKNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.009 | -0.008 | t | 51083 | QIINTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.017 | -0.03 | -0.03 | t | 110251 | GKVEVEG HLIDLKRV VL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0.001 | t | 31002 | KGLNGLFD LGPKQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.054 | 0.04 | 0.041 | t | 9520 | DNNQTSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.049 | t | 105894 | KCNTATCA TQRLANFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.023 | -0.03 | -0.028 | t | 138837 | CSSWYRG AC | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.023 | -0.021 | t | 107016 | YHVPAVG QGW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.008 | -0.023 | -0.021 | t | 107016 | YHVPAVG QGW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.011 | -0.01 | t | 97547 | PFVPRADE PARKGKV H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.045 | -0.05 | -0.047 | t | 652 | ADDVILHT PGCVPC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.017 | -0.018 | t | 49637 | PTGQIHW GNLSKIGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.011 | 0.011 | t | 28374 | IRQLDTSV ERRALGEI QNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.011 | 0.011 | t | 28374 | IRQLDTSV ERRALGEI QNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.013 | 0.012 | t | 44043 | NGPADSG DALLERNY PTGAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.023 | -0.028 | t | 119537 | TRKALTQN T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.078 | -0.08 | -0.078 | t | 120077 | LMRYWAN FAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.027 | -0.028 | t | 38956 | LQQATRQ AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.04 | -0.043 | -0.04 | t | 130509 | HKKDFAR GPGWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.04 | -0.043 | -0.04 | t | 130509 | HKKDFAR GPGWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.014 | -0.021 | -0.022 | t | 94929 | SRASDARA AHLPTGTP LDID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.039 | t | 153362 | APWSLRD HLAVTGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.014 | -0.018 | t | 55846 | RSGGCVG GQYCLTPT H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.017 | -0.01 | t | 117010 | IRTDESTKR LPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.003 | t | 7491 | DAEFRHDS GYEVHHQ K | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------|
| 1 | 1.00 | 1 | 1 | 0.07 | 0.062 | 0.07 | 0.07 | 0.072 | t | 156947 | QTKSECTE VCKNLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.023 | 0.019 | 0.02 | t | 35248 | LDPAFRAN TANPDWD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.029 | -0.02 | t | 135639 | AVPFPCGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0 | t | 107427 | GRGDSVA YGLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.013 | 0.001 | 0.002 | t | 45272 | NNTTGNP KL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.007 | -0.001 | t | 119466 | IRGERA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.03 | 0.013 | 0.01 | t | 72255 | WAQPGYP W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.043 | -0.043 | -0.057 | -0.052 | t | 156950 | RGPMFF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.014 | t | 51346 | QLFTFSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.016 | -0.01 | t | 142167 | GLRRDLDA SREAKKQV EKAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.016 | -0.017 | -0.018 | t | 157724 | NNIKSSICD IPPKG | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.023 | -0.02 | t | 70725 | VRGGLRIL SPDRKRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.016 | 0.01 | t | 75203 | YNPLYGSR LGVPDTLG GDPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | -0.003 | 0 | t | 106742 | QRRQIEAG LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.022 | 0.03 | 0.032 | t | 31295 | KIKNGDLT KELNKTRQ EL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.037 | -0.03 | t | 112971 | FGAEILKKI PGRVST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.061 | -0.05 | t | 118284 | DAYVLLSE KKISS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | -0.003 | 0.001 | t | 125573 | TFRSNDSY FHQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0.001 | t | 60170 | SPNVSVPS SSSTPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.028 | t | 1448 | AGAPDRA RGQYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.039 | -0.043 | -0.038 | t | 47294 | PEGRTWA QPGYPWP LYGNEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.027 | -0.03 | t | 63058 | TCDQVKG RKALIACLA PDRR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.011 | t | 131830 | AVAEELPH RP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.031 | -0.029 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.031 | -0.029 | t | 67325 | TYEAALKQ YEADL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.033 | -0.03 | t | 149041 | FLHTRLFV SDWYNTP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | -0.003 | -0.017 | -0.021 | t | 115638 | QDGDQAP EYRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.003 | -0.017 | -0.021 | t | 115638 | QDGDQAP EYRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.014 | t | 96455 | KGKNVLIN KD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.031 | -0.03 | t | 66811 | TTSDVAGL EKDPVAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.029 | 0.031 | t | 61317 | SSRGKVVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.003 | -0.009 | t | 144609 | DEKLRDYI WN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.01 | -0.003 | -0.01 | t | 127918 | AERHFQA PEPLNWT GSWDAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 130986 | NPIENMM DRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.01 | -0.013 | -0.007 | t | 130606 | SCTVYGKT PLCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.018 | 0.001 | 0.002 | t | 74422 | YIYPYRYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 118611 | SQALQELIS ELDRRCHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.031 | t | 120197 | SEHETRLV ANLLENYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.031 | t | 120197 | SEHETRLV ANLLENYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.031 | t | 120197 | SEHETRLV ANLLENYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.017 | 0.01 | 0.011 | t | 64411 | TIPAQGTS M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.032 | -0.04 | -0.04 | t | 106453 | GHWRGA NATS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.01 | t | 21760 | GPRLGVRA TRKTSERS QPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.022 | t | 110081 | VWTRAELI GAFG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.007 | 0.012 | t | 130613 | SSYCLRSV CLSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.017 | -0.01 | t | 130964 | MADRAAL EELVRLQG AHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.101 | t | 115517 | TMARHPH PHLSFMAI PPKKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.008 | 0.013 | 0.02 | t | 112842 | SSKRGRQT PVLYAML DHSRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.012 | -0.019 | -0.02 | t | 13481 | ENHSPVNI AHKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.031 | -0.03 | t | 53474 | REDNSSRC WVALTPTL AARN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0 | t | 40152 | LTRILTIPQ SLDSW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.02 | 0.025 | t | 123016 | AIYENEIHA LWADLP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0 | t | 107427 | GRGDSVA YGLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0 | t | 107427 | GRGDSVA YGLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.009 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.003 | 0.01 | t | 118431 | ISDAMKKV GRKGVITV KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.043 | 0.04 | 0.04 | t | 139900 | SNAPNSPS SSAIAAAA AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0.001 | 0.003 | t | 61589 | STEQNVP DPQVG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.031 | -0.031 | t | 46434 | NVNELRFN IGQFLPP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.033 | -0.032 | -0.03 | t | 142226 | LRRDLAS REAKKQLE AEQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.001 | t | 78971 | FGANST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.013 | -0.009 | t | 45390 | NPLGLKRG IEKAVEK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.003 | t | 121997 | VPKGKKGK ADAGKEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.001 | -0.02 | -0.021 | t | 1478 | AGDRAGD R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.014 | t | 138254 | TPTIM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 63122 | TDAYNQKL SERRAN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 43317 | NATAEGR AINRRVE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.058 | -0.06 | -0.059 | t | 79890 | KRPGSSP MEVML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.058 | -0.06 | -0.059 | t | 79890 | KRPGSSP MEVML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.022 | -0.031 | -0.028 | t | 48878 | PPPQGRR RFGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.02 | t | 2975 | ALVNIPI SNLA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.01 | -0.009 | t | 123734 | SFSKASNS WFPVEGP ADICQ | marmos ets |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.014 | -0.023 | -0.02 | t | 47333 | PEKPHFPL AAEDDIRH H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.013 | t | 38948 | LQPGVDIIE G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.029 | -0.04 | -0.039 | t | 18801 | GATVELLS FLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.011 | t | 122712 | ADPEGPLP FPYFERQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.02 | -0.018 | t | 102930 | WPYFKTYS Y | Mus musculu s |
| 1 | 1.00 | 1 | 0 | -0.03 | -0.03 | 0.013 | -0.03 | -0.02 | t | 75429 | YPWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.042 | -0.049 | -0.048 | t | 78246 | PPLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.039 | 0.014 | 0.018 | t | 96114 | ASFAEAPF SN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.033 | -0.03 | t | 149120 | TFTRVVTD VYRPRLS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.01 | -0.01 | t | 107375 | GDDNLAP NTANVQ MT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 127643 | ERPLELRV RVLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.045 | -0.026 | -0.037 | -0.038 | t | 95499 | KIVAPVKQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.004 | -0.01 | -0.01 | t | 92794 | GENKRPN DKAGEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 127926 | AKKGEKVP KGKKGKA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.03 | -0.03 | t | 53822 | RGAKRM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.01 | -0.01 | t | 51834 | QPGDDPLL | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.01 | t | 57709 | SEYQSQPPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.052 | 0.049 | 0.04 | 0.04 | t | 58397 | SHQHTDSNPSAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.049 | 0.04 | 0.04 | t | 58397 | SHQHTDSNPSAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 50101 | PYIEQGMHLAEQFKQKALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.034 | 0.027 | 0.03 | t | 139829 | MKERESQIRDEYDHVLSA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.007 | -0.008 | t | 98699 | APKPAPQPGPQPQP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.016 | t | 20836 | GLFGAIAGF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.004 | -0.013 | -0.01 | t | 158749 | FAEDVGSNKGAIIGLM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.049 | 0.033 | 0.028 | t | 51806 | QPELAPEDPED | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.053 | -0.063 | -0.06 | t | 133789 | CYRSPWRC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 118538 | NNGNLQLRKEVTWEVLEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.03 | 0.031 | t | 133531 | CDTLKPGE C | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.022 | -0.02 | t | 10983 | EAAAPVVE SKWRAL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.05 | -0.05 | t | 135947 | KTGHPRYF NQLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | -0.001 | t | 113570 | KKAVTKA QKKDGKS AAHRKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.023 | -0.04 | -0.039 | t | 247 | AAKGTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.007 | 0.002 | t | 136745 | WGPCGQ GAILLVNC DRDNLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.007 | 0.002 | t | 136745 | WGPCGQ GAILLVNC DRDNLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.048 | -0.053 | -0.05 | t | 53195 | RARGRGR GRGEKRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.008 | t | 104305 | THQDIDFLI EEIERLGQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.009 | -0.01 | -0.01 | t | 100279 | LNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 134767 | QDPYVKE AENLKKYF NAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.04 | -0.04 | t | 140598 | SLISDEWP RW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.006 | -0.003 | 0 | t | 54425 | RKSITKGP GRVIYAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.02 | -0.02 | t | 78416 | HPWWTW VSDPNAT QP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.006 | -0.001 | 0.002 | t | 52478 | QTASRQA EV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0 | -0.01 | -0.01 | t | 32070 | KLPDDFM GCVLAWN TRN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.029 | -0.028 | t | 96370 | IAAQKPKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.012 | t | 25335 | IALDGKIKH EDTNLASS TII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.02 | t | 2609 | ALHQALQ DPRVRGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.02 | t | 2609 | ALHQALQ DPRVRGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.004 | -0.011 | -0.009 | t | 56195 | RTTPDRQ AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.03 | t | 136056 | DGKKWQT YRGNSTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.006 | 0.009 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.006 | 0.009 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.001 | -0.011 | -0.011 | t | 38271 | LNLTTASV PMLRWYA ERFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 4225 | ARQPYGFF LETEEVYQ PG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.036 | 0.031 | 0.029 | t | 133733 | VKTLLPYG SVINYGY VKPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.021 | -0.02 | t | 20650 | GKNRAIN MLKRGLP R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.006 | 0.01 | t | 136004 | TTPEEIAQ VATI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.029 | 0.02 | 0.02 | t | 100384 | PKQQDSL PDTKASG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0.002 | 0 | 0 | t | 31522 | KKEHEAEN DKLKQQR DTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.041 | -0.039 | t | 144786 | SMNRGRG THPSLIW M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.06 | t | 119522 | RSLKTKLPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.013 | -0.009 | t | 35331 | LDVVCAMI EGAQGAL ER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.006 | -0.003 | 0.002 | t | 1464 | AGDDDL GDLNGDD RR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | 0 | -0.02 | -0.02 | t | 37793 | LLSHSNLD HI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 30636 | KETNNAIS FMSNAGS LEKK | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.014 | -0.029 | -0.032 | t | 30041 | KCAFATTP VCQF | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 50084 | PYFEQGM QLAEQFK QKALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.049 | -0.057 | -0.058 | t | 114985 | WVLLLGH QVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.059 | 0.047 | 0.049 | t | 115538 | VESLSSEE SITRINKKIE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.048 | -0.055 | -0.06 | -0.061 | t | 73433 | YARFMDT DPDRYGIL PSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.07 | -0.069 | -0.07 | t | 46354 | NVDPNAN PNANPNA NP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.009 | t | 61398 | SSTKNLIYT STLCELNV TGF | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.012 | t | 146813 | DAEFGHD SGFEVRH QK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.011 | 0 | 0 | t | 24215 | HLGLMAM DHLPW | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0 | -0.01 | -0.01 | t | 120418 | AVGTYNTR KYDC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.02 | 0.027 | t | 112123 | GERGAAGI AGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.041 | -0.03 | t | 118491 | LKVGLQVV AVKAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 135957 | LSSRPGGC SAVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.013 | 0.01 | t | 70878 | VSALEDKL AD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.009 | 0 | 0.012 | t | 134343 | DLYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | -0.002 | 0 | t | 7059 | CSQHCPYI EQGMML AEQFKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.003 | 0.009 | t | 132365 | HKYSWKS WGKAKIIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.013 | -0.027 | -0.022 | t | 156951 | RLLYGS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.049 | 0.041 | 0.04 | t | 60545 | SQSAPYIE QAQIAAQ QFKDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.041 | 0.04 | 0.04 | t | 1470 | AGDLESSV DDPRSEED KRFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.047 | -0.05 | -0.049 | t | 66553 | TTCSDKSR PLNDLVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.046 | 0.034 | 0.031 | t | 27451 | IMASKTVG TAEKEL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.007 | 0.009 | t | 106871 | SSSSGSGS GA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.019 | t | 112958 | ELRPELSW LGHE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.016 | -0.007 | -0.008 | t | 21685 | GPLGSAD AGRQDLP RRVVRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.028 | t | 30261 | KDTLRITYL T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.019 | -0.021 | -0.018 | t | 6713 | CNNPHRIL DGINC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.023 | -0.021 | t | 99262 | FYSNAPQE IFIQQGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.008 | -0.02 | -0.02 | t | 63604 | TEYYLNHG KWPEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.03 | t | 105851 | GTAPFEIH ANRIVGFF SKII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.011 | 0.012 | t | 39404 | LSGRPVIV PDREVLRY EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.003 | 0 | 0.002 | t | 52822 | QVYLNGD KTKPVTLT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.032 | 0.03 | 0.03 | t | 48823 | PPLLESWK DPDYVPPV VHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.027 | 0.02 | 0.021 | t | 159288 | LLHYSTISQ DNLDISFG ELQ | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.009 | 0 | 0 | t | 100408 | QDSLPTDK ASGPAH | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.01 | -0.009 | t | 105967 | MKRGLTV AVAGAAIL VAGLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.066 | -0.07 | t | 139482 | DSPGSGN ARPNNPD W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.029 | t | 4907 | ATCDKLFG YYERGIPLP CAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.01 | -0.023 | -0.02 | t | 73245 | WWHLPR DSPLPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.02 | -0.03 | -0.033 | -0.031 | t | 134172 | NHTVGVL ASAHR | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.003 | t | 137942 | PGSEYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.003 | -0.001 | 0.001 | t | 55389 | RQAESSEA MAAWSER AGEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.037 | -0.04 | -0.04 | t | 1437 | AGAGRRV G | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.02 | t | 125175 | NNNNFQS KAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 118164 | STKQAAFK AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.053 | -0.049 | t | 117544 | KFRFLALKL YFSFTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.043 | -0.053 | -0.049 | t | 117544 | KFRFLALKL YFSFTRP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.008 | t | 62852 | TAGHGAY GITSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.03 | -0.028 | t | 79299 | LRYVVWA DDW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.019 | 0.01 | 0.011 | t | 47449 | PEVEAALK LMEKREY | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.03 | -0.043 | -0.042 | t | 22693 | GTHSWDH PHHSYC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.033 | -0.03 | t | 118805 | GGNGGGI GGGMGG GVGIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.042 | 0.023 | 0.02 | t | 49137 | PQTTKPKE VPTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.01 | t | 4459 | ASHPLGRC LSHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.022 | 0.017 | 0.013 | t | 122408 | IHDRKSGK KFSIEEALQ SGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.019 | -0.018 | t | 72088 | VYLLPRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.008 | 0.004 | -0.011 | -0.01 | t | 111130 | AVDTGVL GTSYPPSA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 130787 | EDFDIYDE DE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.021 | -0.01 | t | 104126 | MNKTFWF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.003 | 0.01 | t | 118431 | ISDAMKKV GRKGVITV KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.02 | -0.018 | -0.031 | -0.03 | t | 72524 | WGVLAGI AYF | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.011 | t | 94832 | GLFGNNE NQTKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.038 | -0.04 | t | 135972 | PRRPGGLG GSGG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.012 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.016 | -0.029 | -0.03 | t | 39697 | LSTGLIHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.04 | t | 48758 | PPAYSCLC PWAHM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.036 | -0.043 | -0.042 | t | 105826 | GGLRILSP DRKRRQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.011 | t | 15383 | FDFASGLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.002 | -0.01 | -0.011 | t | 15383 | FDFASGLD | MD |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.02 | 0.022 | t | 38627 | LPPSRDEL | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.04 | -0.049 | -0.05 | t | 1790 | AHKWYSQ WLPHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.02 | -0.03 | -0.032 | t | 93007 | INNGLPPI QNTRNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.016 | -0.031 | -0.032 | t | 83200 | HPPSYVYS QFEKSYRH KR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | -0.004 | -0.001 | 0.001 | t | 40281 | LVASNWW NRQIERSS RTLGL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | -0.001 | 0.001 | t | 40281 | LVASNWW NRQIERSS RTLGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.004 | -0.001 | 0.001 | t | 40281 | LVASNWW NRQIERSS RTLGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.007 | 0.002 | 0.003 | t | 157283 | FTNRRCD S NATNAR | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.016 | 0.013 | 0.012 | t | 114746 | ASQKRPSQ RSKYLATA STMD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 159130 | SRLEHLM WESIQKEL N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.061 | 0.057 | 0.051 | 0.055 | t | 136550 | PIMTQGSL YNDS | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.034 | -0.04 | -0.037 | t | 133539 | CYKPGEW AC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.045 | -0.044 | -0.039 | t | 102564 | KKRPKPGG GWNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 130599 | RQGEEVY MWRDSTM PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.043 | -0.04 | t | 247 | AAKGTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | -0.003 | 0 | t | 53676 | REWARRN GHNVSTR GRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.003 | t | 3693 | APPPPEHR GGPEEFEG AGDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.02 | t | 78450 | LILNQMA NFSLLPSF DTLLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | -0.008 | t | 73114 | WTANGDY KSKGDKPV YEPGF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.002 | -0.01 | -0.009 | t | 64328 | TIIPYIGPA LNIGNMLY K | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.01 | -0.009 | t | 64328 | TIIPYIGPA LNIGNMLY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.002 | -0.01 | -0.009 | t | 64328 | TIIPYIGPA LNIGNMLY K | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.011 | -0.01 | t | 142449 | NNQNLSV VQALL | Mus musculu s |

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|---|------|---|---|------|------|-------|--------|-------|---|--------|--------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.073 | 0.06 | 0.063 | t | 111235 | EEEGQQE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 156480 | YKEQDFTP VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 156411 | QGNQDSF TPVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 136304 | GARGLTG RPGDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 152051 | PVVNSLDP PLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 136219 | FEEYGKIDT IEIIT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 136303 | GARGLTG RPGDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 132067 | SLVLTNLNEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 131903 | GVMAARG QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 122127 | KRSRLDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 133787 | CQALVRM LAKKPGW K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 133776 | AGDLSKVD AKQPGDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 133822 | ERPLKQIA FNGGLEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 130987 | NPVENM MDRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 132064 | SLLGQLSG QV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 133841 | GRGN GDP GGGMEKD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 119475 | KKIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 119508 | QFIGYPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 133900 | NEHPVFAY LKDKLP | Homo sapiens |

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|---|------|---|---|------|------|------|--------|------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 133921 | QLELTEG MRFDKGYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 132029 | QLGPTCLS SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 133795 | DFTYDQV AFNGLPQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 132100 | TLPTPVVQ L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 131878 | FLMLVGG STL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 131952 | LLPDPSAP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 132099 | TLNELPNR T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 131978 | MLVGGST LCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 119457 | GLELPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 119506 | PIVET | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 133798 | DKIRGEG MRYIIILD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 131891 | GLETNFT A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 119478 | KNDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 119474 | KIRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 101054 | MASPGSG FWSFGSE DGSGDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 117015 | KEQFLDGD GWTSRWI ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 107745 | ARGAQGP PGATGFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 107828 | ERGLKGHR GFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0 | t | 63098 | TCRRMLAF LKDKENR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.002 | 0.01 | t | 110824 | EDEIDGPA GQAEPDR AHYNI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.007 | -0.01 | -0.01 | t | 136685 | TLFTPDKS PAKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.007 | -0.01 | -0.01 | t | 136685 | TLFTPDKS PAKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.001 | 0 | t | 31165 | KHWIGRL MWWNQ YT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | -0.003 | 0.001 | t | 58382 | SHLQLIYNL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.047 | 0.033 | 0.029 | t | 118148 | SQEGRTTK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | -0.003 | 0 | t | 95086 | GMLEASE GLDGWIH Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.042 | 0.033 | 0.03 | t | 122497 | NGSSESRR ALQDSQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.033 | -0.032 | t | 77843 | AYSPTGLV WHPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.041 | 0.043 | 0.042 | t | 1470 | AGDLESSV DDPRSEED KRFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 119274 | MNRWAL GNLACDL W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.04 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 128079 | PSPDITSTT KTRNFDLV NCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.025 | t | 106690 | NSDHFLQP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.047 | 0.021 | 0.02 | t | 30151 | KDGEGA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.028 | t | 133705 | SSKTRSGF VHLVGPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.031 | 0.033 | t | 131050 | RRAEITHP GMMLASG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.017 | -0.01 | t | 97852 | ADEWGPL RTVRKKAE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.013 | -0.027 | -0.02 | t | 136138 | APYDTPW PSPSL | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.075 | -0.07 | -0.067 | t | 117173 | TYFSKNYQ DYEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.058 | -0.069 | -0.07 | t | 62065 | SVCGPVYC FT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.001 | 0.003 | t | 130600 | RRLPKGVK HLKDFPILP GEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.015 | 0 | 0 | t | 127983 | FTNFKFKIR KITNFDRV N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0 | t | 127983 | FTNFKFKIR KITNFDRV N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.023 | -0.02 | -0.018 | t | 95366 | ETDNGPV HVHAEFSG LKAGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.012 | t | 481 | AAVDSSKA ALTSKLDA AYKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.007 | 0 | 0.001 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.045 | 0.029 | 0.031 | t | 9520 | DNNQTSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.028 | -0.02 | -0.019 | t | 141056 | MSDGAVQ PDGGQPA VRNER | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117531 | IELKNGTQ VHGTITGV DVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.016 | -0.02 | t | 133263 | NSSPEYPR KEFASST RGRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.009 | 0 | 0.001 | t | 113534 | IDVDVSKP DLTAALRD VRQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.009 | 0 | 0.001 | t | 113534 | IDVDVSKP DLTAALRD VRQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.03 | t | 69203 | VKEAIDRR LHFKVEVK PASF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 123282 | HACQKKLL KFEALQQE EGEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 125209 | QFQIHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 122915 | THKANPSP EPNMHEC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 122562 | RRQPHVV SQW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 127857 | TDVRYKD DMYHFFC PAIQAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 127856 | TDVRYKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.004 | t | 12375 | EHWSYGL RPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.017 | 0.003 | 0.002 | t | 157810 | QRELKMV VAQS | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 143673 | DRANLGT L RGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.039 | 0.027 | 0.03 | t | 110433 | TGGKPGIA GFKGEQG PKGEP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.016 | 0.007 | 0 | t | 98443 | SEAETRGIT GYNPLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.016 | 0.007 | 0 | t | 98443 | SEAETRGIT GYNPLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.019 | t | 49498 | PSRSLPLPP LLSPPRFH PPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.046 | 0.031 | 0.032 | t | 67557 | VAEAEGG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.015 | -0.007 | -0.012 | t | 38437 | LPDSEPTK TNGKCKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 110434 | TKYPLLKLL GSTWPTT PPRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.02 | -0.022 | t | 19713 | GGEGERGG KGGRGAA K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 119823 | EDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 116757 | KFDVPCG GRDCSGG CQCY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 41571 | MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 11571 | EEEDDDM GFGFLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 11872 | EESDDDM GFGFLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 11872 | EESDDDM GFGFLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 7756 | DDDMGFG LFD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.003 | -0.019 | -0.02 | t | 63082 | TCKKNM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.021 | 0.021 | t | 68808 | VGTTDRSG APTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.001 | 0 | t | 11417 | EDPQYHEE WVTAAVE RTIPV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | -0.001 | 0.01 | t | 118276 | AVEEGIVL GGGCA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.018 | -0.02 | -0.02 | t | 40579 | LVSFGVWI RTPPAYRP PN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0 | t | 36595 | LILDSSSLH GWR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.019 | t | 125185 | NSSSSQFQ IHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.013 | t | 124730 | SMDRIEKD RLQGMAP AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.023 | t | 130623 | TSDVEVNE KKERVTEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.01 | -0.01 | t | 89966 | VGAEYDFS KRTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.01 | -0.01 | t | 89966 | VGAEYDFS KRTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.019 | 0.024 | t | 133545 | DRGDQST DYGIFQIN SR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.028 | -0.043 | -0.039 | t | 38325 | LNRADIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.013 | -0.012 | t | 43171 | NAILGPR WNLNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 94738 | WAICKRIP NKKP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.009 | -0.02 | -0.019 | t | 32072 | KLPDHVRT KG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.021 | -0.02 | t | 110587 | GARGLTG RPGDAGP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 58768 | SIYPGTITG HRMAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.001 | -0.001 | t | 48870 | PPPPSSPT HDPPDSD PQIPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | -0.007 | 0 | t | 63096 | TCRNMWS GT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.019 | -0.023 | -0.019 | t | 99225 | EREEDWR QPREDWR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.036 | -0.05 | -0.048 | t | 108285 | ARGLTG GRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.043 | -0.04 | t | 149120 | TFTRVVTD VYRPRLS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.019 | t | 142441 | LFSPWLRV QNHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.028 | 0.021 | 0.022 | t | 153382 | FAENKGD HFSPGGG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.009 | -0.004 | t | 52817 | QVWIPPL NVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | -0.003 | 0 | t | 38937 | LQPFQPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.011 | 0.003 | -0.002 | t | 47750 | PGSPAPPP PEHRGGP EEFEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 135988 | RTALLDAA GVAS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.007 | 0.011 | t | 9915 | DQVDVKD CANHEIKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | -0.003 | -0.002 | t | 60632 | SRDEKERE RFSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.012 | 0.009 | 0.01 | t | 48846 | PPNSGGV NTIQLYQT KTAQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.027 | 0.029 | 0.031 | t | 55389 | RQAESSEA MAAWSER AGEA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.009 | -0.008 | t | 11441 | EDSITIPYQ GSGKGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.02 | 0.01 | 0.01 | t | 1578 | AGKNQSQ KKKK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.094 | 0.073 | 0.07 | t | 38490 | LPGADT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | -0.003 | 0 | t | 24315 | HLVEKGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 134141 | LLMPPKYH PKEPYVTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 134141 | LLMPPKYH PKEPYVTR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.046 | -0.056 | -0.06 | -0.058 | t | 50164 | PYRLWHY PCTIN | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 96457 | KGTVNLT WSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.007 | -0.023 | -0.022 | t | 107035 | YTTRRWLV SM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.063 | 0.049 | 0.05 | t | 141859 | ASSNSAQ GSDESLIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.027 | -0.028 | t | 848 | AEDAAEIS VP AEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.007 | 0.009 | 0.011 | t | 55389 | RQAESSEA MAAWSER AGEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.035 | 0.023 | 0.02 | t | 111341 | GGGTPRR PGKEIEAY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.04 | -0.053 | -0.052 | t | 65102 | TLTSHFG KC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.021 | -0.01 | t | 118275 | ATVLARSI AKEGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.01 | 0.014 | t | 9477 | DNIHVKM FKVIENND KSELI | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.027 | -0.04 | -0.038 | t | 140033 | HDFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.073 | -0.07 | t | 149107 | SLAPRFPW LNPLDGW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.01 | t | 113805 | RFFSGDRG APKRGSGK DSHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.01 | 0.011 | t | 120696 | KLLLDYTG KINPGGYT CCPD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 140459 | EHWSHD MFSPGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.05 | -0.048 | t | 65408 | TNRHNP HLHHV | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.003 | -0.019 | -0.022 | t | 13969 | ERCKMMP GMTGSAA LVCPM | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.031 | -0.03 | t | 22401 | GSLAAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.074 | 0.053 | 0.05 | t | 2925 | ALTGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 138194 | IIPKSSWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 144742 | PFYGYRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 110762 | AGSSIVPLE EYPAEIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 110862 | GGPTLVSL HELPAETP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 75723 | YSEMKRAS LTPVLKEK PYY | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 48093 | PKKPNE LKPNE | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 56771 | SAFDDNLT AANAMGL ILNKR | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 42014 | MLNISML QTVMMM TPQK | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 58975 | SKYSNTFNI NAYNMVI RRSM | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 50932 | QGPGAPQ GPGAPQG PGAPQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 50930 | QGPGAPQ GPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 42761 | MTDVIRYR YSNNYEAS DHIS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 51125 | QIPYNLKIR AGGLDGG KKLV | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 48858 | PPPPNPN DPPPPNP ND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 41727 | MIKAAFLP TGAFMAD RYKSH | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 42758 | MTDVIRYR YSNNYEAI DHIS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 58975 | SKYSNTFNI NAYNMVI RRSM | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 42776 | MTDVNR WRYVNNY ESNPHKS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 41175 | MAYGSDD NDDKNKS LDHKHN | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 30636 | KETNNAIS FMSNAGS LEKK | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 14819 | EVLYLLDLA GVYRSLKK QLE | Aotus nancyma ae |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 17210 | FNNIPSRY NLYDKML PLDD | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 23465 | GYSLFQKE MKTLNEG TSGTA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 32370 | KMNMHLE NVPWIMN KQNLFK | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 9757 | DPRVRGLY FPAGGSSS GTV | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 7503 | DAEVAGT QYFHPSGK SPVFG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 9722 | DPPPPNP NDPPPPN PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.01 | -0.01 | t | 37759 | LLRTAPGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.01 | -0.01 | t | 37759 | LLRTAPGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 117829 | EKVKRTKD ELEVIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.019 | t | 120677 | KHPEVKSA IEGIKYI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.063 | 0.05 | 0.05 | t | 8916 | DKKTEETT LLEDRL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.026 | 0.017 | 0.024 | t | 49535 | PSTPGSRQ NM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.023 | -0.02 | t | 66947 | TVARATM QFTGLFTR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.042 | -0.051 | -0.05 | t | 68632 | VGATPERP RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.027 | 0.012 | 0.01 | t | 53689 | RFDKGYIS GY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.043 | 0.043 | t | 6650 | CMENNSG WKVSLNY GEIIW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.047 | 0.04 | 0.043 | 0.043 | t | 6650 | CMENNSG WKVSLNY GEIIW | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.039 | -0.04 | t | 65971 | TQWQVLP CSFTTLPAL STGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.058 | -0.06 | -0.058 | t | 79890 | KRPGSSP MEVML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.058 | -0.06 | -0.058 | t | 79890 | KRPGSSP MEVML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 38810 | LQAMRKY SPFRNGY MEPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 47984 | PISLLFNEK EADDNDH EPQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.014 | -0.03 | -0.03 | t | 46757 | PACYCYGV PDHIKVVW | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 105079 | AFNHFGK RLIQR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.018 | 0.02 | t | 19511 | GFDEMEECASHLPYIEQGMQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 79449 | VCPTSEILAGATCR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.03 | t | 79009 | KTWCDAWCG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.007 | 0.011 | t | 135906 | DALAVDQMGRFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.043 | -0.04 | t | 149042 | FLHTRLLFRIVSYSG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0.001 | t | 121064 | WKHWVYYTCCPDTPYLDITY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.001 | -0.011 | -0.01 | -0.01 | t | 12122 | EGAGGKLGKQTDIAGTGLT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | -0.001 | t | 129881 | SETAAPAAPAPAEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.009 | -0.01 | t | 48168 | PKVQSLVSDFFGGKELNCSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.003 | -0.009 | -0.01 | t | 48168 | PKVQSLVSDFFGGKELNCSI | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 109767 | QPLKEQPALNDSRYCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.048 | -0.048 | t | 106442 | GDLKRTTGGGC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.013 | -0.009 | t | 70305 | VPGIDPNAHYMKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.049 | 0.05 | 0.051 | t | 156546 | STEDSGLTGKVDSSS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.026 | -0.03 | -0.03 | t | 17572 | FRDLTWCI NPPERIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.029 | -0.03 | t | 37304 | LLFVGVL FLLPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.008 | -0.02 | -0.022 | t | 89849 | VAFNRFH VGTHPAP GKTNLY | Aotus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.04 | 0.041 | t | 98867 | LEENAGGE QEERGQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.024 | -0.04 | -0.04 | t | 113989 | VFILGPLRL LG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.024 | -0.04 | -0.04 | t | 113989 | VFILGPLRL LG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.013 | 0.02 | t | 132080 | SRDDDME TKRQEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.01 | 0.012 | t | 50931 | QGPAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.037 | 0.013 | 0.01 | t | 58752 | SIYAAEK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.004 | t | 114125 | HYGSLPQK SQRSQDE NPV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.033 | t | 143328 | DEGDTDLY DYYPEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.014 | 0.029 | 0.039 | t | 136062 | FGISETQA EAILE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.03 | 0.03 | t | 68167 | VEEQEQE QEEQEEQ ELE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0.001 | t | 47986 | PISLVNLST ASSAPPTR VRR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | -0.001 | 0.001 | t | 64843 | TLIDINGKT KSVFFEYNI R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.003 | -0.01 | t | 96385 | IFDNFLITN D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.01 | -0.003 | -0.01 | t | 96385 | IFDNFLITN D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.002 | t | 60023 | SPDVDLG DISAINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.002 | t | 60023 | SPDVDLG DISAINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.002 | t | 60023 | SPDVDLG DISAINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.047 | -0.05 | t | 57512 | SELCIGSVC TFWTRMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0 | -0.007 | -0.002 | t | 130223 | VGYKEKSK FQDTHNN AHYYV | Cricetulu s migrator ius |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.03 | 0.019 | 0.019 | t | 82528 | GAATPYSG EDSPFDM TLGEE | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.026 | 0.017 | 0.01 | t | 97918 | AYSNANKE CQKLLQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.003 | -0.001 | 0 | t | 67445 | TYRATYQD FD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.028 | 0.017 | 0.023 | t | 33294 | KSDNNVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0.003 | t | 71353 | VTHESYQE LVKKLEALE DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.039 | 0.037 | 0.041 | t | 72178 | VYVEELKP TPEGDLAIL LQK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.033 | 0.02 | 0.02 | t | 105879 | IISCDEGVG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.042 | t | 25647 | IDPSFYWA PCRFSHC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.051 | t | 63808 | TGDPKPKK NKKPKNPT PPRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 117569 | LKYYLAPKI EDEEGS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.027 | -0.02 | t | 123615 | PPMGRGA P | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.02 | t | 52689 | QVESTAGS LQGQWR G | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.02 | t | 52689 | QVESTAGS LQGQWR G | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.043 | -0.042 | t | 20770 | GLARTTAD RQTACNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 57089 | SCESPSWI VQYWLRC WV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 75723 | YSEMKRAS LTPVLKEK PYY | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.009 | t | 104171 | PGSGFWS FGSEDGSG DPE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.003 | t | 39164 | LRPGPVSQ PYHHWDT DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 133663 | PNKHQRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.009 | t | 1367 | AFNQFGP NAGQR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.008 | -0.001 | 0 | t | 50427 | QDAATPY HPPATPN N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.021 | t | 138785 | LPQNVWL HGWHT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.031 | 0.033 | 0.033 | t | 118776 | EADYFEYH QEGGPDG EPDVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.023 | 0.031 | t | 140701 | LNEDLRS WTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.032 | -0.034 | -0.04 | -0.04 | t | 61516 | STAIHADQ LTPAWRIY | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.032 | -0.034 | -0.04 | -0.04 | t | 61516 | STAIHADQ LTPAWRIY | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.007 | 0.001 | t | 144648 | GDSKLLTIT QSEPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.014 | -0.01 | t | 135905 | CLFDRRLC SHLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.016 | -0.003 | -0.002 | t | 28349 | IRNVNNLA RT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.03 | -0.04 | -0.043 | -0.041 | t | 134268 | WRRLLGRP VFPTA | Rattus rattus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.03 | -0.03 | t | 100319 | NASSELHL LGFGINAE NNHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.014 | -0.018 | t | 75203 | YNPLYGSR LGVPDTLG GDPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.027 | 0.031 | t | 73893 | YFSIFNTEL SQSNIEER YK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.028 | 0.027 | 0.031 | t | 73893 | YFSIFNTEL SQSNIEER YK | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.013 | 0.01 | 0.011 | t | 78353 | CPSVKNGI EINCCTTD RCNN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.022 | t | 133178 | KNFVKPNE TKTYFWK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.033 | 0.04 | t | 132727 | VTNEVHT WTEQYKF Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.046 | -0.05 | t | 29757 | KAAPKRAA PKRAAPKK AAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.02 | t | 131412 | ERGLRYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.009 | -0.009 | t | 137829 | DWTFQTL VMLETVP R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.056 | 0.044 | 0.04 | t | 27451 | IMASKTVG TAEKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.05 | -0.053 | -0.05 | t | 18500 | GAAALRA HVSGRRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.045 | 0.05 | 0.053 | t | 125015 | DNESSYSR GFDMTYT E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.008 | -0.013 | -0.01 | t | 48383 | PLKPTKRS FIEDLLFNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | t | 114946 | SEYPKPCD TA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.031 | -0.039 | -0.04 | t | 58077 | SGHRMA WDMMM NW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.005 | -0.013 | -0.01 | t | 136079 | QVLLP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.019 | t | 120869 | PGYRSISG PDPRIKKT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.004 | 0 | 0 | t | 42667 | MSSFLGK WKLSESH NFDAVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 156547 | TAPENEQT SAPSKTTLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 156545 | PTTTVPNT TNKYSTSP S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.01 | t | 112739 | YTTGAVR QIFGDYKT TICGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.008 | t | 39224 | LRTGKKLE LDATNAPA PANG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.008 | t | 39224 | LRTGKKLE LDATNAPA PANG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.052 | -0.05 | t | 110880 | GYRGRSSI RTGVKRPA VSKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.056 | -0.05 | t | 118562 | PTKVVRTA LLDAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.01 | t | 113082 | LVEEAIA YGRKLGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 122933 | VEGTDAA GRRVTNTK VLRCP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.01 | t | 53758 | RFPRGQG VPINTNSG PDDQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.07 | 0.08 | t | 98902 | MENSAEP EQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.033 | -0.047 | -0.05 | t | 27391 | ILTYIAADH CPVVEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.033 | -0.047 | -0.05 | t | 27391 | ILTYIAADH CPVVEV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.01 | 0.012 | t | 11815 | EENVEENV EENVEENV | Aotus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.01 | -0.03 | -0.032 | t | 69001 | VIKAIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.03 | t | 102680 | NMYAMLI ARYKMFP EVKEKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.014 | -0.023 | -0.02 | t | 66412 | TSSANGG GIFNSVFG GMKNN | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.047 | -0.042 | t | 117212 | HGTITGVD VSMNTHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.033 | 0.03 | 0.037 | t | 40070 | LTNSKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | -0.003 | 0 | t | 44314 | NIPYKISAS TNCATVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.035 | 0.019 | 0.02 | t | 16874 | FLRFLTIPP T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0 | t | 35530 | LEIVPNSAE ERL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | -0.003 | 0 | t | 78169 | GKHGKEIKI T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0 | t | 44904 | NLTQHPSA PTMP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.017 | 0 | -0.003 | t | 110837 | ERSLSLLNC EEIKSQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.011 | 0.011 | 0.012 | t | 39403 | LSGRPAVV PDREVL YR EFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.032 | t | 118077 | QEMPLTA LLRNLGK MT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.012 | -0.019 | -0.021 | t | 110817 | DSTLRLCV QSTHVDIR TLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | -0.001 | t | 106905 | THTYSPAP FTLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.032 | -0.041 | -0.03 | t | 118313 | EALSTLVL NRLKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.031 | 0.035 | 0.033 | 0.034 | t | 38203 | LNEKEIKDL YDNQSNS GIL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 126331 | ISLRPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.046 | -0.041 | t | 58378 | SHLLKPQT RTRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.011 | -0.009 | t | 62328 | SVSLPYAN LATH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | -0.001 | -0.002 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.024 | 0.031 | t | 157280 | FSGFDAEF LADA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.01 | t | 121116 | AAVELKVE DPFYWINP GV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.001 | t | 134220 | RQGAEPR KNFVKPNE TKTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | -0.001 | t | 134220 | RQGAEPR KNFVKPNE TKTY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.027 | t | 144940 | RHVLGRLI TVNPIVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.009 | t | 103830 | CHAVKVG NPSC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.021 | -0.02 | t | 131101 | TDSEMDV VRFDDDN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.019 | 0.02 | t | 98436 | SAGTGGA DLPTDLPP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.035 | -0.04 | -0.04 | t | 78749 | MPKTRRR PRRSQRKR PPTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.036 | t | 133701 | SRNKHKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.034 | 0.019 | 0.021 | t | 39092 | LRGDLQVL AQKVARTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.034 | 0.019 | 0.021 | t | 39092 | LRGDLQVL AQKVARTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.012 | -0.017 | -0.01 | t | 125318 | WWYDKK DNTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.017 | t | 122136 | LGRGGSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.013 | -0.03 | -0.033 | t | 114132 | KSHGRTQ DENPVVH F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.018 | -0.013 | -0.03 | -0.033 | t | 114132 | KSHGRTQ DENPVVH F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.01 | t | 38826 | LQDPRVR GLYLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.02 | 0.028 | t | 62335 | SVSSFERFE IFPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.006 | t | 54689 | RLNPVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.01 | 0.01 | t | 10869 | DYEDRYR EN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.05 | 0.04 | 0.042 | t | 21249 | GMAGQTT PQVETEDT K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.03 | 0.02 | 0.02 | t | 140838 | DEPPQSP WDRVKDL ATVYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.011 | t | 793 | ADVTITVN GKVVAKP C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.063 | -0.07 | -0.069 | t | 137452 | SHTFPPSW LLVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.024 | -0.03 | t | 75539 | YQQQGRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.012 | t | 76287 | YVGPLTQT LYGM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.017 | -0.018 | t | 3815 | APSLPAGY L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.033 | -0.047 | -0.052 | t | 62264 | SVNPKMV R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.038 | -0.03 | -0.03 | -0.027 | t | 136392 | IPKSRKRRI PQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.014 | -0.017 | -0.009 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.031 | -0.03 | t | 24657 | HQVFGAIIY GAAFSGVs | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.039 | 0.03 | 0.032 | t | 117214 | KGEQGEP GA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.017 | 0.01 | 0.01 | t | 123283 | HAEQKKLL KFEALEQE KGKE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.041 | -0.04 | -0.04 | t | 134784 | RKRSQML FRGRRASQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.012 | -0.023 | -0.021 | t | 110948 | MVTSDAQ IFNKPYWL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.017 | -0.01 | t | 118653 | VHFFANIV TARTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.099 | t | 117232 | SAPDTRPA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.03 | -0.02 | -0.017 | t | 95127 | PDITFTVT MRRRTLYY GLNL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.018 | 0.02 | t | 48067 | PKGFYAEG SRGGSQAS SR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 136631 | SHDGASSK IRPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.052 | 0.031 | 0.03 | t | 53336 | RDEVDFCV GLNSFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.05 | 0.043 | 0.053 | t | 134770 | QIFNLFSTK DSSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.053 | -0.05 | -0.047 | t | 115271 | GQKGRGS RG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.023 | 0.01 | 0.01 | t | 65631 | TPLDDTNP MENYFH WG | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.02 | 0.02 | t | 20329 | GILESRLGIK ARITHVDT ESY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.046 | -0.041 | -0.04 | t | 21950 | GQRTKTN ARTRKGPR KPIKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.023 | -0.02 | t | 38628 | LPPTAPPLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.021 | -0.031 | -0.028 | t | 52466 | QTADWYT IGVYVIG | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.061 | -0.05 | t | 103932 | GKLPPPI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.009 | 0.01 | t | 22884 | GTVVAVG PGRWDEDE GE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.053 | -0.052 | -0.06 | -0.061 | t | 110920 | KPSPWAP KKHRRLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.041 | -0.04 | t | 150970 | AVPADHG AHLSLRGL PVCAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | -0.001 | -0.001 | t | 60786 | SRRNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.011 | 0.012 | t | 37641 | LLPAADM DDFSRQL QNSM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 23465 | GYSLFQKE MKTLNEG TSGTA | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 136010 | VMIKSLPA LNSPTVEE C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.027 | -0.03 | t | 121034 | VHPDTGIS SKAMGIM N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.011 | 0.007 | 0.011 | t | 99609 | RFSTRYGN QNGRIRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.03 | 0.019 | 0.019 | t | 82529 | GAATPYSG EPSPFDEV LGEE | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.011 | -0.009 | t | 3568 | APGICIDV DNEDLFFI ADK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.037 | -0.038 | t | 11208 | EAVEAERA GRGTG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.037 | -0.038 | t | 11208 | EAVEAERA GRGTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 125789 | CQGDGYR VGFGQCA G | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.02 | -0.023 | -0.02 | t | 78238 | PHTNRSH Q | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 117525 | GVPIEKIYN KTQREKFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.01 | t | 136078 | QQKKEGPI PPDAQNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.007 | -0.01 | t | 47533 | PFNQWPD Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.02 | t | 4037 | AQPREPGS YTNVFDHL DWIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.059 | -0.07 | -0.07 | t | 65562 | TPERPRLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.017 | 0.03 | t | 78505 | RLGDYLID QGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.011 | -0.01 | t | 142409 | DTRIAQQI WLRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.011 | t | 9613 | DPDKDVDI MVRDGQL TIKAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.001 | 0.002 | t | 106533 | IEFRHGLN RTNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.029 | 0.021 | 0.022 | t | 94936 | SVFHQNG QVTEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.007 | -0.007 | -0.01 | t | 43219 | NALYPMS PLLQECLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | 0.001 | 0.002 | t | 17466 | FQDLSDNP CKVDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.07 | -0.07 | t | 130487 | FCQPHLSC YILP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 96457 | KGTVNLT WSR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.03 | t | 131764 | YAIAWHQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.023 | -0.02 | t | 70725 | VRGGLRIL SPDRKRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.018 | 0.008 | 0.01 | 0.011 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.026 | -0.04 | -0.038 | t | 52476 | QTASGLVS MF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.001 | -0.014 | -0.016 | -0.01 | t | 109649 | PAGQAEP DRAHYNIV TFCK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.027 | -0.021 | t | 53244 | RAWAYM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.02 | t | 105749 | EGFGSGG AI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.021 | 0.027 | t | 25795 | IEEVALSTT GEIPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.053 | -0.05 | t | 149119 | TFMRVVT DVYRPRLS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.003 | t | 38657 | LPQRQKK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.002 | t | 121877 | SSEESGLP KLPVPPLQ QTLA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 108898 | EIDGPAGQ AEPDRAH YN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.003 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.014 | 0.003 | 0 | t | 47449 | PEVEAALK LMEKREY | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.047 | -0.04 | t | 60274 | SPSYDIRVP RGW | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.061 | 0.05 | 0.05 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.061 | 0.05 | 0.05 | t | 41660 | MHGDTPT LHEYMLDL QPETT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.027 | -0.03 | -0.03 | t | 4763 | ASSAAEFL AAFNVFSE AARC | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.017 | -0.018 | t | 17535 | FQSMRKH TPYRNGCL EPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.023 | 0.019 | 0.02 | t | 67214 | TVWRNRE TLMEFEFP HATKQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.047 | -0.047 | -0.049 | t | 118827 | GSGPRHR DGVRPQ KRPSCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.085 | -0.067 | -0.083 | -0.089 | t | 108640 | SRCQVCM RRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.02 | -0.029 | -0.03 | t | 12862 | EKRFAKCP LCNTPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.012 | 0.001 | 0 | t | 11543 | EEDEREISV PAEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.03 | 0.017 | 0.012 | t | 127982 | FSHFIRSG NPYPYEF SRKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.01 | -0.023 | -0.03 | t | 128083 | QFLGVPYA APPLAERH FQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.01 | -0.023 | -0.03 | t | 128083 | QFLGVPYA APPLAERH FQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.04 | -0.05 | -0.05 | t | 1792 | AHLHIPR WNLMS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.016 | -0.03 | -0.03 | t | 132767 | YRDKSYPS PFWCHRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.033 | -0.038 | t | 113514 | HHPARTA HYGSLPQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.039 | -0.037 | -0.029 | t | 122553 | RGWKHW VYYTGGPT TPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.027 | 0.013 | 0.012 | t | 157810 | QRELKMV VAQS | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.01 | t | 45512 | NPVRASVL RYDDFHT DEDKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.056 | 0.043 | 0.051 | t | 134758 | PESPSKLAS A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.012 | -0.007 | -0.01 | t | 43435 | NDFHFEVF NFVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.013 | -0.01 | t | 6697 | CNIGGLGN NTLICPTD CFRK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.023 | -0.02 | -0.018 | t | 57307 | SDVININIY NPCVVPNI NNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.03 | t | 16132 | FHPPSSNQ CESTPIIA MDAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.011 | t | 28322 | IRIPKYKND GIQNYIHN EY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.027 | 0.03 | t | 107154 | GKRPSCTG CSYELAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.019 | -0.02 | t | 71710 | VVIVGHIEL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | -0.004 | 0 | t | 74129 | YHPDVPYV KR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.029 | -0.031 | -0.03 | t | 67263 | TWHLPSH HSRRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.019 | t | 137893 | HHNLLVGS VSGFYPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.017 | -0.018 | t | 60259 | SPSLNLAS VPKTSTPP GEKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.052 | -0.069 | -0.071 | t | 71325 | VTGHWRC P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.008 | t | 29879 | KALTGLST GTSQNTRI SLRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.012 | -0.003 | 0 | t | 135921 | EVGWYRS PF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.013 | -0.01 | t | 67324 | TYDNECLL CAHKVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0.003 | t | 71212 | VSVTDHKK WQFNSPF VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.008 | -0.019 | -0.021 | t | 141558 | RTLQNYK ATHGNTV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.027 | -0.018 | t | 131982 | NHLQGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.033 | -0.032 | t | 75579 | YRAKEGRC KA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.026 | -0.03 | t | 103891 | ERSQPRGR RQPIPKAR RPEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.04 | -0.04 | t | 589 | ACRAAK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.01 | 0 | 0 | t | 93172 | KTSLWKE MQYNRDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.009 | -0.01 | t | 52478 | QTASRQA EV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.023 | -0.019 | t | 70620 | VQNTVED LKLNTLGR | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.04 | -0.042 | -0.012 | -0.037 | -0.028 | t | 68870 | VHMIKPP WVGRLLS G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.037 | -0.041 | t | 110760 | ACKDSDW PFCSEDE WDWPFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.004 | -0.01 | -0.005 | t | 94566 | KKTTTKPT K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.033 | 0.02 | 0.02 | t | 58688 | SIRGRASS DIY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | -0.004 | 0 | t | 122497 | NGSSESRR ALQDSQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.001 | -0.01 | -0.01 | t | 26314 | IGRFCAQ MHSNNGP Q | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0.001 | t | 108066 | PGRNNSPL GADSVQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.007 | 0.001 | t | 108066 | PGRNNSPL GADSVQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.018 | 0.003 | 0.002 | t | 65158 | TLYLGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.036 | -0.05 | -0.052 | t | 87807 | RDATAYPS AKTPSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.088 | -0.079 | -0.089 | -0.09 | t | 120810 | MVNKSR MMPAV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.033 | 0.019 | 0.02 | t | 142006 | SDSAQGS DVSLTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.012 | -0.013 | -0.009 | t | 99757 | VIVKVSKE HVEELTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.017 | -0.018 | t | 59425 | SLQTYVTQ QLIRAAEIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 115399 | NMAINPS KENLCSTF CKEVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.018 | t | 95036 | RTCMTTA QGTSMPY SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.018 | t | 95036 | RTCMTTA QGTSMPY SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.003 | 0.008 | t | 119649 | SYCEIIVTH FPFDQQN CT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.009 | -0.009 | t | 78936 | AWDMM MNWSPTT ALV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.034 | 0.017 | 0.017 | t | 68322 | VEQKHIQK EDVPSERY LGYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.023 | 0.01 | 0.01 | t | 66058 | TRLNFEDA G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | -0.003 | -0.002 | t | 144680 | GYPADSK GGGGLPD SVKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.023 | 0.03 | t | 123243 | GLSRISYDP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139525 | ISSQTNDT HKRDTYA ATPRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 139525 | ISSQTNDT HKRDTYA ATPRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.005 | -0.02 | -0.02 | t | 137749 | DTQLTYAG LKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.011 | 0.01 | t | 42060 | MLSKYSLPI VEEPEDYK EAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.008 | -0.007 | -0.008 | t | 19630 | GFTKTCGG PPCNIGGL GNNT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 74762 | YLLARGHD PAFVHMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.027 | 0.013 | 0.012 | t | 95747 | QVLAQKV A | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.027 | 0.013 | 0.012 | t | 95747 | QVLAQKV A | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | -0.003 | 0 | t | 78170 | GKHGKEV KIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0 | 0.01 | t | 125576 | THPVT DPI AHPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.04 | -0.051 | -0.05 | t | 20173 | GHPRTAEL LGML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.005 | t | 111051 | VGP LEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.02 | 0.033 | 0.043 | t | 78256 | QYPALTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | -0.001 | 0.003 | t | 47669 | PGGPDRFT LLTPGSH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | -0.001 | 0.003 | t | 47669 | PGGPDRFT LLTPGSH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | -0.001 | 0.003 | t | 47669 | PGGPDRFT LLTPGSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.032 | 0.02 | 0.02 | t | 121020 | TYDGTKVS ISPESDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.02 | t | 121020 | TYDGTKVS ISPESDR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.017 | -0.01 | t | 141715 | NLDHI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.03 | t | 46381 | NVGIMFR GKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.003 | 0.001 | t | 19512 | GFDHGLTP FDNY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.003 | -0.017 | -0.01 | t | 136727 | VNWNSW HKTNLS | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.02 | 0.03 | t | 11882 | EESPLGFS PE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 53758 | RFPRGQG VPINTNSG PDDQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.015 | -0.009 | -0.008 | t | 59749 | SMSHRTM SIVNSYVN DVMER | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.086 | 0.068 | 0.068 | t | 98747 | EEEEDEDE EEEGSNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.068 | -0.073 | -0.08 | t | 134792 | RSPSPTPT PGPSRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.13 | -0.128 | -0.12 | -0.123 | -0.128 | t | 144823 | YWEGSGI GAI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.075 | -0.081 | -0.08 | t | 16139 | FHRSPSIRV VHH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.026 | -0.04 | -0.039 | t | 100554 | THARHLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.037 | -0.038 | t | 94651 | PTCWAICK RIPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.008 | t | 73430 | YAQYMSR AYAFLGE DPGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0 | 0.003 | 0.001 | t | 73763 | YESNHLIDL SRYASKINI G | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0.003 | 0.001 | t | 73763 | YESNHLIDL SRYASKINI G | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.034 | 0.023 | 0.019 | t | 66219 | TSGITGDN TTTSSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.04 | 0.026 | 0.03 | t | 8900 | DKILVQAN EAETTTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.037 | -0.038 | t | 113838 | SADLDQFP LGRKFLQ AGLK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.05 | -0.05 | -0.05 | t | 131701 | THHINNM KPSFTREN T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.009 | -0.01 | t | 49557 | PSVYawe RKKISNCV AD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.026 | -0.019 | t | 107510 | LMVGGVV IA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.062 | -0.059 | -0.061 | t | 9826 | DQAQRPA VASRRRPT TAG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0.002 | t | 101412 | WIRNNF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.018 | -0.027 | -0.022 | t | 107201 | LIVPEGAR TSLN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.011 | -0.01 | t | 142390 | CGRLRSEL PRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.016 | 0.011 | 0.011 | t | 3295 | ANGAGNQ PPGEDGA GNQPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.003 | -0.001 | 0.001 | t | 40319 | LVEKPNLS SKRSELS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 133536 | CKPVENRA C | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.018 | t | 29375 | IVNRRTSFF NLGPSQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.011 | t | 43191 | NAKATYEA ALKQYEAD LAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 108898 | EIDGPAGQ AEPDRAH YN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.017 | -0.013 | t | 144324 | GVSTITAD EIR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.017 | 0.019 | t | 158604 | PVGPWTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.012 | -0.021 | -0.018 | t | 79923 | LVCGIAAK LGAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.043 | -0.04 | t | 149042 | FLHTRLLFR IVSYSG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.04 | -0.041 | -0.039 | t | 138232 | RLTSSLRY NP | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.007 | 0.012 | t | 48681 | PNNDFHF EVFNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.033 | -0.047 | -0.053 | t | 111033 | STYDRDN DGWLTSD PRKQCS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0.003 | t | 67170 | TVSTEQNV PDPQVGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.012 | 0.016 | 0.017 | t | 122721 | CSNSSSQ FQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.03 | 0.021 | 0.02 | t | 10677 | DVNAIDIE EPSGQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.025 | -0.04 | -0.042 | t | 22507 | GSSGYCA WPACYCY G | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.025 | -0.04 | -0.042 | t | 22507 | GSSGYCA WPACYCY G | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.013 | 0.019 | t | 119655 | TTEAVVAD KPEKEKA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.056 | 0.043 | 0.053 | t | 134758 | PESPSKLAS A | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.021 | t | 119495 | MAENGD NEKMAAL EAKICHQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.022 | 0.021 | t | 57988 | SGAVILLEF IPEIAIPVL G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.02 | 0.01 | 0.01 | t | 24419 | HNYYNKIQ TAAH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.03 | 0.007 | 0.008 | t | 31559 | KKGVITQV KY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.03 | 0.007 | 0.008 | t | 31559 | KKGVITQV KY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 122885 | QVAALTW VQTHIRGF GGDPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.012 | t | 115702 | DEAELPSRI SPGKNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.021 | -0.017 | t | 1536 | AGGSGRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.016 | 0.018 | t | 96964 | TKAAEKQ MKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | 0.003 | 0.002 | t | 13659 | EPHSNPA DLLPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.068 | 0.057 | 0.061 | t | 98094 | HGSEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.03 | -0.04 | -0.04 | t | 79840 | GKDLKRP GSSPME | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.003 | t | 6883 | CQIYPPNA NKIREALA Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.017 | -0.01 | t | 118146 | SNLDHILE PSIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.019 | -0.02 | t | 9733 | DPQARVAI KSLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.017 | 0.003 | -0.003 | t | 110834 | EQLKGQG KSRLGDLY EEEMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.008 | t | 28074 | IPSTACTDI AWVRLPC HYG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.007 | -0.01 | t | 34040 | KVIDTLTC GFADLMG YIPLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.033 | 0.041 | t | 78286 | TTAETLDA TR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0.014 | 0 | 0 | t | 18583 | GAGDVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 78183 | ITDNHGH VKW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | -0.002 | t | 14353 | ETEDTKEP GVLMGGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.01 | t | 31072 | KGTHSLYS QIAGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.017 | t | 107891 | HRLAFGQY T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.025 | 0.031 | 0.031 | t | 76584 | YYQSGLSI VMPVGG QSSFYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.026 | 0.027 | t | 131651 | SEGTGQAL ASPGSCLE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.017 | -0.02 | t | 58121 | SGLPGTRG GSGVPGPI NPPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.029 | -0.028 | t | 96228 | EGLLKLL DTLENML K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.002 | 0.008 | 0.01 | 0.012 | t | 156977 | YGAPEITK DGYKVIKSI K | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.008 | 0.01 | 0.012 | t | 156977 | YGAPEITK DGYKVIKSI K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.019 | 0.019 | 0.022 | t | 140248 | KAGETIYDI DEDGTITK KD | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 | t | 114961 | TDGVTYD NEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.08 | -0.07 | -0.066 | t | 140939 | YNIALGQR RADA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.02 | 0.007 | 0.002 | t | 127981 | FRRAVLM GGGALSPA AVISH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.007 | 0 | t | 122538 | QELECDW EEVTTSGP CGEES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.013 | -0.01 | t | 9446 | DNEEPIAP YHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.047 | 0.037 | 0.041 | t | 115594 | AQRPQDE N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.047 | 0.037 | 0.041 | t | 115594 | AQRPQDE N | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.027 | -0.019 | t | 116685 | CPAGWISL WKGFS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 71216 | VSWFAST GGRDSKID VWSLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.022 | -0.029 | -0.03 | t | 1439 | AGAHWG VLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.068 | -0.06 | -0.06 | -0.057 | t | 136358 | HMRKRTKI KKIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.039 | -0.037 | t | 153382 | FAENKGD HFSPGGG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.039 | -0.04 | -0.039 | t | 11372 | EDKRDGN N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.023 | 0.03 | 0.036 | t | 124588 | PQEETLQA FDSHYDYT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.013 | -0.003 | 0.004 | t | 59387 | SLPGQTKIL AKVfyGEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.004 | -0.007 | t | 8785 | DISQLTQAI VKNHKNLL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.013 | -0.03 | -0.033 | t | 111030 | SRGSEGFF SPMLGEFV SETE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.039 | -0.041 | t | 57540 | SELSPLLLT TTQWQVL PCSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.027 | 0.02 | 0.021 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.031 | 0.027 | 0.02 | 0.021 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.02 | 0.021 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 100548 | TDNTKINR GI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 119620 | NPDDYGG VK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 12208 | EGKVSTLP LDIQIIAAT MSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | -0.01 | t | 12208 | EGKVSTLP LDIQIIAAT MSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.043 | -0.039 | t | 58378 | SHLLKPQT RTRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | -0.008 | t | 122135 | LDSRRSYR VRESGLNG VVKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0.007 | t | 138198 | KPTSTLT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.004 | t | 56771 | SAFDDNLT AANAMGL ILNKR | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.024 | 0.013 | 0.01 | t | 95497 | KIIAPAKQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.041 | -0.041 | -0.04 | t | 31046 | KGQKPNLL DRLRHRK NGYRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.057 | -0.05 | t | 123383 | KMWSDFL GK | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.006 | -0.02 | -0.022 | t | 52745 | QVMFDFA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.002 | t | 72476 | WGILSRAA TNSGWVG LIPHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.032 | -0.039 | -0.038 | t | 63895 | TGMQSW VPLSTDDP V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 105942 | LSADQIST VQASFDK VKGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.044 | 0.029 | 0.032 | t | 66061 | TRLNPDLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.049 | 0.03 | 0.033 | t | 62641 | SYLPQLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.054 | 0.037 | 0.039 | t | 75274 | YPEEVVEE VVPEEVVE EVVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.009 | -0.01 | t | 10495 | DTTIMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.002 | -0.003 | 0 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.021 | t | 131141 | VRRLAME NNIKLSEV VGSG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.05 | 0.05 | 0.06 | t | 59717 | SMMTELL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.027 | 0.017 | 0.02 | t | 33754 | KTLEAILSFARRGTI | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.021 | -0.019 | t | 116080 | ATGGTLQQLFYISIVGQV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.02 | t | 6487 | CKIPFEIMDLEKRHVLRGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.072 | t | 127602 | ATARRKRRWATRGPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.019 | t | 17262 | FPCDRLSGYWERGIPSPCVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.011 | -0.01 | t | 64010 | TGYRYDSRTGFFATN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.023 | 0.019 | t | 136073 | LSKNNAIEPRSFQNSRHPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.041 | -0.043 | -0.038 | t | 33233 | KRVKTWRMHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 57541 | SELSQL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.019 | -0.015 | t | 39977 | LTITQLLKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.011 | 0.013 | 0.02 | t | 102323 | ATTSPARENYFMRWLSDLRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.02 | -0.019 | t | 127242 | TRVPMDAFQVGKFPEDFESC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 143677 | DRVNLRKLRGYY | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.049 | 0.04 | 0.04 | t | 60545 | SQSAPYIE QAQAIAQ QFKDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.037 | -0.03 | -0.025 | t | 25140 | HWSYGLR PG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.013 | -0.008 | t | 32847 | KPQGPLP NTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | -0.011 | 0 | t | 118430 | ISDAMKKV GRKGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.01 | 0.011 | t | 122626 | VDVPNGR GDSLAYGL RS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.037 | -0.041 | -0.038 | t | 39914 | LTGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.007 | 0.001 | t | 102564 | KKRPKPGG GWNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.026 | 0.009 | 0.011 | t | 136009 | VLVGEKGL FEGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.006 | 0.006 | 0.012 | t | 30289 | KEAESVCA PIMSKIYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.023 | -0.021 | -0.02 | t | 73983 | YGDNAGRI LAGALAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.03 | t | 105718 | DPSIMAKF TQFAGKDL ESIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.01 | t | 135847 | YPAIVETGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.023 | -0.021 | -0.021 | t | 40167 | LTSGHLKC RVKMEKL QLKGT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.008 | -0.021 | -0.02 | t | 63604 | TEYYLNHG KWPEN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 15352 | FCVDPTKG GKKAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.03 | 0.04 | t | 115939 | RELEELNV PG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.004 | -0.003 | t | 46317 | NTWTTCQ SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.012 | -0.02 | -0.019 | t | 110948 | MVTSDAQ IFNKPYWL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.112 | -0.105 | -0.109 | -0.11 | t | 96175 | DFRWYGP KYITHSIRS FTPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.016 | -0.003 | 0.001 | t | 110286 | HSLGKLLG RPDKF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.023 | 0.032 | t | 123979 | CGTAKRVT GNQAV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.031 | t | 10323 | DTDVLLLN NTRPPQG NWFGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.021 | t | 131759 | WTLFFQN GKVKVFQ GNQDSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 122947 | WTQEPQP LEEKWQH RVVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 65050 | TLRVYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.026 | -0.03 | -0.03 | t | 3574 | APGLPWA LQGKRRG A | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.023 | -0.03 | -0.028 | t | 138837 | CSSWYRG AC | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.023 | -0.02 | t | 49683 | PTKKPTFK TTKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.051 | -0.06 | -0.06 | t | 135989 | RVLAPHLT RAYA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 102069 | SKSSITITN KRLTRKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.048 | -0.03 | -0.021 | t | 73199 | WVIKPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.031 | t | 132856 | LEDGRTLS DYNIQKES | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.052 | -0.06 | -0.06 | t | 34925 | LAPVPPPA TRRRRAVP I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.03 | -0.028 | t | 79298 | LQWLWE WPRT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.01 | t | 119657 | TWNDTYG SNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.003 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.01 | t | 21429 | GNGAGGQ PAGNGAG GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.023 | 0.029 | t | 117334 | NANNGNL QLRNKEVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.028 | -0.029 | -0.028 | t | 49557 | PSVYawe RKKISNCV AD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.014 | -0.01 | t | 104586 | NRVAPNV RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.019 | -0.04 | -0.04 | t | 31021 | KGNPEMV D | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.05 | -0.05 | t | 135983 | RLRPPEPR PRDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.003 | t | 104443 | DAEFRHDS GYE | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.003 | t | 104443 | DAEFRHDS GYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.003 | t | 105021 | VHHQKL VFFAEDVGS NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 136056 | DGKKWQT YRGNSTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.034 | -0.031 | -0.03 | t | 75802 | YSLRLTPRP VSRFLGNN SIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.009 | -0.009 | t | 47910 | PIGVPSQV VYVPPAYI DMPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.011 | t | 153499 | WSWQPPL FPTDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.021 | t | 119663 | VIVELIPST SSAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.01 | -0.021 | -0.02 | t | 33797 | KTNNSYIP PLTW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.023 | -0.02 | t | 70725 | VRGGLRIL SPDRKRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 27431 | ILYQQFDE MEECSRHI PYLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | -0.003 | 0 | t | 700 | ADLAAVQ KTNAANQ AAYQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.019 | -0.027 | -0.03 | -0.028 | t | 59807 | SNDVSWH EWKRMYN KEYNG | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0 | -0.011 | 0.023 | 0 | 0 | t | 133961 | WIYQNF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.061 | -0.067 | -0.068 | t | 99012 | SPNQHTP PWMLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.04 | -0.05 | -0.05 | t | 1790 | AHKWYSQ WLPHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 138241 | SQPEILED ARASVDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.057 | 0.043 | 0.05 | t | 117288 | FGDFNLPR DKFLKEQI KLDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.012 | t | 126900 | QVAALTW VQTHIRGF GGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.042 | -0.047 | -0.042 | t | 119642 | SEHETRLV ANLLENYN KVIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.041 | -0.038 | t | 48390 | PLDRWK APDYVPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.001 | -0.017 | -0.019 | t | 23032 | GVLAQDV RFSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.013 | 0.003 | 0 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.005 | t | 144664 | GREGYPA DGGGLPD SVKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.003 | -0.017 | -0.02 | t | 43219 | NALYPMS PLLQECLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.003 | -0.017 | -0.01 | t | 116164 | RTPPPSG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.029 | t | 108168 | TRSFQIQA T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.024 | 0.031 | 0.031 | t | 76584 | YYQSGLSI VMPVGG QSSFYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.031 | 0.031 | t | 76584 | YYQSGLSI VMPVGG QSSFYS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.013 | t | 7173 | CTKPTDG NCTCIPIPS SWAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.041 | -0.04 | t | 151033 | MAARVCC QLDPARD VLCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0.002 | t | 108019 | LSQPKIVK WDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.008 | t | 78004 | SGLETRVV QAERFFKT HLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.009 | t | 131687 | SYPDNSYQ QPYGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 18742 | GAQITGH VKNGSMR IVGPKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | -0.001 | 0 | t | 142389 | AVGNSRG ACLAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.03 | -0.02 | -0.017 | t | 95128 | PFDVQKC NLKFGSW TYGGWS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.003 | 0.011 | t | 122945 | WELTE LDS VGTHLPQE RC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.009 | 0.047 | 0.02 | 0.02 | t | 30151 | KDGE GA | Marmot a monax |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.033 | 0.03 | 0.031 | t | 136071 | LLYGEVGD TLLIIFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.051 | -0.06 | -0.061 | t | 58077 | SGHRMA WDM MM NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.039 | -0.037 | -0.029 | t | 119454 | GGIKKIRLP SDDVWLP D | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.027 | -0.031 | -0.028 | t | 39915 | LTGHRMA WDMMQ NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0 | -0.01 | -0.008 | t | 111308 | GDTGPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.019 | -0.012 | t | 131045 | RPFDV LAP GPES SGAS T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 108200 | VSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.011 | -0.01 | t | 40453 | LVLNRLKV GLQVVAV KAPGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.021 | -0.02 | t | 32280 | KMADPNR FRGKDLPV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.009 | 0.013 | t | 103174 | FKRSYEEHI PYTHM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.008 | t | 20674 | GKREMVII TF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.008 | t | 20674 | GKREMVII TF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.011 | -0.017 | -0.007 | t | 114962 | THYGSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | 0 | t | 36116 | LGGDILFG WERTRED GVQEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.027 | -0.02 | t | 119505 | NSTMGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.02 | t | 118611 | SQALQELIS ELDRRCHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.037 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.03 | t | 145704 | A EGLTTT WKDYDHN LQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.051 | -0.06 | -0.06 | t | 135994 | SGLAPKRP GPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.011 | -0.01 | t | 40104 | LTPKELD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 70858 | VRYPHYSLI KPESSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.01 | -0.011 | t | 65725 | TPQRAGSP LPRSSS | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.026 | 0.031 | t | 119608 | LGTWTYD GSVVAINP ES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.024 | -0.02 | t | 119741 | AIFKSYGEII VTHFPFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.036 | -0.035 | -0.047 | -0.049 | t | 56501 | RYAHPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.021 | -0.02 | t | 56977 | SASAEPHK AAVDVGP LS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.048 | -0.06 | -0.062 | t | 95932 | TTRTVNPL GFFK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.026 | -0.03 | -0.032 | t | 49506 | PSSKRFPQ FQQFGRD VSDFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.001 | 0 | t | 47533 | PFNQWPD Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.009 | t | 9723 | DPPPPNP NDPPPPN PND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.053 | -0.052 | t | 76396 | YVRGGGA VP | Homo sapiens |

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|---|------|---|---|---|--------|---|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 138232 | RLTSSLRY NP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 149867 | PESFDGDP ASNTAPLQ PE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 122790 | HQEEDFR VTCKDIQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 122861 | NALNSPLH QEYEENL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 120699 | KMFPEVKE KGMAALP RL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 117909 | HKGFKGV D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 124588 | PQEETLQA FDSHYDYT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 122749 | EIIGFGQEL KNPQEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 122842 | LLDLPRDL GGMGCSS PPCE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 130492 | FKEQFLDG DGWTSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 122746 | EEQEDEIIG FGQELKN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 120682 | KILPEVKEK HEFLSRL | Oryctola gus cuniculu s |

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|---|------|---|---|---|--------|---|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 126201 | GYKEKSKF QDTHNNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 122878 | PYEFSRKV PTFATPW PDFVP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 118346 | FEYFPSHFF VPELEVTII C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 118105 | RKGHFLLS SKSGFWTI WL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 126227 | HNNAHY VFEEQED | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 117614 | QGFPFYDK PMRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 125610 | YYVFEEQ EDEIIGFG QELK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 122780 | GQELKNP QEETLQAF DSHYD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 117300 | GSGKGKV QFQGKKT KF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 116768 | LEPYISRCT VCEGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 117246 | VTWEVLE GEVEKEAL KKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 107479 | KFNWYVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 107773 | CSVMHEG | Mus musculu s |

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|---|------|---|---|---|--------|---|--------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 108075 | PREPQVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 116684 | CNYYSNSY SFWLASLD PKR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 107814 | EGLHNHY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 107814 | EGLHNHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 116697 | DVCNFASTR NDYSYWL STP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 108302 | CNFASRN DYSYWLST PEPMP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 107479 | KFNWYVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 109917 | SHQESTRG RSRGRSGR SGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 103830 | CHAVKVG NPSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 117300 | GSGKGKV QFQGKKT KF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 65050 | TLRVYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 30661 | KEVPALTA VETGAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 11081 | EAIPALTA VETGHTSQ V | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.021 | -0.01 | t | 104364 | YNKSFFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.021 | t | 136014 | WGLDYER GNYEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.012 | -0.023 | -0.02 | t | 71162 | VSTQSAKN PPGATV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.021 | t | 35248 | LDPAFRAN TANPDWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.018 | t | 117972 | LAVTKYKQ RNGWSHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.02 | t | 47965 | PIQNLPG VF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.038 | t | 117495 | ERDRKREK RKPXS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.012 | t | 38271 | LNLTASV PMLRWYA ERFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.033 | -0.032 | -0.04 | -0.04 | t | 110910 | KAKPKFTL GKRKATP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.055 | -0.05 | -0.053 | -0.05 | t | 65863 | TQGVVKE RRWTLVN ENRPIW | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.006 | 0.013 | t | 118776 | EADYFEYH QEGGPDG EPDVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.02 | 0.007 | 0.002 | t | 128112 | SPAAVISH ERAQQQA IALAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.01 | t | 139854 | PPSMVKH PEKALFTF KQV | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | -0.003 | -0.001 | t | 60632 | SRDEKERE RFSI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.01 | t | 135452 | CLKDRHDF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0.002 | t | 118760 | CRTCTTPA Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.031 | -0.053 | -0.05 | t | 62885 | TAIHAVW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.016 | 0.011 | 0.01 | t | 63543 | TESTVSSAL AELATKTF GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0 | t | 129974 | SPSAKDIK KILDSVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.022 | 0 | -0.007 | 0.001 | t | 101634 | FKADEKKF WGKLYEI AR | Rattus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.07 | -0.07 | t | 114226 | QKSHGRT QDENPVV HF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 159296 | SFSKPSNS WFPVEGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0.001 | t | 125396 | EITDNPYM TSIPVNAF QGLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.023 | -0.02 | t | 106312 | CNATQRR QIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.024 | 0.011 | 0.012 | t | 63474 | TENDIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.021 | t | 108125 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.005 | -0.02 | -0.018 | t | 51161 | QIYTINDKI L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | -0.003 | 0.002 | t | 125509 | NLYSNRSA VTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.012 | 0 | -0.008 | t | 116757 | KFDVPCG GRDCSGG CQCY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.02 | -0.02 | t | 7689 | DAYPSGA WYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.03 | 0.02 | 0.018 | t | 39070 | LREGVTLG VGASFDT QKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.112 | -0.105 | -0.109 | -0.11 | t | 96175 | DFRWYGP KYITHSIRS FTPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.061 | -0.05 | t | 103931 | GKLPKMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.003 | 0.001 | t | 117140 | DWEYSVW LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.013 | -0.011 | t | 132389 | IRLPNPDT DLYWFTLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.02 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.02 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.029 | 0.01 | 0.009 | t | 97015 | TVHTQQN Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.023 | -0.021 | t | 107144 | GGRHPSP MGTFDTQ T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.038 | -0.043 | -0.048 | t | 119536 | TRGLKGAP Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.059 | 0.047 | 0.05 | t | 115538 | VESLSSEE SITRINKKIE K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.025 | -0.02 | -0.019 | t | 40281 | LVASNWY NRQIERSS RTLQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.023 | -0.017 | -0.017 | t | 76157 | YTPVEEKQ NGRMIVIV AKKY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.009 | -0.01 | t | 15328 | FCIDPTKG GKKPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.009 | t | 73430 | YAQYMSR AYAEFLGE DPGSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.003 | 0 | 0 | t | 481 | AAVDSSKA ALTSKLD AYKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.008 | t | 51438 | QLSSSKYT IQRSTGDN IDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.011 | t | 43152 | NAGGNAG GNAGGNA GGNAGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.027 | 0.029 | t | 107080 | AGPDCSSL PNSMRCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.006 | t | 21851 | GQCKWV NGREICND RDRPTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.026 | 0.017 | 0.021 | t | 80014 | RNYPTGAE FLGEG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.041 | 0.04 | t | 158592 | GPVNMNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.001 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.018 | 0.02 | t | 29171 | ITYNESHSS DQRPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.03 | 0.023 | 0.03 | t | 123641 | PVVGAVQ G | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.021 | 0.009 | 0.01 | t | 44904 | NLTQHPSA PTMP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.009 | 0.01 | t | 44904 | NLTQHPSA PTMP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.044 | 0.02 | 0.018 | t | 20157 | GHLTSVYA WLAFLS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 79782 | DNDGPVA AGEARPVP EEYLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.052 | -0.06 | -0.06 | t | 140598 | SLISDEWP RW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.02 | t | 74009 | YGGPANK KNAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.05 | -0.051 | t | 142483 | WRMAGQ KRTSGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.014 | -0.03 | -0.03 | t | 39062 | LRDPVFNI AAGVALR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.015 | -0.02 | -0.02 | t | 55824 | RSELSPLL STTEWQIL PCS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0 | -0.013 | -0.011 | t | 42791 | MTDVVFY RYSNNYEG QPHIS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.023 | -0.018 | t | 16092 | FHAEWPT PSPWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.063 | 0.049 | 0.05 | t | 8916 | DKKTEETT LLEDRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.063 | 0.049 | 0.05 | t | 8916 | DKKTEETT LLEDRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.03 | -0.041 | -0.04 | t | 66914 | TTWNPTLL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.023 | t | 119633 | QYTGHIT WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.012 | t | 6948 | CRTCTTPA QGTSMY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.022 | -0.043 | -0.042 | t | 102169 | VATATLPN YC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.033 | -0.029 | t | 12961 | ELAYFYPEL F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.011 | t | 115564 | YAKPAAVR SPAQILQ WQVLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0.002 | t | 121153 | ARRRAEP ML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.012 | t | 78054 | VAETTNV QGWWCLF QITHGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.001 | -0.01 | -0.01 | t | 100281 | LPDTKASG PAHSKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.001 | t | 122728 | DLSTAIASR SVADKILD LY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.03 | -0.043 | -0.039 | t | 27650 | INHFEVLLV GY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.02 | t | 30896 | KGAIRSPG AANPSDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.003 | 0.002 | t | 52678 | QVATISAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.023 | t | 9589 | DPAFSLNS RAFPAPF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.013 | t | 134188 | PMSTPSAT SVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.011 | -0.027 | -0.029 | t | 59381 | SLPEFRLH ALLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | 0.001 | 0 | t | 8960 | DKPGSKKT QGEKFFLI HSAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.003 | t | 146906 | EVDHTNFK YNYSVIEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.009 | 0.01 | t | 130551 | LTDSEMD VVRFDAA C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.043 | -0.041 | t | 106716 | PSNCHTHE GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0.004 | -0.01 | -0.008 | t | 95695 | PVKQTLPP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.004 | -0.01 | -0.008 | t | 95695 | PVKQTLPP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.02 | 0.01 | 0.009 | t | 100437 | QPNNKRN QLWLRLQ TAGN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.03 | 0.039 | 0.037 | 0.04 | t | 1433 | AGAGGGA GGAGAGG GAGGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 123675 | QPLWLLQ G | marmos ets |
| 1 | 1.00 | 1 | 1 | 0.02 | -0.004 | 0.02 | 0.026 | 0.031 | t | 142810 | KEWEQIYR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.028 | -0.037 | -0.028 | t | 132045 | RMATPLL MRPMSM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.008 | t | 116731 | GLGESRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.02 | t | 117594 | NWHQLH GKKEAY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.074 | -0.063 | -0.071 | -0.07 | t | 61995 | STVSSAPP TRVRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.031 | -0.03 | t | 17572 | FRDLTWCI NPPERIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 37304 | LLFVGVGL FLLPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.04 | -0.04 | t | 60797 | SRSESRKN RGGREEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | -0.003 | 0.003 | t | 14906 | EVWREEA YHACDIKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.043 | 0.042 | t | 72885 | WNDYCT MNQCDT HN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0.005 | t | 9526 | DNPASTT NKDKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.039 | 0.031 | 0.033 | t | 138192 | HQTPLST | Mus musculu s |
| 1 | 1.00 | 1 | 0 | 0.03 | 0.029 | 0.059 | 0.031 | 0.042 | t | 46371 | NVESQPG GQPNT | Bos taurus |
| 1 | 1.00 | 1 | 0 | 0.03 | 0.029 | 0.059 | 0.031 | 0.042 | t | 46371 | NVESQPG GQPNT | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0.002 | -0.011 | -0.01 | t | 56742 | SAEASRDK AFAVSKDL A | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0 | t | 266 | AALANSLS LGPQQKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.026 | -0.04 | -0.038 | t | 37008 | LKRHFHM DYGTGFYK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.013 | 0.02 | t | 3508 | APDKEVLY EAFDEM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.003 | 0.013 | 0.02 | t | 986 | AEIERMVR EAAKYEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.053 | 0.04 | 0.04 | t | 105879 | IISCDEGVG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.007 | 0.008 | t | 32716 | KPGGGW NTGGSRYP GQGS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.03 | -0.031 | t | 109247 | GSAGAPGI AGAPGFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.01 | t | 632 | ADASLKM ADPNRFR GKDLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.012 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.045 | 0.039 | 0.04 | t | 60024 | SPDVDLG DISGINAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.046 | -0.049 | -0.05 | t | 31692 | KKSAAEAS KKPRQKRT A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.039 | -0.039 | t | 65391 | TNPMTGA LLRAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.008 | 0.011 | 0.011 | t | 60749 | SRNSTPGS SRGNSPAR MA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 71844 | VVSWKNK EL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 71844 | VVSWKNK EL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.027 | 0.003 | -0.001 | t | 59784 | SMYGSYN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.01 | t | 137906 | KGLRKSNA AERRGPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.064 | -0.067 | -0.07 | t | 46851 | PALICCCR GRCNKKG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.033 | -0.03 | t | 58745 | SIVYEAAD AILHTPGC VPCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.003 | t | 39164 | LRPGPVSQ PYHHWDT DK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.009 | -0.01 | t | 35174 | LDHILEPSI PWKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.013 | -0.009 | t | 71346 | VTGSVVCT TAAGNVNI AIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.013 | -0.009 | t | 71346 | VTGSVVCT TAAGNVNI AIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.027 | -0.029 | -0.028 | t | 97500 | MLGTAEK VRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 159080 | RSNHNRR PGYKTQS QG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 60562 | SQTAKNN YVSQVYLH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 122775 | GIFNTGLK MFPDLTK VYST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.02 | 0.01 | 0.009 | t | 23069 | GVNLEDP ASRDLVVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.014 | -0.01 | t | 135910 | DRRLCSHL EVCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.007 | -0.01 | -0.01 | t | 136685 | TLFTPKDS PAKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | 0 | 0.002 | t | 21812 | GPTRTIGG SQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.027 | -0.021 | -0.017 | t | 130600 | RRLPKGVK HLKDFILP GEI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.023 | -0.021 | t | 69880 | VLYQAFDE MEECASH LPYIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 121827 | RVVPLLVA DPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.029 | t | 41183 | MCAVRDP AFSR SRLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.062 | -0.059 | -0.061 | t | 9826 | DQAQRPA VASRRRPT TAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.075 | -0.07 | -0.067 | t | 117173 | TYFSKNYQ DYEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.041 | -0.043 | -0.05 | t | 110900 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0.006 | 0.007 | t | 46317 | NTWTTCCQ SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.006 | 0.007 | t | 23599 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.034 | 0.031 | 0.023 | 0.02 | t | 66740 | TTNQAIEA IRQAGQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.01 | -0.02 | -0.02 | t | 38609 | LPNWVKV WDRATNK C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.01 | -0.02 | -0.02 | t | 38609 | LPNWVKV WDRATNK C | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.01 | -0.02 | -0.02 | t | 38609 | LPNWVKV WDRATNK C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.017 | -0.01 | t | 120028 | LFNNYDPG SRPVREP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.012 | 0.034 | 0.02 | 0.02 | t | 1430 | AGAGDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.009 | -0.009 | -0.011 | t | 66223 | TSGLASL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.012 | t | 481 | AAVDSSKA ALTSKLDA AYKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.01 | 0.011 | t | 70656 | VQTRHVV QHRSRSES SIESF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.05 | t | 58765 | SIYPGHITG HRMAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.023 | t | 125004 | DAPDTDW CDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.001 | 0.002 | t | 19974 | GGPTRTIG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.01 | 0.001 | 0.002 | t | 19974 | GGPTRTIG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.011 | 0 | 0 | t | 41643 | MGVICMN MECDRN M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.02 | -0.02 | t | 94575 | KVLTTGLP ALISW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.033 | -0.03 | t | 149057 | GWHTRIF VSDWYHT P | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.003 | 0.01 | t | 145147 | DPSLKMA DPNRFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.016 | 0.037 | 0.027 | 0.031 | t | 115594 | AQRPQDE N | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.018 | t | 8982 | DKRFLCKH SMVDRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.01 | -0.02 | -0.02 | t | 120634 | IPGKRNEK FYEC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0.01 | t | 1366 | AFNPAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.023 | 0.029 | t | 121701 | PDSPQRV AEAEAVSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.001 | 0 | t | 48894 | PPQGGVV TPGSGSG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.013 | -0.041 | -0.042 | t | 44625 | NKVVPPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.045 | -0.045 | -0.04 | -0.04 | t | 41053 | MAKGKRS TDAKGSQ RRQKKV | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.05 | -0.049 | t | 11781 | EEMFIPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.045 | 0.027 | 0.028 | t | 11704 | EEIVPNSV EQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.019 | 0.02 | 0.024 | t | 91093 | AEFYQEVL FKGFE | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.028 | -0.033 | -0.026 | t | 135921 | EVGWYRS PF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.043 | -0.04 | t | 149057 | GWHTRIF VSDWYHT P | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.013 | 0.02 | t | 135895 | ALLRCIPAL DSLTPANE DC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.024 | -0.03 | -0.03 | t | 123439 | LLARDAPD TDWCDSIP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.001 | 0 | t | 10200 | DSPDADLI EANLLWR QEMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.023 | 0.017 | 0.02 | t | 4471 | ASIDWREY GYVTEVKD QGNC | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.03 | 0.019 | 0.019 | t | 82528 | GAATPYSG EDSPFDM TLGEE | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 131227 | KHYPEVGP NGFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.021 | -0.012 | t | 118257 | AKSIDLKD KYKNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.032 | 0.013 | 0.01 | t | 94625 | NPACGRH YSC | Capra hircus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0 | 0.011 | t | 108497 | KIGPELHG L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.084 | 0.09 | 0.077 | 0.082 | t | 23976 | HHAERNG SQSTTSQS N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | -0.004 | -0.001 | t | 23875 | HFVLLVGY GSADGVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 135568 | KPSKPKTN MKHMAG AAAAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.013 | -0.006 | t | 115652 | SSRISYWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.029 | t | 108846 | DALQFVC GDRGFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.027 | -0.019 | t | 112418 | YNFAVLKL MGRGTKF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.066 | -0.063 | -0.077 | -0.081 | t | 115639 | QFRVIGPR HPIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.003 | 0 | t | 106988 | VTSVSAVA SGHYLHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 125551 | RNLTYIDP DALKEPLL KFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 78401 | GLPNDWP CRQASGT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.058 | -0.063 | -0.06 | t | 56937 | SAPPTRVR R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.009 | -0.02 | -0.02 | t | 7092 | CSTKAIGR TILKENIKY EVA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 133455 | YFQWAPY GYYYNEIKL K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.016 | t | 156545 | PTTTVPNT TNKYSTSP S | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.023 | -0.034 | -0.05 | -0.052 | t | 113257 | ADNKAPQ GLLC | Rattus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.017 | -0.011 | t | 104785 | GAEIVYKS PVVSGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.017 | -0.011 | t | 104786 | GAEIVYKS PVVSGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.01 | 0.009 | 0.011 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.009 | 0.011 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.009 | 0.011 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.017 | -0.018 | t | 68347 | VESMETT MRSPVFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.032 | 0.019 | 0.02 | t | 142384 | AGVLRQE QANSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.018 | t | 97252 | DTPLTTAA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.018 | -0.027 | -0.028 | t | 104780 | FRHDSGY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.027 | -0.028 | t | 104780 | FRHDSGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.027 | -0.028 | t | 104780 | FRHDSGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.02 | -0.022 | t | 63340 | TEEEREVY SY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.02 | -0.022 | t | 63340 | TEEEREVY SY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.017 | -0.01 | t | 119473 | KILKVIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 | t | 115194 | CNISCDKFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.045 | -0.053 | -0.05 | t | 72538 | WHHRHQ PAPGGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.016 | 0.01 | t | 75203 | YNPLYGSR LGVPDTLG GDPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.046 | 0.02 | 0.02 | t | 2128 | AIVVEYSSS VKLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | -0.001 | 0.001 | t | 24654 | HQTLQDP RVRGLYLP AGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | t | 136083 | SEGAEYDD QTSQREKE DDK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.046 | 0.051 | 0.05 | t | 158593 | GRQAQYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.036 | 0.037 | t | 122627 | VEQVTNV GLYSSDYI KTVA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.01 | 0.01 | 0.016 | t | 122289 | CSNSSSSQ FQIHGP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.02 | 0.021 | t | 39024 | LQYTPSW MLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.013 | -0.01 | t | 106 | AAEGATPE AKYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.062 | 0.05 | 0.05 | t | 63542 | TESTVSSAL AELAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.024 | -0.041 | -0.04 | t | 51168 | QKAREAFR | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.011 | -0.01 | t | 142422 | GAILVDFW AEWC | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.011 | 0.001 | 0.002 | t | 141562 | SIVQRSEN NGVRPDV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.007 | 0.01 | t | 26341 | IGVNQELA YFYPELFR QFYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.032 | -0.033 | -0.03 | t | 40075 | LTPAWRIY STGNNVF Q | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.027 | 0.032 | t | 118538 | NNGNLQL RKEVTWE VLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.008 | t | 78057 | VGVNRYD QYKVHKP WTLVVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.009 | t | 107765 | CESAQRPF GCC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.03 | -0.032 | t | 49506 | PSSKRFQP FQQFGRD VSDFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.032 | t | 49506 | PSSKRFQP FQQFGRD VSDFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.04 | -0.04 | t | 135940 | ISQEMERI PRLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.009 | -0.008 | t | 3236 | ANCASILC KCYTTGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | -0.002 | t | 63758 | TFTNPVVS TTQWSAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.012 | -0.003 | 0.001 | t | 13908 | EQQKEQC VKECEKYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.04 | t | 134133 | LGGAKQA GDV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.016 | -0.02 | -0.019 | t | 120699 | KMFPEVKE KGMAALP RL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.029 | 0.021 | 0.02 | t | 73036 | WRIYSTGN NVFQTQA GC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.022 | t | 133263 | NSSPEYPR KEFASST RGRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0.002 | t | 30715 | KFDTKGSA KTIEATLHC YGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.01 | 0.013 | t | 7173 | CTKPTDG NCTCIPIPS SWAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.059 | -0.06 | -0.062 | t | 127811 | RVPRIPRD PRPPRPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.009 | -0.007 | -0.01 | t | 70457 | VPQVRKET RASSR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | 0.009 | -0.007 | -0.01 | t | 70457 | VPQVRKET RASSR | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.035 | -0.039 | -0.04 | t | 17553 | FQWSWYT PPRPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.014 | -0.021 | -0.02 | t | 57976 | SGALRFYN LKGQLVTG SGWY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.025 | -0.02 | -0.018 | t | 63250 | TDTRKDIN TVTTVAQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 39094 | LRGDLRQ WVSAGR VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.053 | -0.05 | t | 149101 | SFTRVVD VYRPLS | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.007 | t | 62852 | TAGHGAY GITSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | -0.007 | t | 62852 | TAGHGAY GITSLFTRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.025 | 0.013 | 0.01 | t | 44117 | NGWGAPT KEESTYN WLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.025 | 0.013 | 0.01 | t | 44117 | NGWGAPT KEESTYN WLP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.001 | 0 | t | 34661 | LAAEFKQK ALGLLQTA TKQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 97595 | QTPLTMA ALELF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.055 | -0.06 | -0.062 | t | 5298 | AVDSAARI HDFRYSQL AKLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.027 | 0.03 | t | 103934 | GKVQAQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.048 | 0.039 | 0.042 | t | 58779 | SKAALIEEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.034 | -0.04 | -0.035 | t | 141539 | FSPAYLRD AALK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.029 | 0.021 | 0.02 | t | 54747 | RLRSSVPG VRLQDSV DFSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.019 | 0.01 | 0.01 | t | 99891 | AKVPLKTD ANDQIG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0 | t | 110812 | DPVGPLDP SIVSLVEES SFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0 | t | 110812 | DPVGPLDP SIVSLVEES SFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.007 | -0.007 | -0.01 | t | 52021 | QQFGRDV SDF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.03 | -0.04 | -0.04 | t | 45239 | NNSFLDPE YWNFRNG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.012 | t | 37641 | LLPAADM DDFSRQL QNSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.029 | -0.03 | -0.028 | t | 123835 | VSSATNAL RSM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.039 | 0.037 | 0.041 | t | 6532 | CKVQRQY DEQQKEQ C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 133538 | CNKPGERT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.002 | t | 60022 | SPDVDLG DASGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.002 | t | 60022 | SPDVDLG DASGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.002 | t | 60022 | SPDVDLG DASGINAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.042 | -0.04 | t | 135996 | SIVPALEIA NAH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.014 | -0.033 | -0.029 | t | 20586 | GKIGMYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.031 | t | 119663 | VIVELIPST SSAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.031 | t | 119663 | VIVELIPST SSAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.053 | -0.06 | -0.058 | t | 97782 | YTTAVDRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.053 | -0.06 | -0.058 | t | 97782 | YTTAVDRP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.033 | t | 95031 | NAYANEE ATKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.006 | 0 | 0 | t | 22885 | GTVVLELQ YTGTGDC KVPI | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.02 | -0.02 | -0.017 | t | 136393 | IPSRKRRN RIQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.021 | t | 73430 | YAYQMSR AYAEFLGE DPGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.003 | 0 | t | 48768 | PPEHRGG PEEFEGAG DGEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.04 | -0.053 | -0.05 | t | 28603 | ISLTEWSM WYRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.021 | -0.031 | -0.03 | t | 76167 | YTRMMIG RFCAQMH S | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.067 | -0.06 | -0.059 | t | 10902 | DYINRWIF VTITNNRL NNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.067 | -0.06 | -0.059 | t | 10902 | DYINRWIF VTITNNRL NNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.052 | -0.067 | -0.06 | -0.059 | t | 10902 | DYINRWIF VTITNNRL NNS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.039 | -0.037 | -0.029 | t | 119454 | GGIKKIRLP SDDVWL PD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.005 | t | 144664 | GREGYP DGGGLPD SVKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 151763 | WYRATHQ E | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|--------|---------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 133535 | CKPGEVQ QC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 133538 | CNKPGERT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 133536 | CKPVENRA C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 133539 | CYKPGEW AC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 133528 | CADQKPG EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 133542 | DGRRDVV VRSATFYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 133630 | LPPGLHVF PLASNRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 133531 | CDTLKPGE C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 133580 | GFLSSCNF RFCELR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 75441 | YPYDVPDY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 97252 | DTPLTTAA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 44920 | NLVPMVA TV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 11571 | EEEDDDM GFGLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 10433 | DTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 14435 | ETIYNTTLK Y | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 17814 | FSPSLEHPI VVSGSWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0.002 | t | 21254 | GMDGTQL DRW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.009 | t | 53010 | QYNLTFSD RQSAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 131367 | ATWSPSK ARLHLQGR SNAWR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.013 | -0.018 | t | 115057 | GLSLSRFS WGAEGQR PGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.007 | -0.01 | t | 53895 | RGKGEGLP GMC GGAL VSSNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.057 | 0.047 | 0.05 | t | 135963 | NGQEEKA GVVSTGLI GGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.009 | -0.01 | t | 38271 | LNLTTASV PMLRWYA ERFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.016 | -0.017 | t | 123825 | VPQLPHSS SHW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 | t | 94687 | SKPTTKQR QNKPPNK P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.011 | -0.02 | -0.02 | t | 85615 | LNIEKYQIH RLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.02 | t | 85615 | LNIEKYQIH RLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.02 | -0.02 | t | 85615 | LNIEKYQIH RLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.011 | -0.02 | -0.02 | t | 85615 | LNIEKYQIH RLV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.03 | -0.032 | t | 114132 | KSHGRTQ DENPVVH F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.011 | -0.008 | t | 66275 | TSITHWRI DF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.032 | -0.031 | -0.039 | -0.04 | t | 20060 | GGTWRIG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.043 | -0.04 | t | 149042 | FLHTRLLFR IVSYSG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.024 | -0.023 | -0.018 | t | 43705 | NENLLRFF VAPFPEVF GKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 119784 | CKAKAQT DREDLRTL L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.012 | t | 27498 | IMGYSTP WRYLDFN ALNLFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.037 | -0.04 | -0.04 | t | 78636 | EKKIAKME KASSVFNV VN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.023 | t | 94511 | FEVFNFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.034 | -0.043 | -0.047 | t | 134515 | RPNHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.06 | -0.059 | -0.056 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.007 | 0 | t | 124202 | GPAQITCT PRGWDSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.011 | t | 38271 | LNLTASV PMLRWYA ERFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 78402 | GLPNDWS GRQASGT R | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.028 | -0.03 | -0.028 | t | 44572 | NKPSKPKT NLKH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.053 | -0.052 | t | 76397 | YVRGGGA VPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.026 | 0.014 | 0.02 | t | 67054 | TVKTKNTT TTQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | -0.002 | t | 119601 | KGNNVHG FQKQIIRSF Y | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.007 | 0.01 | t | 3650 | APLTAVAP AHDTPPV PDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.017 | 0.023 | t | 110794 | CDDDDDN DGVPSDR DNCRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.021 | 0.033 | 0.042 | t | 20969 | GLKTENEG LKTENEGL KTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.011 | t | 122519 | PIECRYPR QGNVSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.03 | 0.032 | t | 127185 | TCDDPRF QDSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.027 | t | 107891 | HRLAFGQY T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.031 | 0.02 | 0.023 | t | 6763 | CPFLKQNE PEDICW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0.003 | 0 | t | 39216 | LRSSGCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.007 | 0 | t | 115623 | KTTICGKG LSATVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.01 | t | 108144 | SRLAFGDQ L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 151731 | SAQSQRA PDR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.005 | t | 113628 | LRLIHYSYD VN | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 113628 | LRLIHYSYD VN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.02 | t | 141581 | YVYRWVE AECVA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.006 | t | 124925 | YYVFFEEQ EDEIIGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.061 | -0.07 | -0.071 | t | 11567 | EEDTNKDK PS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.007 | -0.01 | t | 72133 | VYPPSSTA KSSVSNAP PVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.008 | 0.003 | 0.002 | t | 67908 | VDASSGSN RFAALPAF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.008 | 0.003 | 0.002 | t | 67908 | VDASSGSN RFAALPAF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.01 | t | 143845 | DLFVTAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.041 | -0.051 | -0.05 | t | 61045 | SSGPQKTK APVQWR W | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.003 | -0.02 | -0.02 | t | 8832 | DKAAAICF RNSMDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 97287 | ETPLTETAL KWH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.002 | t | 122108 | GVGVELE NSMGGLN F | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.027 | -0.03 | t | 73588 | YDSY CIMN FCGHAA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.032 | 0.011 | 0.009 | t | 53436 | RDVSRITFF Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.002 | t | 117968 | KVTWLVS WTENIQG SIKYIM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.031 | t | 136014 | WGLDYER GNYEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.011 | t | 110947 | MSTRSVSS SSYRRMFG GPGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.015 | -0.03 | -0.03 | t | 62470 | SWKQRNR WEW | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.01 | -0.01 | t | 21553 | GNYNKY RYLRHGKL RPFER | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.01 | t | 21553 | GNYNKY RYLRHGKL RPFER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.013 | -0.012 | t | 61410 | SSTRGGS VEGIFAGL FMNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | -0.009 | -0.007 | 0 | t | 109956 | STHVDIRT LEDLLMGT LGIV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.03 | 0.019 | 0.019 | t | 82529 | GAATPYSG EPSPFDEV LGEE | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0.001 | 0.001 | t | 137842 | ETVPRSGE VYTSQVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.027 | t | 106672 | NCALEGW GGHWRG AN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.004 | t | 122375 | GLINRAKA VKQFEESQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.011 | t | 62003 | STWHVLYS PNVSVPS SSTP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0.004 | t | 46488 | NVSVSPSPS STPLLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0.004 | t | 37656 | LLPHSNLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 50241 | QAEPDRA HYNIVTFC CKCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.023 | 0 | -0.003 | t | 149298 | ELDKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.063 | -0.07 | -0.07 | -0.07 | t | 113890 | SSTPIPGSR PVARLGLY SRT | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.004 | 0.01 | t | 48448 | PLPNTALL SL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.052 | 0.031 | 0.04 | t | 135664 | EHNIEETE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.011 | 0.01 | t | 55275 | RPPTPWPI SQSDRAS YMDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.017 | -0.018 | t | 95678 | PPSVPNLR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.008 | -0.017 | -0.018 | t | 95678 | PPSVPNLR | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.017 | -0.02 | t | 115057 | GLSLSRFS WGAEGQR PGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.06 | 0.04 | 0.04 | t | 139322 | TPQGRPD AE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.008 | t | 64551 | TKELADKL SNAEASRD K | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.016 | 0.007 | 0 | t | 97918 | AYSNNANKE CQKLLQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.016 | 0.007 | 0 | t | 97918 | AYSNNANKE CQKLLQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.045 | 0.04 | 0.043 | t | 131101 | TDSEMDV VRFDDDN S | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0.001 | t | 78412 | GYKDVDK APFNGMT GCG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.031 | t | 133556 | EGPEYWD RNT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.059 | 0.052 | 0.052 | t | 30222 | KDNTDEG DEGDDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.007 | 0 | t | 104017 | KTKRNTNR RPQDVKFP GGGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.019 | t | 108167 | TRAFGNEA T | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.032 | t | 70275 | VPDTLGG DPKFRSLT HEDHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.018 | -0.013 | t | 110968 | PSTSRSLYA SSPGGVYA TRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.033 | -0.028 | -0.037 | -0.037 | t | 24089 | HIRLQAID PMPP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | 0.001 | 0 | t | 104115 | MILSLQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.035 | -0.033 | -0.03 | t | 58746 | SIVYETAD MIMHTPG CVPCV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.018 | t | 47989 | PISYANGS GPDQRPY CWHY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0 | 0 | 0.001 | t | 153839 | HQKRTAM FQDPQER PRKLPQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 35413 | LEDRSTQA SLEEAILR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 35413 | LEDRSTQA SLEEAILR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.007 | -0.008 | t | 3200 | AMTPTVA TRDGKLPA TQLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.027 | 0.032 | t | 147140 | MSNIPQE QW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 117614 | QGFPFYDK PMRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.003 | 0.012 | t | 113159 | SDEGGYTC FFRDHSYQ EE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.003 | 0.012 | t | 113159 | SDEGGYTC FFRDHSYQ EE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.013 | 0.001 | 0 | t | 47068 | PDDDPQP GPSREYRY VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.014 | 0.017 | 0.03 | t | 104293 | SYPNTWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.027 | -0.018 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 52265 | QRSECSTS KCFVRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.01 | 0.011 | t | 139860 | PVQRGAW RWPVVTN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.017 | t | 141534 | DRMNLQT LRGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 78701 | KKFNSSAG DKQGNISI EKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.008 | t | 78701 | KKFNSSAG DKQGNISI EKL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.024 | -0.03 | -0.03 | t | 123439 | LLARDAPD TDWCDSIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.01 | t | 27431 | ILYQQFDE MEECSRHI PYLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.01 | -0.007 | t | 116505 | SGKVPWL KPGR | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.034 | -0.043 | -0.042 | t | 16452 | FKQNVNR PSRAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.01 | t | 42060 | MLSKYSLPI VEEPEDYK EAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.021 | t | 117742 | AKAQTDR EDLRTLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.028 | -0.039 | -0.04 | t | 17888 | FSYDTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.02 | t | 22884 | GTVVAVG PGRWDEDE GE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.012 | -0.007 | -0.01 | t | 78270 | SIPIGS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.041 | -0.049 | -0.05 | t | 41575 | MGGAAG GMPGGM PGMSGMS G | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.031 | -0.037 | -0.038 | t | 55889 | RSLPPIVKD ASIQVSAI R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 78565 | WSESDVA GLQNDPT TIYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.008 | -0.019 | -0.022 | t | 54494 | RLCSVSY EPSLLWTS SCFD | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.02 | -0.001 | -0.002 | t | 58873 | SKKTGIDP | MD |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.01 | t | 62554 | SYGDFTQF TRHT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.042 | 0.043 | t | 6650 | CMENNSG WKVSLNY GEIIW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 134669 | FGFPQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 134240 | SVTAAAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 118963 | PNYKVVN YAVTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 119038 | TSTNGIKK LIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 30299 | KEALDKYE LENHD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 9526 | DNPASTT NKDKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.039 | t | 136551 | PIQRKRRQ MPLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.046 | 0.033 | 0.043 | t | 134758 | PESPSKLAS A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 53758 | RFPRGQG VPINTNSG PDDQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.004 | -0.02 | -0.02 | t | 54748 | RLRVKN | Equus caballus |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.016 | 0.007 | 0.011 | t | 36407 | LHPDHPTL FSYRTLGE DPQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 70029 | VMVHDPH SLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.006 | 0.009 | 0.01 | t | 48412 | PLLSNTLA ELYVREHL REQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.02 | -0.03 | -0.03 | t | 13972 | ERDPANIP WDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.018 | t | 27997 | IPQPQWT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98858 | LACQCLVR TP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98903 | MHIRLSFN PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 115943 | RINKKIEKF Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98681 | AEKTKIPA VF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98851 | KKIIAEKTKI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 114757 | CLLCAYSIE F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 115291 | ILDKVGINY W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 114885 | LCAYSIEFG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98700 | APLRVYVE EL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 114752 | AYSIEFGT NI | Homo sapiens |

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|---|------|---|---|---|---|---|-------|---|---|--------|----------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98973 | QSLACQCL VR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98725 | DDEALEKF DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98691 | ALKALPM HIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 114843 | GSDNKTY GNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98972 | QSAPLRVY VE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 115317 | KKILDKVGI N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 115209 | DKVGINY WLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98869 | LEKFDKAL KA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 114987 | YANTTSED GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 115293 | IMCVKKIL DK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98740 | EALEKFDK AL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 114965 | TSEDGKV MVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98845 | KFDKALKALP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 115197 | CVKKILDK VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 114948 | SIEFGTNIS K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 115256 | FRELKDLK GY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98834 | IRLSFNPT QL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 114910 | NTTSEDGK VM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 98923 | PAVFKIDA LN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 97035 | VGINYWL AHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 38208 | LNENLLRF FVAPFPQV FGKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 57632 | SESTEGDA MEDIKQM EAESI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 55187 | RPKHPIKH QGLPQEV L NENL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 38582 | LPLPLLQS WM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 33732 | KTKIPAVFK I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 3985 | AQKKIIAEK T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | -0.005 | 0.007 | 0.019 | t | 78351 | AQSSSFPQ FKPQEITGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.02 | -0.02 | t | 95040 | SHRPREAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 95040 | SHRPREAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.023 | 0.011 | 0.012 | t | 33541 | KSVCGPVY CFTSPVV VGTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 20329 | GILES RGIK ARITHVDT ESY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.02 | t | 20329 | GILES RGIK ARITHVDT ESY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | -0.009 | t | 158948 | LEARKAAD TFNFKTF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.043 | -0.04 | t | 134170 | MVRHENR CVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.099 | t | 117232 | SAPDTRPA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.063 | -0.07 | -0.07 | t | 108551 | NDSLNTGF LAFLFYTKK | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.026 | -0.023 | -0.019 | t | 70620 | VQNTVED LKLNTLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.013 | 0.012 | t | 33146 | KRGRKQN KRGNEG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.073 | -0.08 | -0.081 | t | 142483 | WRMAGQ KRTSGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.011 | 0 | 0 | t | 48670 | PNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.022 | 0.027 | 0.033 | t | 137395 | EESEDEKR RWGQRD N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.007 | 0.004 | 0.01 | t | 142217 | LDASREAK KQLEAEQ QKLEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.034 | 0.04 | t | 127747 | MVPELTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.028 | -0.03 | -0.03 | t | 35034 | LCAACSKQ VFCNRRPE RNGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.028 | -0.03 | -0.03 | t | 35034 | LCAACSKQ VFCNRRPE RNGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.025 | -0.03 | -0.028 | t | 16385 | FKIVFPIVA KKDFKYRG EGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 138240 | SQPEFLEQ KRAELDTV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.026 | -0.031 | -0.028 | t | 56852 | SALEDKLA DYKRRM | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.011 | -0.02 | -0.02 | t | 99950 | DNEQPTT RAQKLFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.022 | -0.02 | -0.019 | t | 135846 | YIQHNGV VQESYYRY VAR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.031 | -0.031 | t | 14819 | EVLYLLDLA GVYRSLKK QLE | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.017 | t | 95036 | RTCMTTA QGTSMPY SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.037 | 0.013 | 0.009 | t | 55036 | RNNHPQN TSDSQKEA TD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | t | 10677 | DVNAIDIE EPSGQT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.016 | t | 16956 | FLVNAWK SKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.018 | 0.024 | t | 101066 | NERLAKLS DG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.028 | -0.03 | t | 65011 | TLPPPCLSS PSRCVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.028 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.019 | -0.02 | -0.018 | t | 13528 | ENNGGCD AD | Aotus sp. |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.019 | t | 69880 | VLYQAFDE MEECASH LPYIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.033 | 0.035 | 0.037 | 0.042 | t | 55187 | RPKHPIKH QGLPQEV L NENL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.004 | t | 25140 | HWSYGLR PG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.022 | 0.001 | 0 | t | 72869 | WMNSTGFTKVCGAPPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.021 | -0.03 | -0.03 | t | 100408 | QDSLPTDKASGPAH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 267 | AALASLFLSGPQQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.01 | -0.01 | -0.009 | t | 141683 | KDWG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.037 | -0.04 | -0.04 | t | 16132 | FHPPSSNQCESTPPIAMDAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.026 | -0.039 | -0.04 | t | 65104 | TLTPAAPLPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.051 | -0.05 | t | 150970 | AVPADHGAHLSLRGLPVCAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.001 | t | 119633 | QYTGHITWTPPAIFKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.007 | 0.001 | t | 112406 | YEYLINVIHAFQYV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | -0.001 | t | 102434 | FMRWLSDLRETCSYQKYI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.036 | 0.02 | 0.022 | t | 35529 | LEIVPNSAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.007 | 0.013 | t | 39169 | LRPTFDTRLMRLEDEMKEGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.014 | -0.012 | t | 107799 | DSGHRGYSQSASDNEGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.031 | t | 115661 | VVHLYRNGKDQD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.055 | -0.06 | -0.06 | t | 38769 | LPWGVAA RR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.042 | -0.05 | -0.051 | t | 110910 | KAKPKFTL GKRKATP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 114579 | RKVVTDF KNIPQRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.031 | t | 119663 | VIVELIPST SSAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.031 | t | 119663 | VIVELIPST SSAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.05 | 0.039 | 0.039 | t | 81131 | DLFHVNG RDTMNNI VDENKY | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | 0 | -0.002 | t | 45627 | NQSLDLAE QELVDCAS QHGC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.01 | t | 133632 | LRCYSHCT FYFASST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.09 | 0.07 | 0.07 | t | 38214 | LNFGQTG DADSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.073 | 0.09 | 0.07 | 0.07 | t | 38214 | LNFGQTG DADSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.039 | -0.016 | -0.031 | -0.03 | t | 68790 | VGSDQHP DIHAPDGA | Oncorhy nchus tshawyts cha |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.047 | -0.039 | t | 118141 | SKGRRFKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.01 | -0.01 | t | 56043 | RTEQKDFD GRSEFAYG SFVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.019 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.019 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.044 | -0.059 | -0.06 | t | 58954 | SKTVGTAE EKLKKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.011 | -0.02 | -0.02 | t | 100290 | LSLPKQQD SLPDTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0 | 0.002 | t | 38971 | LQRAVRLA LSGSDGRV GSG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.016 | -0.022 | -0.03 | -0.03 | t | 1439 | AGAHWG VLG | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.026 | -0.022 | t | 51031 | QHTFNLKS QQARQVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0 | -0.02 | -0.02 | t | 140915 | VSAKDGKY INNKL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.023 | -0.027 | t | 134515 | RPNHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.022 | t | 63754 | TFTMDGD TMTMLTE STFKNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.022 | t | 63754 | TFTMDGD TMTMLTE STFKNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.022 | t | 63754 | TFTMDGD TMTMLTE STFKNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.003 | 0.003 | 0.01 | t | 112783 | GSLPQKSH GRTQDEN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.038 | -0.06 | -0.06 | t | 100980 | KIVAPV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.04 | -0.05 | -0.05 | t | 57743 | SFDVPSKQ PTIDIDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.04 | -0.05 | -0.05 | t | 57743 | SFDVPSKQ PTIDIDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.003 | -0.017 | -0.02 | t | 55490 | RQTEPCNL WFCPQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.022 | 0.001 | 0 | t | 68179 | VEFLVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.017 | 0.009 | 0.011 | t | 71244 | VTADMAS DMLHH | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.013 | -0.01 | t | 16032 | FGPNAGQ R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.038 | -0.041 | -0.039 | t | 52042 | QQINHHW HKSGSSIG KAFTT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.027 | 0.019 | 0.021 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.027 | 0.019 | 0.021 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.019 | 0.021 | t | 2720 | ALLNPSRV YTFFSSDY VKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | -0.001 | 0 | t | 133841 | GRGNGDP GGGMEKD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.019 | -0.018 | t | 136751 | YCWLRQ AALQRRS AMEKG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 8942 | DKNEKGQ HEIVEVEEI LPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 107527 | NAKTKPR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | -0.001 | 0 | t | 142389 | AVGNSRG ACLAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.026 | 0.019 | 0.02 | t | 78170 | GKHGKEV KIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.04 | -0.033 | t | 141775 | VKELAFPG SSREVDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.03 | -0.03 | t | 9589 | DPAFSLNS RAFPAPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.007 | -0.01 | -0.01 | t | 62290 | SVPSSSSTP LLYPSLALP AP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.052 | -0.052 | -0.059 | -0.06 | t | 110920 | KPSPWAP KKHRRLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.011 | -0.013 | -0.01 | t | 78288 | VDRGWG NGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.028 | -0.039 | -0.04 | t | 42928 | MVDRGW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.03 | -0.029 | t | 10820 | DWPAIWR KQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.01 | t | 31779 | KLCVWNN KTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0 | t | 117746 | ALREYRKK MDIPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.014 | -0.02 | t | 33043 | KQNIQLIN TNGSWH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.071 | -0.073 | -0.07 | t | 142128 | DSKSRDTT PKNANKH TWKKT | Felis catus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 133528 | CADQKPG EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.03 | 0.032 | t | 66845 | TTTDSSSD SQT1 | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.009 | -0.01 | t | 66693 | TTLGMHC GSFGSAPS NG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.002 | -0.02 | -0.02 | t | 98333 | PHYGKEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | -0.006 | -0.002 | t | 114462 | LTIPQNFA VVKRARN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.037 | 0.03 | 0.03 | t | 3379 | ANPNENP NANPNAN PNANPN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.031 | t | 78197 | LNPWDQV KRNAVPI PTLNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.011 | 0.01 | t | 60441 | SQGISDDD NDSAVAEF FQSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.032 | -0.033 | -0.03 | t | 78153 | FDPQIQAI VSSPCHNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.005 | -0.02 | -0.016 | t | 97776 | YKGVAFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.005 | -0.02 | -0.016 | t | 97776 | YKGVAFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.04 | -0.05 | -0.057 | -0.05 | t | 133994 | AASPALRL GGPG | Rattus rattus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.014 | t | 133542 | DGRRDVV VRSATFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | -0.007 | -0.004 | t | 116286 | CGKGLSAT VTGGQKG RGSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.017 | -0.03 | -0.032 | t | 136818 | ANFIIFRPV V | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.003 | 0.003 | 0.01 | t | 127666 | GIQPTWV PFHSTLSR EQ | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.003 | -0.008 | t | 144609 | DEKLRDYI WN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.044 | -0.062 | -0.063 | t | 98942 | PRREEGGR WG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.009 | 0.015 | t | 40074 | LTPANLIR GDNA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.003 | t | 68200 | VEGMQFD RGYLSPYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.036 | 0.02 | 0.022 | t | 11704 | EEIVPNSV EQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.046 | -0.05 | -0.048 | t | 41454 | METTVKA QPFLPKVL HKRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0.007 | -0.007 | -0.013 | t | 110955 | NQNPGSP RPGSTGT WNPSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.033 | -0.03 | t | 40129 | LTPTLAAR NATIPTTTI RHH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.021 | -0.02 | t | 123378 | KLGYWKLR G | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.002 | 0.001 | 0.002 | t | 9751 | DPRRRSRN LGKVIDTLT CGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.023 | t | 134784 | RKRSQML FRGRRASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 84423 | KKGLQQL QEWEDW VGWIGN | Felis catus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.014 | -0.01 | t | 117331 | MKLVRFL MKLSHETV TIELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.002 | -0.011 | -0.01 | t | 49213 | PRLKHEQS V | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.008 | -0.02 | -0.018 | t | 45602 | NQPGHL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.03 | -0.03 | t | 100430 | QLRRKLEF FTYSRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.04 | -0.04 | t | 21501 | GNQHVDD RPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.004 | -0.019 | -0.021 | t | 25541 | IDAVNKRG RKQNKRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.003 | 0.011 | t | 118431 | ISDAMKKV GRKGVITV KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 16956 | FLVNAWK SKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | 0 | 0.002 | t | 106235 | AGFNVPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.022 | t | 122452 | KTTKQSF LSVKAQYK KNKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.019 | -0.02 | t | 12848 | EKPTINTTR TNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.046 | -0.05 | -0.05 | t | 60796 | SRSERRKD RGGREDIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.027 | -0.04 | -0.04 | t | 136818 | ANFIIFRPV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.015 | t | 124736 | SPWSIGA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.053 | -0.05 | t | 149107 | SLAPRFPW LNPLDGW | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.023 | 0.003 | 0.002 | t | 11187 | EARQAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.001 | t | 118046 | PGHKWKE VRHDNKV TWLVSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.009 | t | 4736 | ASRDKAFA VSKDLADK L | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.026 | -0.031 | -0.039 | -0.04 | t | 33860 | KTSKRQAV PVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.024 | -0.018 | t | 118574 | RADWKKT VETQKSRI HA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.006 | 0.002 | t | 118380 | GKPIPNNL LGLDST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.023 | 0.01 | 0.01 | t | 66058 | TRLNFEDAG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.009 | -0.008 | t | 50781 | QFKDNVIL LNKHIDAY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.003 | -0.001 | 0.003 | t | 103715 | VPLDRSSH CQREEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.019 | t | 24438 | HPDSIHPL LASP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.05 | -0.057 | -0.049 | t | 118285 | DAYVLLSE KKISSIQSIV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | 0.002 | t | 67248 | TWAQPGYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | 0.002 | t | 67248 | TWAQPGYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.007 | 0.002 | t | 121774 | RALVGDEA ELPCRISPG K | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.038 | 0.02 | 0.019 | t | 100073 | GNGQGLN MNNPPNF NVDENA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.064 | 0.05 | 0.052 | t | 80092 | VTTSGGGK QG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.003 | 0.001 | t | 66852 | TTTIANNL TSTVQVFT DSEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.027 | 0.009 | 0.01 | t | 66658 | TTIPPSSP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.019 | -0.02 | t | 59375 | SLNTGWL AGLFYQHK FNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.01 | -0.01 | t | 78843 | TAAQITAG IALHQS NLN | Canis familiari s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.021 | t | 120436 | DGTKVSIS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | -0.003 | -0.001 | t | 42018 | MLNISQM QSVKKQS DQNS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.003 | 0.011 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.003 | 0.011 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.024 | 0.03 | 0.031 | t | 76584 | YYQSGLSI VMPVGG QSSFYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.031 | t | 76584 | YYQSGLSI VMPVGG QSSFYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | t | 114750 | AVSVCSE YP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.014 | -0.027 | -0.028 | t | 116688 | CYYASRND KSYWLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.024 | 0.01 | 0.01 | t | 99971 | EDVGSNK GAI | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.02 | -0.02 | t | 53858 | RGERC DLEDRDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.012 | -0.012 | t | 98957 | QIEKQAKD LAFPGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.058 | -0.067 | -0.07 | t | 64994 | TLNWPPTL WGMH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.022 | 0.009 | 0.013 | t | 18983 | GDGANAG Q | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 138242 | SQPEILERT RAEVDTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 138240 | SQPEFLEQ KRAELDTV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 138241 | SQPEILED ARASVDTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 138199 | KQYLERT RAEVDTV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.047 | -0.049 | -0.05 | t | 70651 | VQTGGTS RTVTMRYL AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 118192 | VAFSDEM VPCPVTTD M | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.023 | -0.04 | -0.043 | t | 110798 | CPTGCQL QEALLQQE RPIRN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.062 | 0.057 | 0.06 | t | 108259 | AAFSELPL G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.01 | -0.01 | t | 95196 | AAGLIMTA EPKTIVLKA G | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.009 | -0.02 | -0.02 | t | 15523 | FEEVNGIR KP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.12 | -0.12 | -0.104 | -0.12 | -0.124 | t | 144873 | ATWVDLV LEGDSLCTI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.03 | t | 9983 | DRHFLNN VC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.032 | -0.04 | -0.04 | t | 106451 | GGHWRG ANAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.058 | -0.049 | -0.048 | t | 61559 | STDNNQN GGRNGAR PKQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.046 | 0.03 | 0.029 | t | 79843 | GPKQLTFE GKPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.003 | t | 43242 | NANPNAN PNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.035 | 0.017 | 0.02 | t | 60966 | SSEEIVPNS V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.031 | t | 107127 | GEPGDDA PSGAEGPP GPQG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.037 | -0.039 | -0.04 | t | 65701 | TPPVPDVD SRGAILRR QY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.024 | -0.04 | -0.041 | t | 49692 | PTLDVRMI NI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.009 | t | 7864 | DDQPSSH QPLFY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.027 | 0.013 | 0.022 | t | 132089 | SSYDGIPLS YLSYL | Oryctola gus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.022 | -0.033 | -0.028 | t | 6914 | CRCEGLR MMMMR MQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.003 | -0.021 | -0.02 | t | 121070 | WVYYTCC PDTPYL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.017 | 0.019 | t | 134048 | EQFRRMR AAEDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.028 | -0.033 | -0.031 | t | 99750 | VEIKEGAL MLPHFNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.04 | -0.041 | t | 108610 | RKALRLSA S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 119673 | WNPDDYG GVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 130787 | EDFDIYDE DE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 23178 | GVTSAPDT RPAGSTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 23178 | GVTSAPDT RPAGSTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 23179 | GVTSAPDT RPAGSTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.02 | 0.009 | 0.009 | t | 82527 | GAATPYA GEPARPPE TLGEE | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 143678 | DRVNLRNL RGYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.03 | t | 27805 | IPCTTYQQ TTAETVEEI DMH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.023 | 0.031 | t | 132200 | CGNRGPSL RTTTVTG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.013 | t | 135847 | YPAIVETGL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.047 | 0.037 | 0.04 | t | 105086 | AGESHGP DQGHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.007 | 0 | 0.003 | t | 124730 | SMDRIEKD RLQGMAP AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.031 | t | 114211 | GSLPQKSH GRTQDEN PVVHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.051 | t | 117697 | YKQRNGW SHKDLLRL SHLKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.055 | -0.05 | -0.053 | -0.05 | t | 65863 | TQGVVKE RRWTLVN ENRPIW | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 20097 | GGYGDGG AHGGGYG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.005 | 0.001 | 0.002 | t | 8602 | DIDLGESR VVIQDYDN QHEQ | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.06 | -0.062 | -0.035 | -0.063 | -0.049 | t | 102102 | SYSMCTGK FKVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.014 | 0 | 0 | t | 47489 | PFFFS DVR SNFSKLV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.014 | 0 | 0 | t | 47489 | PFFFS DVR SNFSKLV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.014 | 0 | 0 | t | 47489 | PFFFS DVR SNFSKLV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 115148 | KAVSEKKA KGLGESRK DKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.02 | t | 135545 | DVFYPYPY ASGS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.1 | 0.1 | 0.113 | 0.1 | 0.103 | t | 1157 | AESEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.003 | -0.002 | t | 1465 | AGDGEPP EDDDSAT GLAFRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.005 | -0.008 | -0.017 | -0.02 | t | 42652 | MSRLWL MKAHGISS E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.017 | 0.02 | 0.024 | t | 37782 | LLSDTDNA AFPQMTK SYKNT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.047 | 0.031 | 0.03 | t | 80221 | AFGVGDD ESK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.039 | 0.027 | 0.03 | t | 18994 | GDGRQTIT NPAYDE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.04 | 0.02 | 0.02 | t | 54468 | RLAKLSDG VAVLKVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.033 | 0.023 | 0.02 | t | 19098 | GDRADGQ PAGDRAD GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.02 | -0.037 | -0.045 | t | 136092 | YKSQYLNN GPQRIGRK YKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.033 | -0.03 | t | 61574 | STEEFKEY KLTRPYMA RC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.031 | -0.033 | -0.03 | t | 61574 | STEEFKEY KLTRPYMA RC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.033 | -0.03 | t | 61574 | STEEFKEY KLTRPYMA RC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.008 | t | 63757 | TFTNKLKS KHTDLGK | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.003 | 0 | t | 1179 | AETFEYQIE LGGEHLVGV LLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.023 | -0.019 | t | 563 | ACHPLFDA RCGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.037 | 0.03 | 0.031 | t | 60783 | SRRGDLGS LATRVATQ | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.01 | -0.01 | t | 39219 | LRTAPGPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.015 | -0.04 | -0.04 | t | 94476 | CNPACGR HY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.015 | -0.04 | -0.04 | t | 94476 | CNPACGR HY | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.003 | -0.01 | -0.011 | t | 97104 | WVGVNLE DPASRDV VSYVN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.002 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.002 | t | 122486 | MILHPDV QRRVQQEI DDVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.002 | t | 11571 | EEEDDDM GGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.002 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.002 | t | 6015 | CAPESEIFP VSEARVLE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.013 | -0.01 | -0.008 | t | 105967 | MKRGLTV AVAGAAIL VAGLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.048 | -0.051 | -0.047 | t | 118336 | ERADLIAYL KKATNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0.002 | t | 115702 | DEAELPSRI SPGKNA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.012 | -0.019 | 0 | 0.012 | t | 66831 | TTSSHPVS | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.033 | -0.032 | t | 63164 | TDGVITYTN DCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | -0.008 | t | 111050 | VGPLDIVP EVADPGG PTLV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.008 | t | 111050 | VGPLDIVP EVADPGG PTLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | -0.001 | t | 21867 | GQGGGTH NQWNKP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.028 | -0.043 | -0.04 | t | 106391 | ELARHAKA HI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.051 | 0.047 | 0.049 | t | 108376 | GASGDIAK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 118574 | RADWKKT VETQKSRI HA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.037 | -0.039 | t | 15820 | FFHNGRFS DALRFTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.024 | 0.013 | 0.013 | t | 151198 | GGAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.017 | -0.003 | -0.01 | -0.009 | t | 102297 | AITCAHTLS IKSRRCQY VFK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 107376 | GDRSGYSS PGSPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.033 | -0.03 | t | 97035 | VGINYWL AHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.001 | -0.02 | -0.02 | t | 1478 | AGDRAGD R | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.036 | 0.031 | 0.03 | t | 66906 | TTVSTEQN VPDPQVGI TTMK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 133536 | CKPVENRA C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.016 | -0.016 | -0.033 | -0.032 | t | 8789 | DISTKEAFR LKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.008 | t | 134784 | RKRSQML FRGRRASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0.002 | t | 131956 | LPKSAKPV SQMRMA TPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.042 | -0.03 | -0.02 | t | 78983 | GPLWLHY AGAFLHP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 140996 | EEIDYDDTI SVEMKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.016 | -0.02 | -0.019 | t | 85672 | LPHSLNDH ILEPSIPWK SK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.057 | t | 139725 | EMRTRIRY NRRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.001 | 0.002 | t | 35947 | LFPTQIQV RNIMSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.003 | 0.011 | t | 118431 | ISDAMKKV GRKGVITV KD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 107455 | KAKGQPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | 0.001 | 0 | t | 131876 | FAKANKQ VCTDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 113670 | NPVVHFFK NIVTP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.054 | -0.055 | -0.06 | -0.058 | t | 48076 | PKHVKA WIPRPPRLC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 135994 | SGLAPKRP GPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.005 | t | 151630 | FSTNWM NQHRPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.065 | -0.046 | -0.057 | -0.058 | t | 56657 | RYSRNAV P NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.065 | -0.046 | -0.057 | -0.058 | t | 56657 | RYSRNAV P NV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 125318 | WWYDKK DNTC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.04 | -0.04 | t | 140595 | RHEDGDW PRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0.022 | 0.003 | 0 | t | 10131 | DSGSRT PPDELALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.062 | -0.06 | -0.06 | t | 98784 | GAKGKAA LLRELS DVVPNLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.034 | 0.027 | 0.031 | t | 139829 | MKERESQI RDEYDH VLSA | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.011 | -0.009 | t | 97547 | PFVPRAD EPARKGKV H | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.016 | -0.009 | t | 23169 | GVTHDQL NNFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.016 | -0.001 | -0.001 | t | 39169 | LRPTFDTR LMRLEDE MKEGR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.033 | -0.03 | t | 42980 | MVPKQGPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.019 | -0.02 | t | 20095 | GGWYSFD SPYLMSITE MRLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.019 | -0.02 | t | 63831 | TGGAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.013 | -0.019 | -0.02 | t | 63831 | TGGAAAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.065 | -0.06 | -0.058 | t | 127751 | NQAQVQR YVACHTEG KAKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.09 | -0.09 | -0.083 | -0.089 | t | 144901 | GRGRGRG RGRGGGR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.04 | 0.023 | 0.02 | t | 8335 | DFWGNPL MYNKEYY MFNAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.016 | -0.008 | t | 65784 | TPTGVHIA PVQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.02 | -0.02 | -0.018 | t | 156865 | EQATCDH TNEWCAK MM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | -0.003 | 0.004 | t | 49534 | PSTPGERV RH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.01 | -0.003 | -0.002 | t | 99016 | SSRDQSSY LQGFSRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.001 | 0 | t | 46379 | NVFQTQA GCLIGAEH VD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.031 | -0.005 | -0.02 | -0.021 | t | 125211 | QHWSYGL RPG | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.022 | -0.027 | -0.03 | t | 17839 | FSRQFLIPY DPEHHYK VFSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.037 | 0.013 | 0.011 | t | 14949 | EWRRYMS DIHGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.009 | -0.005 | t | 133548 | DSSWYTW QPPTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.005 | -0.02 | -0.018 | t | 25964 | IERMKDTL RI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.049 | -0.059 | -0.06 | t | 120810 | MVNKSR MMPAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.03 | -0.03 | t | 100672 | YVGLANAY SHFYDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0.003 | 0 | t | 939 | AEGEFRLG VRALRKAP DPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.003 | t | 47045 | PCSICSNN PTCWAICK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.01 | t | 122135 | LDSRRSYR VRESGLNG VVKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.006 | 0.001 | 0 | t | 133733 | VKTLLPYG SVINYGY VKPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.019 | -0.027 | -0.03 | -0.028 | t | 59807 | SNDVSWH EWKRMYN KEYNG | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.027 | 0.009 | 0.01 | t | 66659 | TTIPPSSPP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.009 | -0.02 | -0.019 | t | 36045 | LGAARGYT FGAC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.011 | -0.01 | -0.012 | t | 79998 | REARSGRL SQLRE | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 143674 | DRVALRNL LRRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.045 | -0.04 | -0.039 | t | 49876 | PVGRLVTV NPFVSMA TANAK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.002 | t | 121064 | WKHWVY YTCCPDTP YLDITY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.023 | -0.02 | t | 14386 | ETGERSVL TVPSTDIEK EIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 133663 | PNKHQRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | 0.004 | -0.007 | -0.008 | t | 95319 | DMGSLAA R | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.009 | 0.013 | t | 130455 | CQGNQDS FTPVVCAA C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.003 | 0 | t | 1179 | AETFEYQIE LGELHVG LLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.021 | -0.02 | t | 71844 | VVSWKNK EL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.008 | -0.021 | -0.02 | t | 71844 | VVSWKNK EL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.02 | 0.02 | t | 42413 | MQSWVPL STDDPVID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.011 | -0.01 | t | 137906 | KGLRKSNA AERRGPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.01 | t | 48084 | PKINRSAP EPSL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.041 | -0.05 | -0.048 | t | 66298 | TSLHRGPH GFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.05 | -0.05 | t | 135971 | PRPRDRSG LAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.04 | -0.043 | -0.039 | t | 130509 | HKKDFAR GPGWS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.01 | t | 108498 | KIHAREIFD SRGNPTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.003 | 0.01 | t | 132365 | HKYSWKS WKGAKIIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.02 | -0.018 | t | 149242 | AALILSKHP NWTNTQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.038 | 0.019 | 0.018 | t | 99824 | ITQSTQSF N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.029 | -0.047 | -0.04 | t | 124603 | QHWSYPL RPG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.029 | -0.047 | -0.04 | t | 124603 | QHWSYPL RPG | Canis familiari s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.032 | -0.03 | -0.028 | t | 105905 | KPRGVTH D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.034 | -0.04 | -0.04 | t | 34986 | LATRLMKK FKAIRDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.053 | -0.06 | -0.061 | t | 142484 | WRMAGQ KRTSGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.007 | t | 129973 | SPRSFQKK T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.04 | -0.051 | -0.047 | t | 103251 | HDHRIWP LDVTA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.083 | -0.08 | t | 149110 | SRAPRFP WLNPLDG W | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | -0.007 | -0.011 | -0.01 | t | 52042 | QQINHHW HKSGSSIG KAFTT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.01 | t | 123326 | IMHHMPG Q | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.011 | -0.021 | -0.02 | t | 47134 | PDKQDYQI RMAKSS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.027 | 0.02 | 0.022 | t | 159288 | LLHYSTISQ DNLDISFG ELQ | Aotus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | t | 136083 | SEGAEYDD QTSQREKE DDK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.03 | -0.04 | -0.04 | t | 57743 | SFDVPSKQ PTIDIDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.033 | -0.03 | t | 60283 | SPTHRINA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.023 | 0.023 | 0.024 | t | 48817 | PPLENRVL TG | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.008 | 0 | -0.002 | t | 8388 | DGGGGHS HDSGHGG GD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.017 | 0.003 | -0.001 | t | 20680 | GKSKRDAK NNAAKLA VDKLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.011 | -0.01 | t | 40104 | LTPKELD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.006 | 0 | 0 | t | 22885 | GTVVLELQ YTGTGKPC KVPI | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.028 | t | 18587 | GAGGGAG AGGAGAG GGGRGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.055 | -0.067 | -0.06 | t | 123729 | SDFLGDRQ Y | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.074 | -0.067 | -0.071 | -0.07 | t | 89665 | TQQGGAY GRCPNGT RA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.03 | -0.037 | -0.039 | t | 72052 | VYILIAVCL GGLIGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0 | -0.003 | -0.011 | -0.009 | t | 137829 | DWTFQTL VMLETVP R | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.001 | 0.002 | t | 17929 | FTDSVRDP KTSEILDIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.023 | -0.02 | t | 70259 | VPCSICSN NPTCWAI CK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.027 | -0.029 | t | 144639 | FAQAYAR GIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.03 | -0.029 | t | 142480 | VAAVTEKL RAGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.034 | 0.017 | 0.02 | t | 95922 | TPEVDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.018 | t | 30092 | KCTNTDRP PFCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.019 | 0.018 | 0.025 | t | 56330 | RVKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | -0.003 | 0 | t | 3650 | APLTAVAP AHDTPPV PDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.021 | 0.007 | 0.01 | t | 17418 | FPTFPDGH DY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.018 | -0.02 | t | 22806 | GTRTIASP KGPVIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.01 | -0.02 | -0.02 | t | 51012 | QHLLSPNV RPPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 119523 | SDYKSAHK GFKGVDA QGTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.011 | t | 122790 | HQEEDFR VTCKDIQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | -0.003 | 0 | t | 751 | ADPVTTEG DYVVKISEF YGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.058 | 0.049 | 0.052 | t | 29751 | KAALIEEG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.03 | -0.031 | t | 109247 | GSAGAPGI AGAPGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.006 | -0.01 | -0.01 | t | 66099 | TRSIRKFNT MQQCIDF TFSD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 63122 | TDAYNQKL SERRAN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 43317 | NATAEGR AINRRVE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.005 | t | 37657 | LLPHSNLD HI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.005 | t | 48093 | PKKPENK LKQPNE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.005 | t | 9722 | DPPPPNP NDPPPPN PN | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 4331 | ASARGDLA HLTTTHAR HLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.016 | -0.01 | -0.012 | t | 56917 | SANMPTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.004 | -0.02 | -0.022 | t | 141622 | DPNGWTG TDNNFSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | 0.006 | 0.01 | t | 24786 | HSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.027 | 0.03 | t | 18859 | GCDADAT CTEEDSGS SRKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.023 | -0.027 | -0.016 | t | 115630 | NFDKLYIW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.006 | 0.003 | 0.012 | t | 1366 | AFNPAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.04 | 0.03 | 0.031 | t | 63231 | TDSGDGR QTITN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.026 | 0.01 | 0.01 | t | 68248 | VEKNITVT ASVDPVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.014 | -0.04 | -0.043 | t | 53164 | RAMAGRC RLLLSIGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | -0.007 | 0 | t | 104017 | KTKRNTNR RPQDVKEP GGGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | 0.002 | -0.01 | -0.01 | t | 139900 | SNAPNSPS SSAIAAAA AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.049 | -0.049 | -0.048 | t | 9619 | DPDYVPPV VHGCP LPP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.006 | -0.009 | -0.01 | t | 38194 | LNDRVVVT P | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.03 | -0.039 | -0.042 | t | 25073 | HVNGRTT ALVGLLTP AKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.026 | 0.027 | t | 107951 | KTTICGKG LSATVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.019 | -0.02 | t | 59375 | SLNTGWL AGLFYQHK FNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.017 | 0 | 0 | t | 45628 | NQSLLETH | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.01 | t | 98437 | SAPRHKFQ QVEEANL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.008 | -0.019 | -0.022 | t | 54489 | RLCAGGAS LIEPVYALR CAE | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.024 | t | 138189 | HILGSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.04 | -0.05 | -0.05 | t | 21471 | GNLNTIRT RVHE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.005 | -0.03 | -0.03 | t | 94477 | CNPACGR HYS | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.005 | -0.03 | -0.03 | t | 94477 | CNPACGR HYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.048 | t | 135571 | LFRGRRAS Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.015 | 0.003 | 0 | t | 49072 | PQPQWTP E | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.035 | -0.021 | -0.014 | t | 68813 | VGVIKSIAP ASKNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.013 | t | 146813 | DAEFGHD SGFEVRH QK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.037 | 0.041 | t | 144756 | QVGTHPG LANDYEYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.005 | t | 28676 | ISQAVHAA HAEINEAG R | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.03 | -0.022 | t | 106649 | MHRLYHV PAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.033 | -0.031 | t | 134029 | DEDENQS PRSFQKKT R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0.001 | 0.006 | t | 54726 | RLQVLDD HYR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.009 | -0.029 | -0.03 | t | 30937 | KGGIVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.021 | -0.02 | t | 142409 | DTRIAQQI WLRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.008 | -0.02 | -0.021 | t | 89849 | VAFNRFH VGTHPAP GKTNLY | Aotus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.039 | -0.051 | -0.05 | t | 135954 | LNTGWLA GLFYQHKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.005 | t | 114125 | HYGSLPQK SQRSQDE NPV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.047 | -0.051 | -0.046 | t | 89868 | VAPGIVIPP KAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.019 | t | 46885 | PAPNASL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 129060 | KEIKKVAT PKKASKPK K | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.031 | -0.021 | -0.02 | -0.018 | t | 27608 | INDISHTQ SVSSKQRV TGLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.043 | -0.04 | t | 149111 | SRSRFPW LNPLDGW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.017 | -0.018 | t | 7971 | DEENRKRI EARNLEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.053 | -0.05 | t | 94738 | WAICKRIP NKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.025 | 0.009 | 0.008 | t | 96888 | SKVLHLEG EVNKIKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.036 | 0.017 | 0.018 | t | 26239 | IGHADFGG R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.011 | t | 2806 | ALNYQAQ ALEEIIKYR YNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.021 | -0.02 | t | 32408 | KMTVEAV KAKKTIL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.003 | -0.007 | -0.008 | t | 51871 | QPLNLSLA AWP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.026 | 0.028 | t | 96447 | KEEEEDKK RK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.013 | 0.02 | t | 144708 | KLSDSALD TMWR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.018 | t | 125185 | NSSSSQFQ IHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.035 | -0.03 | -0.028 | t | 156693 | IYVNVEPT FQRTLHKT K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.001 | -0.009 | -0.01 | t | 96862 | SDFFPSVR DLLDTASA LYRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.047 | -0.04 | t | 136005 | TVAQSRRR GDMS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.04 | -0.053 | -0.05 | t | 28603 | ISLTEWSM WYRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.007 | 0.01 | t | 25092 | HVSPAHYV PESDAAAR VTAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.002 | -0.009 | -0.01 | t | 50746 | QFDEMEE CSRHIPYLA EGQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | -0.007 | 0.002 | t | 124189 | GHPLAPP QA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.015 | t | 70398 | VPNLRGDS QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.033 | -0.03 | t | 45990 | NSSSFNTT QGWHHP SQRLLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.003 | 0.002 | t | 95747 | QVLAQKV A | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.014 | 0.003 | 0.002 | t | 95747 | QVLAQKV A | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.03 | -0.041 | -0.04 | t | 45456 | NPPRPRM MVLTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.032 | -0.047 | -0.05 | t | 7788 | DDGPYAPF PPRPRFRR ALRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.013 | -0.03 | -0.03 | t | 114120 | GILDSIGRF FGGDRG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.017 | t | 130461 | CWNYCLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.016 | -0.023 | -0.028 | t | 119037 | TRPGMTR PDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.021 | -0.027 | -0.03 | t | 15315 | FCAKSPRY TLDSVNGY PKIY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.037 | -0.041 | -0.037 | t | 103551 | RILTLPRSN PS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.017 | -0.012 | t | 144324 | GVSTITAD EIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140475 | IQDTRNAV RASRIQYH HDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | t | 140475 | IQDTRNAV RASRIQYH HDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.013 | -0.027 | -0.03 | t | 43219 | NALYPMS PLLQECLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.007 | -0.013 | -0.009 | t | 8544 | DHILEPSIP WKSLLTL VQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.016 | 0.003 | 0.002 | t | 11081 | EAIPALTA VETGHTSQ V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.047 | -0.04 | t | 132376 | IEPRSFSQ NPPVLKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 107482 | KGEPGLPG RGFPGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 120002 | KSRSDLMF EKQSERHG LARR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.019 | -0.03 | -0.029 | t | 93373 | MDKVLNR EESL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 113625 | LQVVRD GNEIKRSA MPADA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.01 | t | 113625 | LQVVRD GNEIKRSA MPADA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.006 | -0.02 | -0.02 | t | 57707 | SEYPSQPP SPSN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.013 | 0.019 | t | 112406 | YEYLVNVIH AFQYV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | -0.003 | 0 | t | 110967 | PRKLPQLC TELQTTI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.041 | -0.05 | -0.05 | t | 45190 | NNNLTLVP AVVGKPG SDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.006 | t | 52020 | QQFGRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.017 | 0.013 | 0.013 | t | 130622 | TGLVAQG TDSIG | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | -0.003 | 0.001 | t | 69172 | VIYTPNKF VF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.027 | -0.02 | t | 126209 | HCQGDGY RVGFGQC A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.033 | 0.019 | 0.021 | t | 16635 | FLGWVEQ LVYDFTDE TSEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.007 | -0.015 | -0.02 | -0.019 | t | 19093 | GDRAAGQ PAGDRAA GQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | -0.004 | 0 | t | 72476 | WGILSRAA TNSGWVG LIPHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.003 | t | 47650 | PGFMFSR PSDPAFAA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.011 | -0.012 | -0.013 | -0.007 | t | 34335 | KWVNGRE I | Macaca fuscata |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.007 | t | 34335 | KWVNGRE I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.004 | -0.023 | -0.023 | t | 42476 | MRLAENIP SRCNLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.031 | -0.03 | t | 30263 | KDTNNNL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.03 | 0.007 | 0.008 | t | 59430 | SLRECCQE LQEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.031 | -0.039 | -0.04 | t | 96955 | TGVRRGD LAHLAAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0.001 | t | 130987 | NPVENM MDRDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.009 | 0.001 | t | 101054 | MASPGSG FWSFGSE DGS GDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.019 | -0.018 | t | 4059 | AQRVEFLL KAWAEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.013 | -0.01 | t | 25126 | HWGNHSH SHPQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.02 | -0.02 | t | 5558 | AVTFASFD VPSKQPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.018 | 0.013 | 0.024 | t | 119488 | LGIWTYDG TKVSISPES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.036 | 0.033 | t | 104938 | PSRLVNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.001 | -0.009 | -0.01 | t | 120481 | EHLKLNGK VLAAMYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.039 | t | 7492 | DAEFRHDS GYEVHHQ KL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.015 | 0.003 | 0 | t | 75475 | YQEERPPE | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.016 | -0.02 | -0.02 | t | 74895 | YLRHGKLR PFERDISN V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.033 | -0.057 | -0.062 | t | 34192 | KVRNWRE SM | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.013 | -0.01 | t | 143845 | DLFVTAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.032 | t | 24167 | HKYSSDLLQQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.034 | -0.052 | -0.053 | t | 98942 | PRREEGGRWG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 45588 | NQMDMKQIDPWIA RFDTDKD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.018 | t | 107303 | AWKYENGNDKHYADSVNG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.027 | -0.04 | -0.04 | t | 138089 | WLRPPTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.03 | -0.03 | -0.027 | t | 47860 | PHWIKKP NRQGLGYS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.034 | 0.03 | 0.034 | t | 95031 | NAYANEEATKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.004 | -0.02 | -0.02 | t | 68996 | VIITFKSGA T | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.041 | -0.03 | t | 118540 | NPVEIRRGVMLAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.033 | -0.03 | t | 110873 | GSGTGGR TGYIPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.047 | 0.029 | 0.03 | t | 45006 | NMMRFTE LSTPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.047 | 0.029 | 0.03 | t | 45006 | NMMRFTE LSTPS | Mus musculus |

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|---|------|---|---|-------|--------|-------|-------|-------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 111359 | GPAGQAE PDRAHYNI VTFCC | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 111359 | GPAGQAE PDRAHYNI VTFCC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.06 | t | 111359 | GPAGQAE PDRAHYNI VTFCC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 150204 | FHSVVHTL LEWLMEK ELMV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 123282 | HACQKKLL KFEALQQE EGEE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 125211 | QHWSYGL RPG | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122536 | QAQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122293 | CTYVLDPE NLTLKAPY EA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122293 | CTYVLDPE NLTLKAPY EA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 123282 | HACQKKLL KFEALQQE EGEE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 123058 | CEDFTKKIE AFYRASPH AAR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 125209 | QFQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 125209 | QFQIHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.005 | t | 123282 | HACQKKLL KFEALQQE EGEE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 131313 | SQWSRSA SRNRRHVT EEADV | Callithrix pygmaea |

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|---|------|---|---|---|-------|---|---|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 125055 | FVYGGCQ GNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122536 | QAQIHGP R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 123058 | CEDFTKKIE AFYRASPH AAR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.005 | t | 123282 | HACQKKLL KFEALQQE EGEE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.005 | t | 123221 | GENHAKS KAVPYSE MYAN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 123221 | GENHAKS KAVPYSE MYAN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 123221 | GENHAKS KAVPYSE MYAN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122915 | THKANPSP EPNMHEC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 123016 | AIYENEIHA LWADLP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122516 | PGGGTLPP SG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122915 | THKANPSP EPNMHEC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 131296 | EVGLHECG NSMQVTD DAL | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.005 | t | 122933 | VEGTDAA GRRVTNTK VLRCP | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 131295 | ECQEATL MVMVSK DLFGTGK | Callithrix pygmaea |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0 | 0.005 | t | 123058 | CEDFTKKIE AFYRASPH AAR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122290 | CSNSSSSQ FQIHGPRQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 74871 | YLPVGGLR RIGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.005 | t | 12375 | EHWSYGL RPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 25140 | HWSYGLR PG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 25140 | HWSYGLR PG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 12375 | EHWSYGL RPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.037 | 0 | 0 | 0.005 | t | 12794 | EKLIEDDE NSQC | Papio cynocephalus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 13871 | EQLIEKLIE DDKNSQ | Papio cynocephalus |
| 1 | 1.00 | 1 | 1 | 0 | -0.037 | 0 | 0 | 0.005 | t | 12794 | EKLIEDDE NSQC | Papio cynocephalus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 12794 | EKLIEDDE NSQC | Papio cynocephalus |
| 1 | 1.00 | 1 | 1 | 0 | -0.037 | 0 | 0 | 0.005 | t | 13871 | EQLIEKLIE DDKNSQ | Papio cynocephalus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.034 | -0.03 | t | 135905 | CLFDRRLC SHLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.017 | t | 133534 | CKLTANPS LAAVV | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.03 | -0.03 | t | 12412 | EIDAPRVF DARFSRHY SVQL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.03 | -0.03 | t | 12412 | EIDAPRVF DARFSRHY SVQL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.015 | -0.03 | -0.03 | t | 102823 | SSSIKIWN KLGWNTVI AGTR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.004 | -0.007 | -0.009 | t | 75954 | YTASTRGD LAHLTAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.01 | -0.02 | -0.02 | t | 38609 | LPNWVKV WDRATNK C | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.01 | -0.02 | -0.02 | t | 38609 | LPNWVKV WDRATNK C | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.023 | -0.021 | t | 115482 | SERYLGYLE QLRLKKY KVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.007 | -0.01 | t | 26801 | IKGVIVHRL EGVSYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0 | t | 7059 | CSQHCPYI EQGMML AEQFKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.008 | t | 121346 | GPGHPIRA LVGDEAEL PC | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.007 | -0.01 | t | 42277 | MPHKLEK ADLLKAIQ EQLIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.01 | t | 121077 | YFILPDSLP LDTLLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.01 | t | 55275 | RPPTPWPI SQSDRAS YMDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.008 | t | 37753 | LLRQARER P | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.003 | -0.011 | -0.01 | t | 20267 | GIGAVLKV LTTGLPALI SW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.018 | -0.013 | -0.03 | -0.032 | t | 114132 | KSHGRTQ DENPVVH F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.013 | -0.03 | -0.032 | t | 114132 | KSHGRTQ DENPVVH F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0.002 | t | 121064 | WKHWVY YTCCPDTP YLDITY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.001 | 0 | t | 133548 | DSSWYTW QPPTW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.066 | 0.05 | 0.053 | t | 136061 | ETQAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.011 | t | 118734 | AEFRHDSG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0.001 | t | 20059 | GGTWGQ PHGGGW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.001 | 0 | t | 48870 | PPPPSSPT HDPPDSD PQIPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.013 | 0.012 | t | 50746 | QFDEMEE CSRHIPYLA EGQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.011 | -0.01 | t | 100046 | FRHDSGYE VH | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.073 | 0.079 | t | 149035 | EGSGTTK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.037 | 0.023 | 0.028 | t | 156878 | GQKKKCV RDCLPAT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.032 | -0.039 | -0.04 | t | 35174 | LDHILEPSI PWKSK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.026 | 0.02 | 0.023 | t | 22793 | GTQFTFDS WNYSFED NYS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.007 | 0.01 | t | 107243 | STKPSSIGT LHTSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.019 | t | 120412 | ASKEKQEN KIFADDIDI SD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.008 | -0.007 | 0 | t | 8927 | DKLIDYAA SGDPTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.023 | 0.007 | 0.01 | t | 47537 | PFPEVFGK EK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.008 | -0.019 | -0.02 | t | 141558 | RTLQNYK ATHGNTV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.03 | -0.027 | t | 79299 | LRVYVWA DDW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.019 | t | 131050 | RRAEITHP GMMLASG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.036 | 0.031 | 0.03 | t | 60441 | SQGISDDD NDSAVAEF FQSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | -0.003 | 0.002 | t | 147380 | VNIKFSGV CHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.011 | 0.011 | 0.012 | t | 78833 | SLDSPSP PREPLRPS RSLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.001 | t | 80041 | SVAMKPY EVTPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.001 | t | 80041 | SVAMKPY EVTPT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.008 | t | 93108 | KLGLRQVT GVTRVTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.059 | -0.063 | -0.059 | t | 124384 | KRSRHF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.019 | -0.018 | t | 22786 | GTPSMDA LSALLSNTL SLAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.032 | -0.04 | -0.042 | t | 24706 | HRRTKAP KRIRLPHIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.021 | 0.013 | -0.01 | -0.01 | t | 133960 | WIVNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | -0.003 | 0.001 | t | 24315 | HLVEKGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.026 | 0.013 | 0.011 | t | 63086 | TCMTTAQ GTSMYPSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 122947 | WTQEPQP LEEKWQH RVVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.001 | t | 117569 | LKYYLAPKI EDEEGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.027 | 0.016 | 0.011 | t | 116096 | GFGYGGR ASDYKSAH K | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.077 | t | 143687 | FRVNLRTL RRYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.042 | 0.02 | 0.02 | t | 100832 | ESADPV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.05 | -0.048 | t | 118012 | MAPPPG MRPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.01 | t | 120872 | PLIKNPDV KSAI | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.02 | 0.01 | 0.011 | t | 96835 | RQQWELQ GDRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.006 | -0.01 | -0.01 | t | 18509 | GAAILVAG LSGCSSNK STTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.054 | 0.039 | 0.042 | t | 66062 | TRLNPDLQ PTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.005 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.083 | -0.08 | t | 149111 | SRSRFPW LNPLDGW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.029 | t | 133835 | GDCFFGFL NSPWRVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.017 | -0.001 | -0.002 | t | 59810 | SNEFAPVQ NLTGSSVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.031 | -0.031 | t | 110804 | DIMRLREK LQEEMLQ REEAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 140459 | EHWSHD MFSPGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.028 | -0.037 | -0.041 | t | 14974 | EYANFRLT ASLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.006 | -0.02 | -0.019 | t | 100579 | TTTHARHL P | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.031 | -0.029 | t | 22401 | GSLAAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.021 | 0 | 0 | t | 33107 | KRAASKVS ARLLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.021 | 0 | 0 | t | 33107 | KRAASKVS ARLLTV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.053 | -0.052 | t | 5247 | AVADVTP KQLKAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.018 | -0.018 | t | 106597 | LDLKRTTT THTSGGG C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | 0.006 | -0.01 | -0.01 | t | 33892 | KTTTKPTK KPTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.02 | t | 112754 | ASQYRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.001 | 0 | 0.002 | t | 30715 | KFDTKGSA KTIEATLHC YGA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.027 | 0.03 | t | 50009 | PVVVGTT DRLGNPTY SWGEM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 151711 | RATHQE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 151652 | HWWRAE SDEARRCY NDPKC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 151763 | WYRATHQ E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 124739 | SQFNHSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 124205 | GPLQLGM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122775 | GIFNTGLK MFPDLTK VYST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 125297 | VFFEEQED EIIGFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122917 | TKVYSTDIF FILEITDNP Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 124736 | SPWSIGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 126757 | NKPLITVT NSKY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 122766 | FQGLCNET LTLKLYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 124590 | PSPRSQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 11571 | EEEDDDM GFGFLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 11571 | EEEDDDM GFGFLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.01 | t | 48084 | PKINRSAP EPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.017 | 0.021 | t | 78410 | GSCFEIKCT KPESCSGE AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.01 | t | 38599 | LPNNTAS WFTALTQ H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.003 | -0.011 | -0.01 | t | 36803 | LKARDIND IFAILKN | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.003 | -0.011 | -0.01 | t | 36803 | LKARDIND IFAILKN | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.023 | -0.039 | -0.04 | t | 84138 | IYGLIAKKQ S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.029 | t | 48869 | PPPPRVQP RKTKSV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.002 | t | 76590 | YYRENMY RYPNQVYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.02 | -0.018 | t | 277 | AALFYAHK FNSSGCPE RMAS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.034 | 0.02 | 0.02 | t | 97288 | ETQLTTAG LRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.074 | -0.07 | t | 32145 | KLRRSTN WG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.017 | -0.003 | 0 | t | 13714 | EPMIGVN QEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | -0.003 | 0 | t | 72476 | WGILSRAA TNSGWVG LIPHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.033 | -0.037 | t | 113514 | HHPARTA HYGSLPQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.017 | 0.019 | t | 107211 | LTTEPDTT KFWPAPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.012 | t | 137288 | SDLSVIGH PIDSE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117463 | DTIRVDVE PKVKSKKR EAVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 117463 | DTIRVDVE PKVKSKKR EAVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.033 | -0.032 | t | 95924 | TRAEGLYS MLVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.003 | 0.011 | t | 122945 | WELTE LDS VGTHLPQE RC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.021 | -0.02 | t | 142436 | KVAATSLE RWQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.028 | -0.041 | -0.04 | t | 142422 | GAILVDFW AEWC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.003 | t | 151676 | KVDFPQD QLATLTGR I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3693 | APPPPEHR GGPEEFEG AGDG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | t | 3693 | APPPPEHR GGPEEFEG AGDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 107482 | KGEPGLPG RGFPGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | -0.008 | t | 50009 | PVVVGTT DRLGNPTY SWGEM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.01 | -0.021 | -0.017 | t | 103196 | GCMGYDH RSGCV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | -0.003 | -0.002 | t | 95924 | TRAEGLYS MLVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.04 | 0.021 | 0.02 | t | 43530 | NDTGKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.017 | 0 | 0 | t | 8832 | DKAAAICF RNSMDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.019 | t | 133665 | PVLLFCFLA GRCVSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.043 | -0.039 | t | 125509 | NLYSNRSA VTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.027 | -0.032 | t | 17262 | FPCDRLSG YWERGIPS PCVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.003 | -0.013 | -0.01 | t | 35810 | LFDGRDN GAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.03 | 0.017 | 0.019 | t | 98982 | REREREED WRQPRED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 267 | AALASLFLS GPQQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.021 | t | 75440 | YPYCGHAL CPGLYADA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.029 | -0.029 | t | 14190 | ESKLTPPPL NPIRVV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.008 | -0.019 | -0.02 | t | 50745 | QFDEMEE CSKHLPLV EHGLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.04 | t | 78946 | DAWCGR GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.029 | -0.04 | -0.041 | t | 141979 | PKKRVV PNFERKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.027 | 0.03 | t | 30709 | KFDQGW GPITYAEPTK DPDQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.025 | -0.04 | -0.042 | t | 31063 | KGSSGY CAWPACYCY | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.021 | -0.02 | t | 73257 | WYAMEIR PVHDQGG LVRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.028 | -0.03 | -0.027 | t | 44572 | NKPSKPK TNLKH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.01 | t | 79420 | THDWLWE WAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.007 | -0.007 | t | 106092 | RSGYSS PGSPGTPGSR SR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.01 | t | 10888 | DYGGDST TPRPRYNAT TYLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.033 | 0.039 | t | 144756 | QVGTHPG LANDYEYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.054 | 0.041 | 0.04 | t | 73843 | YFKDCL FKDWEELGE E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.016 | -0.033 | -0.03 | t | 52638 | QTTKPKE VPTTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.004 | t | 24391 | HNNQRL MLYGMH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.04 | 0.027 | 0.022 | t | 127967 | EVDLLIGSS QDDGLINR AKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.011 | 0 | 0 | t | 92900 | HEALREPR KLERTISK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.01 | -0.01 | t | 100613 | VLAVRVV NDHNPTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.018 | 0.016 | t | 144355 | IICKESISVS SEQLAQF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.054 | -0.05 | t | 117779 | CVSYRNPA E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.01 | t | 29899 | KANGNGS GDNGDTT W | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.042 | 0.033 | 0.041 | t | 132727 | VTNEVHT WTEQYKF Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.006 | -0.01 | -0.008 | t | 70934 | VSFQPDYP ITARIH | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.013 | -0.01 | t | 11055 | EAGKHSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.01 | -0.008 | t | 108378 | GFAGQAG PAGATGA PGRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.001 | 0 | 0.002 | t | 122108 | GVGVELE NSMGGLN F | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | -0.002 | t | 14191 | ESKVQDII DLIDH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.028 | t | 146786 | AVNGDW PLPTKLPLV GGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.023 | 0.021 | t | 27640 | INGKTKSV FFEGNGRE D | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0 | -0.017 | -0.012 | t | 133802 | DSPAPIIKL GG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.017 | -0.012 | t | 133802 | DSPAPIIKL GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.005 | -0.01 | -0.01 | t | 103839 | DAEFRHDS GYEVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.053 | -0.052 | -0.06 | -0.06 | t | 110920 | KPSPWAP KKHRRLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.011 | -0.009 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.012 | -0.011 | -0.009 | t | 44880 | NLSSDIIGQ LELMPNIE RF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 131087 | SSPPCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | -0.001 | t | 48993 | PQEQTQH GSPYGRCA NK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.004 | 0 | -0.001 | t | 48993 | PQEQTQH GSPYGRCA NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 16956 | FLVNAWK SKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.003 | 0 | t | 8050 | DEKTS DGR SVKSVVTK DSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.003 | 0 | t | 8050 | DEKTS DGR SVKSVVTK DSES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.003 | 0 | t | 8050 | DEKTS DGR SVKSVVTK DSES | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.008 | 0.011 | t | 74849 | YLNSSLYR GTKFIIKKY AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.03 | t | 72178 | VYVEELKP TPEGDL EIL LQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.03 | -0.03 | t | 153904 | VVEQLGH ETQIH IQIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | -0.002 | -0.002 | t | 98887 | LQGFSRNT LEAAFNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.031 | -0.039 | -0.04 | t | 64888 | TLKYFGGF NFSQILPD P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.02 | -0.01 | t | 62339 | SVSVGCKP VPRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.041 | -0.042 | t | 742 | ADPNRFR GKNLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.033 | -0.041 | -0.042 | t | 742 | ADPNRFR GKNLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.03 | t | 144583 | ACGIPINY NASKEWA DKKVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.023 | -0.021 | t | 99572 | QGRQQEQ QFKRELRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.021 | -0.02 | t | 38639 | LPQDAVSR TQRRGRT G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.017 | -0.021 | -0.02 | t | 38639 | LPQDAVSR TQRRGRT G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.009 | t | 46469 | NVRYSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.007 | -0.001 | 0.002 | t | 134829 | YSHVHALS TYAR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | -0.003 | 0 | t | 751 | ADPVTTEG DYVVKISEF YGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 104059 | LTSSSQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.004 | -0.02 | -0.021 | t | 25541 | IDAVNKRG RKQNKRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.002 | t | 10799 | DWDFNPN KDTWPDA N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.031 | 0.023 | 0.022 | t | 106692 | NTWKSWK RVDNNTD G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.03 | -0.032 | t | 23077 | GVNPNNA AGLPGKC G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.005 | -0.02 | -0.022 | t | 142881 | LRGYNQS EGGSHTI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108898 | EIDGPAGQ AEPDRAH YN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | t | 108898 | EIDGPAGQ AEPDRAH YN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.022 | -0.029 | -0.028 | t | 63895 | TGMQSW VPLSTDDP V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.03 | 0.029 | t | 121045 | VNKMTSDI DIGTTVDL YKDL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.045 | -0.061 | -0.061 | t | 78895 | YTHFAKAA RFRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.02 | t | 130447 | AVKIQAAF RGHIAREE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.033 | -0.031 | t | 99372 | KEGALMLP HFNSKAM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.01 | -0.01 | t | 47345 | PELFRQFY QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.003 | -0.001 | 0.003 | t | 3396 | ANQPGHL APLGEIRPS APPL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.029 | -0.029 | -0.04 | -0.042 | t | 95144 | SCPYVTYG KFCIKPDG L | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.057 | -0.022 | -0.043 | -0.052 | t | 98681 | AEKTKIPA VF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0.003 | 0.002 | t | 50745 | QFDEMEE CSKHLPLV EHGLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.033 | -0.03 | t | 106775 | RHAKAHIL RW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.021 | 0.02 | t | 31664 | KKPNRQG LGYSPSY NDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.014 | -0.009 | -0.008 | t | 55987 | RSVHDVVL VGGSTRIP KVQS | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.043 | -0.051 | -0.05 | t | 142441 | LFSPWLRV QNHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.028 | -0.04 | -0.04 | t | 27745 | INTILNNIY VLYALR | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 125605 | YKEKSKFQ DTHNNAH YYVFF | Cricetulu s migrator ius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 10227 | DSSAHGTP STPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 7491 | DAEFRHDS GYEVHHQ K | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 43248 | NANPNAN PNANPNA NPNANP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.01 | 0 | t | 106984 | VSIFPPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0.003 | t | 130452 | CGVKSLLT SMYCAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0.001 | 0.002 | t | 51083 | QIINTY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.017 | t | 130908 | ITRTTLQSD QEEIDY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.007 | 0.011 | t | 51258 | QKTAASY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.004 | 0.017 | 0.01 | 0.011 | t | 123283 | HAEQKKLL KFEALEQE KGKE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.012 | -0.021 | -0.019 | t | 1225 | AEVSYVHV NGAK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.01 | t | 121077 | YFILPDSLP LDTLLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.011 | t | 130936 | KWNEANR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.007 | 0.01 | t | 74367 | YISDAFSLD VSEKSGNF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0 | -0.009 | -0.01 | t | 27685 | INLRTNNS ATIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.01 | t | 38271 | LNLTTASV PMLRWYA ERFCF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.045 | -0.05 | -0.048 | t | 78615 | CPGHANR KQCGG | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.003 | 0.012 | t | 118337 | ERADLIAYL KKATNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.017 | -0.011 | t | 119745 | AKLFKDYS SVVRPVED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.055 | -0.063 | -0.059 | t | 53023 | QYPWRLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.026 | -0.037 | -0.04 | t | 67667 | VALGPQG RRRYILT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.052 | 0.04 | 0.043 | t | 94496 | EEEEYMP MEDLYLDI LPEE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.047 | -0.05 | -0.05 | t | 70651 | VQTGGTS RTVTMRYL AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.063 | -0.07 | -0.07 | t | 108551 | NDSLNTGF LAFLFYTKK | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.013 | -0.008 | t | 71346 | VTGSVVCT TAAGNVNI AIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.013 | -0.008 | t | 71346 | VTGSVVCT TAAGNVNI AIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.01 | -0.021 | -0.017 | t | 103196 | GCMGYDH RSGCV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.015 | 0 | -0.002 | t | 11273 | ECTLKKG SGYCAWP | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.01 | -0.027 | -0.03 | t | 33797 | KTNNSYIP PLTW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.029 | 0.023 | 0.033 | t | 134685 | GVSSYMK VSICLPMD VE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.001 | -0.023 | -0.022 | t | 49559 | PSWGLSRI S | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.02 | 0.013 | 0.014 | t | 26989 | ILCYCYGLP DSEPTK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.02 | 0.013 | 0.014 | t | 26989 | ILCYCYGLP DSEPTK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.003 | 0.011 | t | 104594 | PHLVEALY LVCGERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.03 | 0.019 | 0.023 | t | 103147 | EQKLISEED LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.006 | t | 72754 | WLLSPRGS R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.037 | -0.037 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.035 | -0.04 | -0.039 | t | 134130 | LCSQNPPV LKRHQRE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.059 | t | 125248 | RVPPRYHA KISPMVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0.001 | t | 105893 | KCNTATCA TQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.024 | -0.04 | -0.04 | t | 79163 | AVWQW MWVEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.01 | -0.027 | -0.031 | t | 16487 | FKYSNYVC LLWRTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.019 | -0.01 | -0.01 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.073 | -0.07 | t | 149110 | SRAPRFP WLNPLDG W | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.044 | -0.051 | -0.05 | t | 40099 | LTPGRFRTI VCGLF | Myodes glareolu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | 0.003 | 0.003 | t | 44221 | NIETVIEFQ QKNNRLLE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.005 | 0.003 | 0.003 | t | 44221 | NIETVIEFQ QKNNRLLE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.021 | 0.017 | 0.021 | t | 99385 | KLEYDPRC VYDPRGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | 0 | 0.003 | t | 50538 | QDYDNQH EQDRPTPS PAPSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.023 | 0.019 | t | 136073 | LSKNNAIE PRSFQNS RHPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.011 | 0.012 | t | 41120 | MASGGGE TALALLLD RL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.009 | t | 96457 | KGTVNLT WSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.033 | -0.03 | t | 22882 | GTVVAVG PGRWDED G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.04 | -0.04 | t | 100631 | VRVWCPR PPRAVPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.04 | -0.038 | t | 71301 | VTFHYQN KYKVPAN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.019 | t | 119624 | PDTPYLDIT YHFVMQR L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.019 | 0.003 | 0 | t | 73257 | WYAMEIR PVHDQGG LVRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.053 | -0.052 | t | 71559 | VTVRGGLR ILSPDRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.032 | t | 130734 | AQTTANPS CPEGT | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.042 | -0.04 | -0.037 | t | 11216 | EAVRRHARAYNATVI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.052 | 0.047 | 0.05 | t | 108261 | ADASVPVMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.045 | -0.047 | -0.05 | t | 68913 | VICGIVYW MHRRTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.032 | -0.031 | -0.029 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.032 | -0.031 | -0.029 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0 | 0.001 | t | 120677 | KHPEVKSA IEGIKYI | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 121813 | RRHKSAPSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.012 | -0.01 | -0.01 | t | 6175 | CEKMAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.033 | 0.023 | 0.02 | t | 19098 | GDRADGQ PAGDRAD GQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.033 | 0.023 | 0.02 | t | 19098 | GDRADGQ PAGDRAD GQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.045 | 0.039 | 0.043 | t | 131101 | TDSEMDV VRFDDDN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.002 | t | 80041 | SVAMKPY EVTPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.002 | t | 80041 | SVAMKPY EVTPT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.007 | -0.01 | t | 7969 | DEEMEQAKRNHLRVVDSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.038 | -0.033 | -0.027 | t | 137395 | EESEDEKRRWGQRDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.023 | -0.02 | t | 107093 | AVSGIGTQTSIPYPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.022 | t | 63754 | TFTMDGDTMTMLTESTFKNL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.053 | 0.047 | 0.05 | t | 73509 | YCTSASACQNQRSAVQIQDV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 122943 | WDPAQPPRD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 118060 | PPPGMRPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 122932 | VCTPKSDEFNPCEDIMGYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 131010 | PSTRWTELDVVKRLKGSRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 125472 | LDAVYLNKNKYLTVIDKDAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.002 | t | 125472 | LDAVYLNKNKYLTVIDKDAF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.002 | t | 117383 | TLHKAFKGSIFVVFDSIESA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.002 | t | 117246 | VTWEVLEGEVEKEALKKI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.002 | t | 6015 | CAPESIEFPVSEARVLED | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.037 | 0.04 | t | 135963 | NGQEEKA GVVSTGLI GGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.051 | -0.05 | t | 150976 | DVLCLRPV GAESRRRP VSGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.007 | 0 | t | 123206 | GAAVDLR QG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | -0.001 | t | 13568 | ENPVVHFF ANIVTPRT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.017 | 0 | 0 | t | 45628 | NQSLLETH | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.018 | -0.039 | -0.04 | t | 13458 | ENDIRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.015 | -0.04 | -0.042 | t | 65027 | TLQNQGA WP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.04 | 0.027 | 0.02 | t | 96263 | EQRLKEEE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.04 | 0.027 | 0.02 | t | 96263 | EQRLKEEE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.04 | 0.027 | 0.02 | t | 96263 | EQRLKEEE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.01 | 0.003 | 0.001 | t | 11729 | EEKNNINF NIDDLSSKL NE | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.017 | -0.02 | -0.018 | t | 6952 | CRTLTMGF SLGARQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.023 | t | 94501 | EKQISDAS RQGLRRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.016 | -0.02 | -0.018 | t | 123987 | CPYTGDN YQTKLI | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.025 | 0.001 | 0 | t | 5047 | ATLRKY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.02 | 0.007 | 0.002 | t | 128001 | GLINRAKA VKQFEESR GRTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.032 | 0.01 | 0.009 | t | 18833 | GAVVGGL GGYML | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.007 | 0.01 | t | 35780 | LEYVNSGT KYLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.017 | 0.014 | 0.023 | t | 55585 | RRGRGRE RARGGSRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.003 | -0.011 | -0.01 | t | 20268 | GIGAVLKV LTTGLPALI SWI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.002 | -0.013 | -0.009 | t | 67324 | TYDNECLL CAHKVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.052 | -0.05 | -0.048 | t | 120415 | AVAGRGR GRGRGRG R | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 153864 | PDRAHYNI VTFCKCD STLR | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.008 | -0.019 | -0.02 | t | 141558 | RTLTQNYK ATHGNTV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.022 | -0.024 | -0.018 | t | 118377 | GKEAWDL GVCARDSV RRKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.047 | -0.041 | t | 122190 | SGIPYVISY LHPGNTV MHVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.072 | 0.062 | 0.06 | 0.061 | t | 64555 | TKETETEA PAAPAEGE KPAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.027 | t | 133705 | SSKTRSG VHLVGPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | -0.007 | 0 | t | 112783 | GSLPQKSH GRTQDEN | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.032 | 0.019 | 0.02 | t | 51967 | QPSKPTTK QRQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.021 | -0.02 | t | 142390 | CGRLRSEL PRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.016 | 0.003 | 0 | t | 48521 | PLVETWKK PDYEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.019 | 0.009 | 0.011 | t | 47161 | PDPQPDP FPQLNSD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.06 | 0.039 | 0.042 | t | 139317 | TLLELPAAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.013 | -0.01 | t | 110856 | FSADLDQF PLGRKFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | 0 | -0.019 | -0.02 | t | 36415 | LHQVFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.016 | 0.001 | -0.001 | t | 48521 | PLVETWKK PDYEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.007 | -0.02 | -0.022 | t | 44250 | NIIRTKKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.042 | -0.061 | -0.061 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0.002 | t | 21814 | GPVEDAIT AAIGRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.007 | -0.007 | -0.007 | t | 76453 | YWERGIPL P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.004 | -0.007 | -0.009 | t | 75954 | YTASTRGD LAHLTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | t | 114749 | ATDKEGK DVL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.06 | -0.05 | t | 114837 | GKVMVLC NRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.027 | 0 | -0.003 | t | 75418 | YPTFGEHK QEKDLEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.03 | t | 133712 | TKHRRRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 76200 | YTVEAHM HTLRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.02 | -0.02 | t | 76200 | YTVEAHM HTLRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.02 | t | 120234 | TEAYTENG EWAIDFC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.029 | t | 119624 | PDTPYLDIT YHFVMQR L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.012 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.012 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.012 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.007 | 0.012 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.03 | -0.04 | -0.04 | t | 120918 | RLFKHLFG GYNRWAR PV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.007 | 0.001 | t | 66687 | TTLDTHPL RTLL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.034 | -0.03 | t | 42980 | MVPKQGPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 20095 | GGWYSFD SPYLMSITE MRLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.007 | 0.011 | t | 6109 | CDIKDPIRL EPGGPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.012 | t | 62882 | TAIDLADN TIGI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.014 | -0.02 | -0.019 | t | 105894 | KCNTATCA TQRLANFL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.01 | -0.02 | -0.02 | t | 140838 | DEPPQSP WDRVKDL ATVYV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | -0.001 | 0.003 | 0.002 | t | 16949 | FLVHREW FMDLNL WSSAGS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.022 | t | 73430 | YAQYMSR AYAEFLGE DPGSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.022 | t | 73430 | YAQYMSR AYAEFLGE DPGSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.003 | 0 | t | 11417 | EDPQYHEE WVTA AVE RTIPV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0 | t | 46379 | NVFQTQA GCLIGAEH VD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.028 | t | 44135 | NHDYTKIR YADGHAIE NAVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.013 | -0.009 | t | 125572 | TARNETPA MRMN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.027 | -0.03 | t | 17839 | FSRQFLIPY DPEHHYK VFSP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.007 | 0.01 | t | 18999 | GDHCEGL GVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.023 | 0.013 | 0.011 | t | 24108 | HITQQHRP VSDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.001 | 0.002 | t | 64444 | TIRGQFSN MSLSLLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.023 | t | 132021 | PTMTRVL QGVLPALP QVVCN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.011 | -0.007 | t | 130453 | CLFFQNGK VKCAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.022 | 0.013 | 0.021 | t | 119557 | DIYPGGGY TDYNEKFK G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.013 | -0.018 | t | 98092 | HEVDKDIS QLTQAIVK NH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.027 | -0.016 | t | 119443 | DLKLRRSS SVGYIS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.028 | -0.043 | -0.04 | t | 49559 | PSWGLSRI S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.019 | -0.02 | t | 11656 | EEGQRMA EM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.019 | -0.02 | t | 11656 | EEGQRMA EM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.019 | -0.02 | t | 11656 | EEGQRMA EM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.021 | t | 46955 | PASTNRQS GRQPTPI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.006 | -0.013 | -0.009 | t | 139932 | VGLICERM MKERESQI RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.05 | -0.05 | -0.049 | t | 131701 | THHINNM KPSFTREN T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.009 | -0.009 | t | 10495 | DTTIMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.013 | -0.008 | t | 52245 | QRQNKPP NKPNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.034 | -0.04 | -0.038 | t | 94573 | KRIPNKPP GKKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.02 | -0.018 | t | 43547 | NDYDGFLE NAHEHHG VYNQG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.02 | 0.022 | t | 35248 | LDPAFRAN TANPDWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.027 | -0.021 | t | 132066 | SLRNSPEF QKLLGI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.001 | -0.01 | -0.01 | t | 38825 | LQDPRVR GLYFPAGG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.003 | -0.02 | -0.021 | t | 62776 | TAADGYG AGLCANV RCDTAT | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 133630 | LPPGLHVF PLASNRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.004 | -0.013 | -0.012 | t | 14414 | ETHVTGGS AGRT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.026 | -0.02 | t | 47598 | PFWVRGT TW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.009 | -0.007 | 0.001 | t | 101207 | RSGDLG | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.023 | -0.021 | -0.02 | t | 40167 | LTSGHLKC RVKMEKL QLKGT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.011 | -0.009 | t | 96497 | KRELRLNP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.021 | t | 72248 | WANLMEK IQASVATN PI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.02 | -0.04 | -0.04 | t | 141670 | HVTTTFAP PPPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.043 | t | 134770 | QIFNLFSTK DSSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.04 | 0.033 | 0.043 | t | 134770 | QIFNLFSTK DSSAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.012 | -0.021 | -0.02 | t | 48557 | PMIHFGN DWEDRYR REN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.016 | -0.033 | -0.031 | t | 137134 | DQFCPED AKCERGKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.019 | -0.02 | t | 63545 | TETAAPAV ADARKPPS GKKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 108200 | VSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | -0.005 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | 0.003 | 0.002 | t | 114828 | GCYGSLPQ SHIIQKIKE CFR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.024 | 0.02 | 0.021 | t | 41121 | MASGGGE TALALLLD RLNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.019 | t | 74009 | YGGPANK KNAG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.009 | -0.009 | -0.01 | t | 78825 | SFPPSPG PSCPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.051 | -0.05 | t | 142422 | GAILVDFW AEWC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.029 | t | 66625 | TTGLPALIS WIKRKRQ Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.038 | -0.043 | -0.047 | t | 132890 | QSPWQT WFTRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.011 | 0 | 0.002 | t | 106429 | FVLPWRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.028 | 0.01 | 0.01 | t | 22813 | GTSESTET SEVSTYSM S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.048 | -0.054 | -0.049 | t | 53195 | RARGRGR GRGEKRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.064 | 0.05 | 0.051 | t | 118877 | LDVEQLGI PEQEYSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.037 | 0.03 | 0.032 | t | 153885 | SEEEDEID GPAGQAE PDRAH | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.023 | -0.029 | -0.027 | t | 96228 | EGLLKLL DTLENML K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.019 | t | 119580 | FMESGEW VIKESRGW KH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.023 | -0.02 | t | 47673 | PGHITGHR MAWDM MM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | -0.003 | 0 | t | 751 | ADPVTTEG DYVVKISEF YGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.008 | t | 118011 | LYKEKALS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.001 | -0.011 | -0.008 | t | 61166 | SSLKSSALH RLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 125297 | VFFEEQED EIIGFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.05 | 0.029 | 0.03 | t | 20204 | GIADLNDA S | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.021 | -0.03 | -0.03 | t | 112508 | FFKNIVTP RTPPPSQQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.07 | -0.063 | -0.057 | t | 13644 | EPERTAM KKIQDCY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.024 | t | 150803 | KLIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.01 | -0.009 | t | 139860 | PVQRGAW RWPVVTN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.046 | 0.034 | 0.032 | t | 27451 | IMASKTVG TAEKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.047 | 0.03 | 0.027 | t | 110794 | CDDDDDN DGVPDSR DNCRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.023 | -0.021 | t | 99234 | EWGTPGS HVREETSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.009 | -0.01 | t | 80899 | DANYLTGS LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.006 | -0.017 | -0.018 | t | 5484 | AVNHIH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 139305 | TAAQITQR KWEAARE AEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.012 | t | 70950 | VSGGLCST RLHRHALL ATCP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.023 | -0.039 | -0.038 | t | 21469 | GNLLLSCL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.081 | -0.07 | t | 103933 | GKLPWPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.011 | t | 104242 | SFIWDF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 127761 | PGEQTMG VLPTSAAG CTNDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.037 | -0.031 | t | 118805 | GGNGGGI GGGMGG GVGIG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.015 | -0.039 | -0.04 | t | 73147 | WTMKIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.002 | t | 6015 | CAPESIEFP VSEARVLE D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.013 | -0.009 | t | 56195 | RTTPDRQ AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.01 | t | 131687 | SYPDNSYQ QPYGE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.07 | -0.07 | t | 78564 | WRRWFY QFPTRAW AS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.018 | t | 126422 | KLASIPTHT SPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.05 | -0.05 | t | 12927 | ELAAKLVA LGINAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.035 | 0.02 | 0.02 | t | 78318 | YDSRPPED V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.057 | 0.041 | 0.04 | t | 33831 | KTQIDQVE STAGSLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.003 | -0.008 | t | 133871 | LAKLGGAG QAARAGT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.005 | 0.009 | 0.014 | t | 87884 | RGNAELQ TYLRQITP G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.003 | -0.03 | -0.032 | t | 43218 | NALWMPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.02 | 0.022 | t | 122861 | NALNSPLH QEYEENL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.013 | 0 | -0.002 | t | 51986 | QPVQEFL SGHVRVR PYKEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 118131 | SEESDDD MGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 9526 | DNPASTT NKDKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.027 | -0.023 | t | 39977 | LTITQLLKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.032 | -0.037 | -0.029 | t | 122562 | RRQPHVV SQW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.071 | -0.069 | -0.073 | -0.069 | t | 99576 | QKKTENPC AQRCLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.04 | 0.042 | t | 106647 | MHLTTNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.034 | -0.043 | -0.038 | t | 14000 | ERHLTFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.019 | 0.007 | 0.012 | t | 13961 | ERAGAME RAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.016 | -0.04 | -0.04 | t | 10278 | DSYIII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.009 | t | 116731 | GLGESRK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.054 | 0.04 | 0.041 | t | 75274 | YPEEVVEE VVPEEVVE EVVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.054 | 0.04 | 0.041 | t | 75274 | YPEEVVEE VVPEEVVE EVVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0.002 | t | 131956 | LPKSAKPV SQMRMA TPLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.009 | 0.01 | t | 15990 | FGGVSD DVPSFHK PPSSR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.073 | -0.07 | t | 149111 | SRSPRFPW LNPLDGW | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.043 | -0.04 | t | 94651 | PTCWAICK RIPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.01 | -0.003 | t | 12339 | EHIFGMVL MN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.015 | -0.01 | -0.003 | t | 12339 | EHIFGMVL MN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | -0.013 | -0.012 | -0.007 | t | 157177 | EAPSKQDK PVEN | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.009 | t | 129732 | RERRGIAL DGKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.01 | t | 1470 | AGDLESSV DDPRSEED KRFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.011 | -0.01 | t | 142389 | AVGNSRG ACLAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.01 | t | 144591 | AMDRLSRI PFPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.011 | t | 135847 | YPAIVETGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.06 | 0.04 | 0.042 | t | 139317 | TLLELPAAE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.004 | -0.002 | t | 46317 | NTWTTCCQ SIAFPSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | -0.004 | 0 | t | 135914 | EEIAQVATISAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.046 | -0.045 | -0.057 | -0.059 | t | 65345 | TNIPPPLALLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.003 | -0.001 | 0.003 | t | 103715 | VPLDRSSH CQREEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.056 | -0.057 | -0.058 | t | 114773 | DHARHGFLPRHRD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.024 | -0.051 | -0.052 | t | 68792 | VGSFFALGDRAFLGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 131759 | WTLFFQNGKVKVFQ GNQDSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 65050 | TLRVYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.01 | t | 119279 | MSKTEWNASQSRFG WFENKE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.027 | -0.039 | -0.038 | t | 4427 | ASGLVSMFSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.006 | 0.01 | t | 71285 | VTEEIVTEEIVTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.047 | -0.04 | t | 135954 | LNTGWLAGLFYQHKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | -0.003 | 0.001 | t | 107226 | QQPVSSWVFVSSDAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.029 | -0.04 | -0.04 | t | 133686 | RTLDSHWIRVGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.039 | t | 136551 | PIQRKRRQMPLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.012 | t | 56479 | RWGSYAI GGASAPWILTQTN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.017 | -0.011 | t | 113507 | HARHGFLP RHRDTGIL DSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.005 | -0.011 | -0.008 | t | 79023 | MDGTASV NIPAGTYD FAIAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | -0.017 | -0.02 | -0.022 | t | 35923 | LFNLWGP AFHERYPN VTITA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.034 | -0.03 | t | 135916 | EIGNIISDA MKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.009 | -0.03 | -0.03 | t | 22686 | GTHNQW NKPSKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.008 | t | 80035 | SSPMEVM LRAVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.053 | -0.05 | t | 114203 | ENPVVHFF FNIVTPRT P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.023 | -0.027 | t | 122105 | GRTSRTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.017 | -0.011 | t | 117331 | MKLVRFL MKLSHETV TIELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.004 | -0.007 | 0.001 | t | 125136 | LGSISESR ALQDSQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.04 | 0.02 | 0.018 | t | 60968 | SSEERETEI SLKDST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.029 | -0.02 | t | 119505 | NSTMGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.01 | -0.02 | -0.02 | t | 120393 | AEERLLKRL FSGYNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.063 | -0.06 | t | 149043 | FLHTRLLFR NGIILR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.01 | -0.01 | t | 136894 | VIPMVTQI AMTDTTP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.057 | 0.053 | 0.05 | t | 46982 | PATVPDRE VLYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0.001 | t | 117140 | DWEYSVW LSN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.018 | -0.021 | -0.017 | t | 103144 | EMPENYA KTRIINRKK | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.023 | -0.02 | t | 70991 | VSILIIFILVS GLSMFVD QL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.002 | -0.01 | -0.008 | t | 56602 | RYNRNAV PNLRGDL QVLAQK | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.032 | -0.023 | -0.019 | t | 132392 | ISYINIIMPS VFGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.043 | 0.039 | 0.041 | t | 44619 | NKVLTVQT IDNALS NEK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.039 | 0.041 | t | 44619 | NKVLTVQT IDNALS NEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.041 | 0.043 | 0.039 | 0.041 | t | 44619 | NKVLTVQT IDNALS NEK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.02 | t | 124274 | HPLAPAGT F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.012 | -0.023 | -0.02 | t | 12412 | EIDAPRVF DARFSRHY SVQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.017 | 0.02 | t | 69554 | VLKAGNE GLEWV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.01 | -0.023 | -0.021 | t | 11283 | EDAEVAG TQWFTPS GKSGC | Aotus nancymae |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.049 | t | 140593 | PYQFFTAS E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.01 | t | 43152 | NAGGNAG GNAGGNA GGNAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.012 | -0.027 | -0.028 | t | 49055 | PQPGLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.035 | 0.019 | 0.02 | t | 96701 | NQSLAFIR KSDDEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.05 | 0.037 | 0.046 | t | 1390 | AFRPSSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0 | t | 115831 | KSGHRTQ DENP | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.038 | -0.05 | -0.049 | t | 78457 | LRLPPAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.008 | t | 142827 | KVEFWPC SPITQGDR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.017 | t | 139841 | PAGRQAR RPATVPEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.002 | -0.003 | 0 | t | 58797 | SKDLADKL AAKTAEAE K | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.01 | t | 45588 | NQMMDMK QIDPWIAR FDTDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.01 | t | 45588 | NQMMDMK QIDPWIAR FDTDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.01 | t | 45588 | NQMMDMK QIDPWIAR FDTDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.04 | 0.032 | 0.03 | t | 25320 | IAIVERRN NLLQAELE EL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.027 | -0.041 | -0.04 | t | 138089 | WLRPPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.008 | t | 35311 | LDTNYEVS DETVSDN NKWAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.003 | -0.009 | -0.01 | t | 4412 | ASGAKEEA EKKAEEQR ALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.02 | -0.019 | t | 139860 | PVQRGAW RWPVVTN E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.036 | -0.039 | -0.04 | t | 73385 | YALADASL KMADPNR FRGKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.005 | 0.003 | 0.003 | t | 116035 | YGSLPQKS GHRTQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.003 | 0.003 | t | 116035 | YGSLPQKS GHRTQD | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.01 | t | 106424 | FPFTPHPE EYFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.013 | -0.01 | t | 111804 | SSTMRRAR QCRLDQLT SSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.009 | -0.01 | t | 66598 | TTESRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 135972 | PRRPGGLG GSGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.03 | -0.043 | -0.041 | t | 41737 | MIKVGFLP TGAFKSPR YKSH | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.013 | -0.025 | -0.04 | -0.042 | t | 142844 | LDSLGRFF GSDRGAP | Rattus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.066 | 0.03 | 0.026 | t | 13675 | EPIVGAET F | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.044 | 0.027 | 0.03 | t | 18529 | GAATAAA GGYKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.028 | t | 6225 | CFGKDLKR PGSSPME V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.019 | 0.03 | t | 104000 | KALSSPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.032 | 0.011 | 0.01 | t | 27757 | INTTGNPE H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.03 | t | 57644 | SETFTNKL KEKHTDLG KEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | -0.003 | t | 78943 | CTRLHTGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.037 | 0.027 | 0.029 | t | 99371 | KEDQEEEN QGGKGPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.048 | -0.08 | -0.084 | t | 80095 | VVHFFKNI VTPRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.012 | 0.02 | t | 117742 | AKAQTD EDLRTLLRY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.031 | -0.053 | -0.049 | t | 62885 | TAIHAVW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.022 | -0.031 | -0.028 | t | 66709 | TTLPKKQIK HKVRRS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.021 | -0.002 | 0 | t | 27903 | IPKPFFRDE VSFCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.009 | -0.008 | t | 70311 | VPGPFFRD EVTFTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.027 | -0.028 | t | 104851 | KGAIIGLM VGGVVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.035 | 0.01 | 0.009 | t | 47495 | PFGDSYIII GVE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.012 | -0.027 | -0.028 | t | 49055 | PQPGLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.025 | 0.007 | 0.008 | t | 96701 | NQSLAFIR KSDDEL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 139725 | EMRTRIRY NRRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 141963 | MVDRGW G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 144742 | PFYGYRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 138194 | IIPKSSWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 137770 | TLARSFII CIQM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 139029 | DLQVLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 139881 | RGDKSRPP VWYVEGE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 137759 | NQEDAEAI THLF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 145704 | AEGLT TTT WKDYDHN LQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 145841 | KEDFRYAIS STNEIGLLG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 120109 | NIHPKAPI WGIITSNF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 106487 | GTSTEVWL APDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 106535 | IFPSFLRPD PPL | Mus musculus |

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|---|------|---|---|---|---|---|---|-------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 106225 | ADIWLTPD PTTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 106690 | NSDHFLQP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 106515 | HLPSFLRP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 91165 | CCELCCNP ACAGCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 70390 | VPNLRGDL QVLAQKV ART | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 78946 | DAWCGSR GK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 70398 | VPNLRGDS QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 82657 | GGYEFLLA NDVDNSN PVVQ | Rattus norvegic us |

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|---|------|---|---|---|-------|---|---|-------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 70391 | VPNLRGDL QVLAQKV ARTLP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.005 | t | 91165 | CCELCCNP ACAGCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 62440 | SWFDNFL YPTH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 80002 | RKADLEKA LEGAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 76290 | YVHDNC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 79009 | KTWCD WCG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 70390 | VPNLRGDL QVLAQKV ART | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 71693 | VVIANNV DKFVSWGI TDFEM | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 91165 | CCELCCNP ACAGCY | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 79040 | PGQNLCYT K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 73132 | WTGVTQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 63038 | TAVSPTTL RTEVVK | Sus scrofa |

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|---|------|---|---|---|--------|---|---|-------|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 70390 | VPNLRGDL QVLAQKV ART | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.005 | t | 49772 | PTSGDKID MTPRAGV LMLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 41019 | MADPNRF RG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 56602 | RYNRNAV PNLRGDL QVLAQK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 57864 | SFPMNEES PLGFSPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 57864 | SFPMNEES PLGFSPE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.005 | t | 56602 | RYNRNAV PNLRGDL QVLAQK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 49772 | PTSGDKID MTPRAGV LMLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 50929 | QGPGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 56657 | RYSRNAV P NV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 58906 | SKNLAPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | 0 | 0.005 | t | 46094 | NTFYCCCL CCNPACA GCY | Bos taurus |

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|---|------|---|---|---|-------|---|---|-------|---|-------|------------------------------|--------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 37657 | LLPHSNLD HI | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 46094 | NTFYCCEL CCNPACA GCY | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.005 | t | 46094 | NTFYCCEL CCNPACA GCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 54058 | RHKQKIVA PVKQTL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 46094 | NTFYCCEL CCNPACA GCY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 59876 | SNPPGMA LSAPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 54058 | RHKQKIVA PVKQTL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 19266 | GEFPRHVK LKNEIENLL DQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 19623 | GFSYYRPP WIL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |

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|---|------|---|---|---|---|---|---|-------|---|-------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 29088 | ITSHTGYL QLRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 28331 | IRLRHENK DLKARLEN AMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 11208 | EAVEAERA GRGTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 19620 | GFSPEEME AVASKFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 22359 | GSGVRGD FGSLAPRV ARQL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 19620 | GFSPEEME AVASKFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 22756 | GTLVRMA PVIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 4331 | ASARGDLA HLTTTHAR HLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 7277 | CVKSQTR IN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 1547 | AGHATLRE HLRDIKAE NTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 1722 | AGVRRGD LAHLAAAH ARHLP | Bos taurus |

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|---|------|---|---|---|---|---|---|-------|---|------|----------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 9516 | DNNLVSGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 7492 | DAEFRHDSGYEVHHQKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 4429 | ASGQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 3245 | ANDVDNSNPVVQAEQLNWL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 7492 | DAEFRHDSGYEVHHQKL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 632 | ADASLKMADPNRFRGKDLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 6226 | CFGNSEY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 868 | AEFAFDLWNECAKACV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 3245 | ANDVDNSNPVVQAEQLNWL | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 1453 | AGARRGDLAHLAAAHARHLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 1453 | AGARRGDLAHLAAAHARHLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 1536 | AGGSGRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 1453 | AGARRGDLAHLAAAHARHLP | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.008 | 0.001 | -0.001 | t | 17997 | FTKVC GAP PCVIGGAG NNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.049 | -0.057 | -0.06 | t | 13267 | ELRYSWKT W GKAKML STELH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.01 | 0.007 | 0.009 | t | 32716 | KPGGGW NTGGS RYP GQGS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.005 | t | 144664 | GREGYP A DGGGLPD SVKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0 | t | 71212 | VSVTDHKK WQFN SPF VP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.026 | 0.017 | 0.02 | t | 58085 | SGIIESGVQ NIDDNYFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.009 | t | 31072 | KGTHSLYS QIAGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.02 | -0.02 | t | 108125 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.018 | -0.037 | -0.04 | t | 33504 | KSRYGF GA KEVRSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.006 | -0.011 | -0.01 | t | 18509 | GAAILVAG LSGCCSNK STTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.026 | 0.031 | t | 122401 | HSEAETGP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | t | 30144 | KDFKYRGE GNVYAEIN VKAL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.013 | -0.01 | t | 132389 | IRLPNPDT DLYWFTLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.003 | -0.011 | -0.01 | t | 47063 | PDCAICWE PSPPWAP E | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.033 | -0.03 | t | 29868 | KALPMHIR LSFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.029 | 0.01 | 0.01 | t | 97015 | TVHTQQN Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.022 | t | 145704 | AEGLT TTT WKDYDHN LQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.018 | 0.01 | 0.012 | t | 122290 | CSNSSSQ FQIHGPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 113913 | TCKQAGT CPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.007 | t | 45627 | NQSLDLAE QELVDCAS QHGC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0.003 | 0.007 | t | 6883 | CQIYPPNA NKIREALA Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0.006 | 0.008 | t | 23599 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.012 | t | 66844 | TTDSDGDG RQTI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.01 | t | 59986 | SPAQNTVS AISSILSKT GDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.013 | -0.04 | -0.039 | t | 78558 | VSIFPPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.024 | -0.03 | -0.029 | t | 105863 | HHQKLVSF AEDVGSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.06 | -0.05 | t | 114905 | NKCNFCN AVV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.017 | 0.01 | 0.011 | t | 136014 | WGLDYER GNYEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.01 | 0.001 | t | 17202 | FNMVYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.01 | 0.011 | t | 19318 | GEKFIIRRK SNSQSIND DI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.011 | t | 19318 | GEKFIIRRK SNSQSIND DI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0 | t | 19894 | GGIYYPYDI YYPYDIYYP YD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.019 | -0.02 | t | 41343 | MEECSQH LPYIEQGM MLAEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.02 | -0.03 | -0.03 | t | 39980 | LTIVSGGP TLFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.009 | -0.01 | t | 103891 | ERSQPRGR RQPIPKAR RPEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.001 | -0.023 | -0.02 | t | 5559 | AVTFSKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.019 | t | 74009 | YGGPANK KNAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 78702 | KKKEEGED DTARQEIR KAW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.008 | t | 78702 | KKKEEGED DTARQEIR KAW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.03 | -0.027 | t | 9684 | DPMFTPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.017 | -0.011 | -0.012 | t | 29290 | IVGPKASK | MD |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.001 | 0.001 | t | 153420 | MDWINPF PNFNSGG GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.031 | -0.021 | -0.02 | -0.018 | t | 27608 | INDISHTQ SVSSKQRV TGLD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.097 | -0.102 | -0.1 | -0.101 | t | 94884 | MRRAHHR RRRASHRR MRGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.025 | 0.007 | 0.01 | t | 57990 | SGAWYYV PLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 109899 | SATFWQN PRNHFR CQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.025 | 0.001 | 0 | t | 5048 | ATLRKYCI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.035 | 0.007 | 0.005 | t | 64391 | TINGLART TADRQTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.024 | 0.03 | t | 122401 | HSEAETGP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.023 | 0 | 0 | t | 8235 | DFAQGW GP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.023 | 0 | 0 | t | 8235 | DFAQGW GP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.035 | 0.029 | 0.031 | t | 24051 | HIHLDFG WGLPLDL RDDVF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.019 | -0.03 | -0.029 | t | 36045 | LGAARGYT FGAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.02 | -0.02 | t | 36274 | LGPYSLN W | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.004 | -0.017 | -0.02 | t | 45160 | NNLEDPAS RDLVVNYV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.01 | -0.009 | t | 70203 | VNTQFYTI KEGMYKA LNYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.009 | t | 70203 | VNTQFYTI KEGMYKA LNYQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.04 | 0.023 | 0.02 | t | 47239 | PEARQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.013 | 0.02 | t | 116917 | AESDDSS T R RH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.02 | -0.02 | t | 110213 | EGHLIDLK RV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.048 | -0.057 | -0.05 | t | 115614 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.04 | -0.039 | t | 60797 | SRSES RKN RGGREEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.062 | 0.051 | 0.052 | t | 116957 | DSMNTDD STRPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.025 | 0.01 | 0.01 | t | 8130 | DEQDYQIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.025 | 0.01 | 0.01 | t | 8130 | DEQDYQIR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.001 | t | 139525 | ISSQTNDT HKRDTYA ATPRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.059 | -0.06 | -0.06 | t | 112910 | ARVAEHP DARLAWA R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | -0.001 | 0.001 | t | 8265 | DDFNLNQE WRVYTYK YFKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.034 | 0.014 | 0.017 | t | 68322 | VEQKHIQK EDVPSERY LGYL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.042 | -0.05 | -0.05 | t | 13593 | ENSSLKHH YWNFRNG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.043 | -0.047 | -0.05 | t | 51709 | QNIRPVQS VASSRRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.009 | -0.006 | -0.01 | t | 13680 | EPKKDKKK KTDEAQPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.015 | -0.01 | -0.005 | t | 119405 | YAIVHMTK LLLDYTGKI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.016 | -0.031 | -0.03 | t | 99876 | AEFRHDSG YE | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 25105 | HVTNDCS NSSIVFEA ADLIM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.047 | -0.048 | t | 53971 | RGRRQPIP KA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.006 | 0.01 | 0.012 | t | 71536 | VTTSTPGS SGSVASG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.04 | -0.03 | t | 98724 | DAQSAPLR VY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.023 | 0.022 | t | 131261 | SHMPLAN QYQWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.02 | 0.01 | 0.01 | t | 23069 | GVNLEDP ASRDLVVS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.014 | -0.023 | -0.018 | t | 94695 | SNNPTCW AICKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.015 | 0.001 | 0 | t | 68174 | VEFDLPGI KADSLDI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.015 | 0.001 | 0 | t | 68174 | VEFDLPGI KADSLDI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.012 | -0.02 | -0.02 | t | 9463 | DNGKAIYE RARERALQ ELGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.012 | -0.02 | -0.02 | t | 9463 | DNGKAIYE RARERALQ ELGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.037 | -0.04 | -0.037 | t | 122394 | HFPFDQQ NGTMKLG IWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0.006 | 0.008 | t | 46317 | NTWTTCQ SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.029 | -0.043 | -0.04 | t | 119378 | VDYNLKW NPDDYGG VK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.029 | -0.043 | -0.04 | t | 119378 | VDYNLKW NPDDYGG VK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.045 | -0.049 | -0.05 | t | 97170 | ADQELGD APFLDRLR RDQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.045 | -0.049 | -0.05 | t | 97170 | ADQELGD APFLDRLR RDQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.034 | 0.021 | 0.019 | t | 66219 | TSGITGDN TTTSSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.057 | t | 118200 | VGRATPPP GIMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.022 | -0.029 | -0.03 | t | 110965 | PNNNKILV PKVSGLQY RVFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.007 | -0.01 | -0.02 | -0.02 | t | 65210 | TMKAEELT PGRFRT | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0 | t | 57261 | SDPSQGG GIKITHFTT WTSI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.033 | -0.029 | t | 32827 | KPPNKPN NDFHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.034 | -0.03 | t | 54 | AAAQHGH MHGS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.054 | 0.04 | 0.04 | t | 11240 | ECEVVPGA EDDFVCK | Bos indicus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.054 | 0.04 | 0.04 | t | 11240 | ECEVVPGA EDDFVCK | Bos indicus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.036 | -0.049 | -0.048 | t | 22575 | GSWHINR T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.007 | -0.001 | 0.002 | t | 134634 | AAPLGTHP SMHP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.029 | -0.03 | t | 10125 | DSGCVVS WKNKELK C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.067 | -0.06 | -0.058 | t | 10902 | DYINRWIF VTITNNRL NNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.052 | -0.067 | -0.06 | -0.058 | t | 10902 | DYINRWIF VTITNNRL NNS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 119560 | DLVLYNNA DGDFAIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.043 | -0.04 | t | 108599 | QGDAKKG ANLFKTRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.016 | 0.003 | 0 | t | 32734 | KPIISVIMY ETNQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.016 | 0.003 | 0 | t | 32734 | KPIISVIMY ETNQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.049 | 0.04 | 0.042 | t | 115650 | SQGHRSD DEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.049 | 0.04 | 0.042 | t | 115650 | SQGHRSD DEN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.021 | t | 130916 | KEDFDIYD EDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.019 | -0.01 | t | 119473 | KILKVIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.012 | -0.02 | -0.028 | t | 117320 | KPKAAKPK KAAAKKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.011 | 0.022 | t | 11481 | EDYPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.038 | 0.019 | 0.02 | t | 971 | AEHVDTSY ECDIPIGA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0 | -0.013 | -0.01 | t | 54900 | RMHLFTGI QI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.035 | 0.021 | 0.022 | t | 42669 | MSSGNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | 0.001 | -0.017 | -0.018 | t | 95484 | IVAPVKQT | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.011 | t | 103839 | DAEFRHDS GYEVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | -0.004 | 0 | t | 751 | ADPVTTEG DYVVKISEF YGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.069 | -0.07 | -0.069 | t | 142005 | SDFRRQN RRGGTNK RTT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.048 | 0.03 | 0.03 | t | 158388 | TRQTSQEP TPVS | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.029 | 0.01 | 0.012 | t | 45643 | NQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.013 | -0.01 | t | 107243 | STKPSSIGT LHTSPS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.07 | -0.063 | -0.057 | t | 13644 | EPERTAM KKIQDCY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 127852 | TCTIKVVG GYQVNIRV GDTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.051 | 0.047 | 0.06 | t | 79603 | LLTTDEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0.003 | 0.002 | t | 45701 | NRLIAFAS RGNHVSP AHYVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.075 | 0.069 | 0.08 | t | 104180 | PNAPDAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.004 | -0.013 | -0.012 | t | 26239 | IGHADFGG R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.037 | -0.038 | t | 103 | AAEESKLPI NPLSNSLL RH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.005 | t | 124734 | SPLSLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.017 | t | 97252 | DTPLTTAA LRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | -0.007 | 0 | t | 116286 | CGKGLSAT VTGGQKG RGSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.003 | -0.004 | t | 136751 | YCWLRQ AALQRRLS AMEKG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.009 | t | 107428 | GRGDSVV YGLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.022 | -0.019 | t | 143851 | DPEQPAPL FLVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.03 | -0.04 | -0.038 | t | 5967 | CADARMY GVLPWNA FPGKVC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.04 | t | 131542 | LLTRYLRH PQSWVHQ IALR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.02 | -0.03 | -0.03 | t | 93172 | KTSLWKE MQYNRDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.009 | 0.011 | t | 2806 | ALNYQAQ ALEEIIKYR YNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.01 | 0.02 | t | 117327 | LQWSASFT TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.036 | 0.021 | 0.02 | t | 70048 | VNAKNLN EL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.015 | 0 | 0.002 | t | 49072 | PQPQWTP E | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.027 | 0.033 | t | 118538 | NNGNLQL RKEVTWE VLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.002 | -0.017 | -0.018 | t | 49137 | PQTTKPKE VPTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.013 | -0.01 | t | 111804 | SSTMRRAR QCRLDQLT SSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0.002 | 0 | t | 67647 | VAKLVTQE MFQNIDK KIESQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.01 | -0.003 | 0 | t | 52660 | QTVSALED KLADYK | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.058 | -0.05 | -0.05 | -0.047 | t | 136649 | SPQRRKRT RQIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.027 | t | 107890 | HRLAFGQ NT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.085 | 0.069 | 0.071 | t | 61549 | STDEPAGE SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.007 | 0.002 | t | 118380 | GKPIPNPL LGLDST | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.043 | -0.05 | -0.048 | t | 131654 | SGFGVVKK PNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.001 | -0.011 | -0.01 | t | 38271 | LNLTTASV PMLRWYA ERFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.005 | 0.001 | 0.001 | t | 65003 | TLPFNWT HCFDPQIQ AIVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.017 | 0.03 | t | 78393 | GDYLIDQG L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.019 | t | 119633 | QYTGHIT WTPPAIFK S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.013 | 0.021 | t | 135939 | IPVLDENG LFAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.043 | 0.039 | 0.043 | t | 99387 | KLVFFAED VGSNKG | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.024 | t | 54568 | RLGVRATR K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.035 | t | 136357 | HLKKFAGN AGTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.014 | t | 133538 | CNKPGERT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.046 | -0.044 | -0.059 | -0.06 | t | 56502 | RYAPACKP L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0.011 | 0 | -0.002 | t | 45777 | NSDDEDYF SGETRSP EAVYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.048 | -0.055 | -0.06 | -0.06 | t | 73433 | YARFMDT DPDRYGIL PSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.048 | -0.055 | -0.06 | -0.06 | t | 73433 | YARFMDT DPDRYGIL PSNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.024 | -0.04 | -0.04 | t | 49692 | PTLDVRMI NI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.024 | -0.04 | -0.04 | t | 49692 | PTLDVRMI NI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.023 | 0.019 | 0.021 | t | 67214 | TVWRNRE TLMEFEEP HATKQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.015 | -0.001 | 0 | t | 8888 | DKIDWRES GYVTEVKD QGNC | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.015 | -0.001 | 0 | t | 8888 | DKIDWRES GYVTEVKD QGNC | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.029 | -0.033 | -0.029 | t | 99142 | DEGHALRI PSGFISY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.015 | t | 128093 | RNAIELRF VL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.032 | 0.01 | 0.01 | t | 53342 | RDFSIRES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.032 | 0.01 | 0.01 | t | 53342 | RDFSIRES | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.005 | -0.02 | -0.02 | t | 97913 | AVKQGVV NLVKYAK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | -0.01 | 0 | t | 66683 | TTKQRQN KPPNK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.027 | 0.009 | 0.01 | t | 11423 | EDQKARE A | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.003 | 0.01 | t | 119642 | SEHETRLV ANLLENYN KVIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 117514 | GRGRGRG RGRGGPR R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.017 | -0.008 | t | 118139 | SIPWWSKL LTLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.031 | t | 120629 | IMIKAEYI LKKPRSEL MFE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.076 | -0.073 | -0.08 | -0.078 | t | 139961 | YPWGQD H | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.011 | -0.003 | 0.002 | t | 48026 | PKAFDEKL FT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.03 | 0.032 | t | 96088 | ALESPEHC SPHHTALR QAIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.045 | -0.028 | -0.037 | -0.038 | t | 95678 | PPSVPNLR | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.028 | -0.037 | -0.038 | t | 95678 | PPSVPNLR | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.018 | -0.011 | t | 66155 | TSAHLER MKKNME QTIKDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0.003 | 0.002 | t | 45704 | NRLIAFAS RGNHVSP THYVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.03 | -0.037 | -0.038 | t | 72052 | VYILIAVCL GGLIGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.016 | t | 148127 | QEQQNLR QCQEYIK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.04 | 0.031 | 0.036 | t | 4256 | ARSATTTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.023 | -0.016 | t | 30163 | KDHKPQT TKPKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.02 | -0.027 | -0.018 | t | 129829 | RSGVSLAA LKKALAAA | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.033 | 0.026 | 0.022 | t | 50989 | QGYQEPP PPQAPYQ GYQEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.03 | 0.033 | t | 127185 | TCDDPRF QDSS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.017 | -0.018 | t | 65583 | TPGPSQRI QLINTNGS WHIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.027 | 0.011 | 0.01 | t | 30877 | KFVKEQRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.021 | -0.001 | 0 | t | 47489 | PFFFSQVR SNFSKLV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.102 | -0.087 | -0.1 | -0.1 | t | 142224 | LLDTKGGL YRWRSVPV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.01 | -0.023 | -0.021 | t | 80013 | RNSAPRR GANFSL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.021 | t | 53244 | RAWAYM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.031 | -0.03 | -0.021 | t | 53244 | RAWAYM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.021 | t | 53244 | RAWAYM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.053 | 0.049 | 0.051 | t | 60036 | SPESDRPD LSTFMESG E | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 121826 | RVVGPYST STWFRVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.036 | 0.017 | 0.02 | t | 75761 | YSIEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.008 | 0.017 | 0.03 | t | 78393 | GDYLIDQG L | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.01 | -0.02 | -0.02 | t | 93172 | KTSLWKE MQYNRDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0 | t | 107455 | KAKGQPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.018 | -0.04 | -0.04 | t | 13458 | ENDIRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.013 | 0.02 | t | 112842 | SSKRGRQT PVLAYML DHSRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.039 | -0.047 | -0.04 | t | 112910 | ARVAEHP DARLAWA R | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.043 | -0.036 | -0.05 | -0.048 | t | 4504 | ASKLCLG WLWG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | -0.003 | 0 | t | 25022 | HVAPTHY VVESDASQ RVTQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | -0.003 | 0 | t | 25219 | IAAEQDRN TREVFAQV K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0.005 | t | 106363 | DVYWLMP DPPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.045 | -0.047 | -0.039 | t | 102564 | KKRPPKGG GWNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.033 | -0.028 | t | 146786 | AVNGDW PLPTKLPLV GGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.038 | -0.059 | -0.05 | t | 135707 | KRNVIRII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.014 | t | 138166 | FHEFWPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.018 | -0.023 | -0.021 | t | 99253 | FPGCPRHY EEPHTQG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.027 | -0.03 | t | 78057 | VGVNRYD QYKVHKP WTLVVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0 | -0.01 | -0.01 | t | 120403 | AMGSKGN RTDSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | -0.01 | t | 120403 | AMGSKGN RTDSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.021 | 0.017 | 0.03 | t | 79610 | LTMTSPI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.002 | t | 122889 | RLDASFQE HPDLPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.022 | t | 120769 | LLVDVEPK VKSKKRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.033 | -0.032 | t | 87356 | PNCHGPD WASPVCQ RHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.02 | -0.02 | t | 100613 | VLAVRVV NDHNPTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.021 | -0.01 | t | 104129 | MNKYHNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.001 | t | 108066 | PGRNNSPL GADSVQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.009 | -0.01 | -0.01 | t | 8777 | DISEATQV EQHHRRT DND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.019 | -0.018 | t | 60259 | SPSLNLAS VPKTSTPP GEKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.023 | 0.031 | 0.039 | t | 76485 | YYALDVYA YDVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.01 | t | 110947 | MSTRSVSS SSYRRMFG GPGT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.037 | 0.021 | 0.02 | t | 58963 | SKVPEDTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.019 | -0.04 | -0.04 | t | 5057 | ATMILAYA MRVPEVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.047 | 0.03 | 0.03 | t | 79197 | EENLTYTE GCVSVFGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.028 | 0.013 | 0.02 | t | 113000 | GIKQLQAR VLAVERY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.012 | 0.02 | 0.03 | t | 9886 | DQPKQYE QHLLDYEK IKEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.007 | -0.01 | -0.01 | t | 46886 | PAPNIASHI SSISARTG DP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.029 | -0.04 | -0.039 | t | 48906 | PPRRVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.049 | -0.05 | -0.039 | t | 96373 | IATHAKIR D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.007 | -0.001 | 0.002 | t | 134829 | YSHVHALS TYAR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0.002 | t | 21814 | GPVEDAIT AAIGRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.008 | t | 128539 | EKTPVKKK ARKSAGAA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.026 | t | 135906 | DALAVDQ MGRFG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0 | t | 26927 | IKVIPVDPY FFQMTNT NPDQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.02 | -0.01 | t | 114904 | NISKEHDG EC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | -0.008 | t | 50660 | QENSTYAV RNSN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 50660 | QENSTYAV RNSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.048 | t | 94738 | WAICKRIP NKKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.023 | -0.02 | t | 94738 | WAICKRIP NKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.011 | 0.003 | 0.012 | t | 118337 | ERADLIAYL KKATNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | -0.002 | t | 141769 | TVPGGGT TYIRAI AAL EGLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.016 | -0.02 | -0.018 | t | 29375 | IVNRRTSFF NLGPSQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.063 | 0.049 | 0.05 | t | 141859 | ASSNSAQ GSDESLIA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.012 | 0.01 | t | 67647 | VAKLVTQE MFQNIK KIESQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.047 | -0.038 | t | 118141 | SKGRRFKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.047 | -0.05 | -0.05 | t | 107788 | DHEGTHST KRGHAKSR PVRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.013 | t | 132660 | SKAVHAD MGYWIES E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.017 | 0 | -0.003 | t | 110968 | PSTSRSLYA SSPGGVYA TRS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.027 | 0.01 | 0.012 | t | 95747 | QVLAQKV A | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.001 | -0.003 | 0.001 | t | 99141 | DEELQEGH VLVVPQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0 | 0 | t | 112315 | SHGRTQD ENPVVHFF KNIVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.049 | 0.043 | 0.04 | t | 1523 | AGGGQG QNNEGAN APNEDSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.013 | -0.018 | t | 28982 | ITLPQDAV SRTQRRGR TGRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.013 | t | 130583 | QCQTFGK TMLCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.012 | -0.009 | -0.01 | t | 98391 | QPVKDSW MSSRGFD E | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.053 | -0.047 | t | 110997 | RCHAANP NGRYYWG GQYTWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | -0.003 | 0.002 | t | 69172 | VIYTYPNK VF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.018 | t | 33215 | KRRLRPSR VRIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.029 | -0.033 | -0.029 | t | 99261 | FYFPSRRFS TRYGNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.019 | t | 95040 | SHRPREAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.019 | t | 95040 | SHRPREAK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.029 | 0.04 | 0.042 | t | 106648 | MHNPSM T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.038 | -0.053 | -0.053 | t | 100323 | NEGVIVKV SKEHVEEL TKHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | -0.007 | 0 | t | 135954 | LNTGWLA GLFYQHKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.013 | t | 9588 | DPAFSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.034 | 0.019 | 0.02 | t | 68322 | VEQKHIQK EDVPSERY LGYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.015 | 0.01 | 0.01 | t | 22147 | GRMASCR SIDKFDQG WGPIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.012 | -0.003 | 0 | t | 101258 | SQNALPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.05 | -0.06 | -0.057 | t | 17350 | FPPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.047 | -0.06 | -0.06 | t | 97359 | GPGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.047 | -0.06 | -0.06 | t | 97359 | GPGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.004 | -0.017 | -0.018 | t | 157832 | RDDPHKV TPSDM | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.007 | t | 33531 | KSTQRSTR RNLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.054 | 0.04 | 0.042 | t | 80093 | VTTSGGGR QG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.034 | -0.05 | -0.05 | t | 59626 | SMAGKRE MVI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.063 | -0.06 | t | 149043 | FLHTRLLFR NGIILR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.049 | -0.06 | -0.06 | t | 141918 | IARGVRRRL QA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.017 | -0.03 | -0.03 | t | 139227 | RGDLQVLT PK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.017 | -0.018 | t | 45283 | NNWPCLN ETCPTKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.026 | -0.027 | -0.03 | t | 53881 | RGGSRERA RGRGRGR GEKRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.034 | -0.047 | -0.05 | t | 29744 | KAAASKVK ANLLSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.015 | -0.029 | -0.027 | t | 62737 | SYVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.02 | -0.041 | -0.04 | t | 141670 | HVTTTFAP PPPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.048 | 0.029 | 0.03 | t | 22813 | GTSESTET SEVSTYSMS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.03 | 0.03 | 0.033 | t | 64525 | TKAIINYQY NQYTEEEK NN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.041 | 0.03 | 0.03 | 0.033 | t | 64525 | TKAIINYQY NQYTEEEK NN | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.03 | 0.03 | 0.033 | t | 64525 | TKAIINYQY NQYTEEEK NN | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.027 | t | 133554 | EGLYSPW WPRSLPVL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.005 | t | 122083 | DPNIKLVLD DCWATS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.005 | t | 25140 | HWSYGLR PG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.022 | -0.003 | 0 | t | 8303 | DFPIQNLP YG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.007 | -0.007 | t | 8785 | DISQLTQAI VKNHKNNL K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.004 | 0.011 | t | 107062 | AEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.019 | -0.01 | -0.01 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.01 | 0.01 | t | 4268 | ARTGEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.011 | 0.018 | t | 37640 | LLPAAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 102434 | FMRWLSD LRETCFSYY QKYI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 74797 | YLLPRRGP R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.019 | -0.029 | -0.028 | t | 24046 | HIFYRRFLG KDGRDP K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.022 | -0.003 | -0.002 | t | 96119 | ASTRGDLA HLTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.01 | -0.003 | -0.002 | t | 74125 | YHNHEEEA KRLEIFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.011 | -0.007 | -0.01 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.028 | 0.009 | 0.01 | t | 22813 | GTSESTET SEVSTYSM S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.002 | -0.019 | -0.021 | t | 98940 | PQPGPQP PQPPQPQ P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.066 | t | 150801 | EDDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.03 | t | 105562 | VAVVRTPP KSPSSAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.008 | t | 61393 | SSTKNLIKN LTLCELNV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.02 | -0.024 | -0.04 | -0.042 | t | 24842 | HSQWNKP SKPKTNM K | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.04 | -0.041 | t | 108608 | RGGIRRQS L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.006 | t | 97594 | QTPLTETA LKWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.001 | 0.002 | t | 78680 | HPPSSRPC ANTPPSE MDTWN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.035 | 0.02 | 0.02 | t | 70444 | VPQLEIVP NSAEERLH SMKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.012 | -0.029 | -0.031 | t | 98940 | PQPGPQP PQPPQPQ P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.009 | t | 118046 | PGHKWKE VRHDNKV TWLVSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.017 | -0.02 | t | 53159 | RALRTDPE GVDPDVR APRTG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.017 | 0.019 | t | 105019 | VGERGSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.007 | 0.01 | t | 48412 | PLLSNTLA ELYVREHL REQS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0.002 | -0.013 | -0.01 | t | 56742 | SAEASRDK AFAVSKDL A | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.04 | -0.04 | t | 100644 | WRITYKDT VQLRRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.04 | -0.05 | -0.049 | t | 57743 | SFDVPSKQ PTIDIDL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.027 | 0.03 | t | 48823 | PPLLESWK DPDYVPPV VHG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.049 | 0.04 | 0.042 | t | 58397 | SHQHTDS NPSAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.002 | t | 80041 | SVAMKPY EVTPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.04 | t | 39608 | LSQNASV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.039 | 0.03 | 0.032 | t | 132764 | YQNSMDT QLGDN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.052 | 0.037 | 0.04 | t | 107154 | GKRPSCTG CSYELAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.032 | -0.02 | -0.011 | t | 109534 | LVGPRGER GFP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.063 | 0.04 | 0.042 | t | 11456 | EDTVTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.002 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.002 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.002 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 125384 | DSHYDYTI CGDSEDM VCTPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 125478 | LHQEYEEN LGDSIVGY KEKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.002 | t | 6015 | CAPESIEFP VSEARVLE D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.026 | -0.03 | -0.028 | t | 139239 | RWPEFSKF GGFDPQG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | -0.003 | 0 | t | 25021 | HVAPTHY VTESDASQ RVTQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0.002 | t | 22686 | GTHNQW NKPSKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.027 | 0.003 | 0 | t | 59784 | SMYGSYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.057 | 0.04 | 0.04 | t | 33831 | KTQIDQVE STAGSLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.033 | -0.023 | -0.037 | -0.043 | t | 111033 | STYDRDN DGWLTSD PRKQCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.12 | -0.12 | -0.104 | -0.12 | -0.123 | t | 144873 | ATWVDLV LEGDSCLTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.02 | 0.007 | 0.002 | t | 128001 | GLINRAKA VKQFEESR GRTS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.051 | -0.061 | -0.06 | t | 58077 | SGHRMA WMMMM NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.042 | 0.019 | 0.02 | t | 49137 | PQTTKPKE VPTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.02 | 0.017 | 0.02 | t | 105942 | LSADQIST VQASFDK VKGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.013 | -0.01 | -0.01 | t | 41536 | MFRGKEN ALL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.03 | -0.03 | t | 82573 | GAYKRHH QVQEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 82573 | GAYKRHH QVQEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.023 | -0.018 | t | 107226 | QQPVSSW VVFSSDAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.044 | -0.05 | -0.049 | t | 105748 | EFRHDSGY EVHHQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.03 | t | 50884 | QGILFLQW VRDIIDDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.017 | 0 | 0 | t | 35199 | LDKNHVA DIDKLID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | -0.003 | -0.001 | t | 33123 | KRELRLNP QQCGLRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.001 | -0.021 | -0.02 | t | 119810 | DTPILPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.11 | -0.11 | -0.11 | -0.111 | t | 117234 | SRGQHQA HSLERVCH CL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.009 | 0 | 0 | t | 25667 | IDSGIDSSH PDLKVA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | 0.002 | t | 33799 | KTNSSLLT | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 114211 | GSLPQKSH GRTQDEN PVVHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.017 | -0.01 | t | 141675 | IINTGSLLS LAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.037 | -0.018 | -0.027 | -0.03 | t | 32096 | KLQACEHP IGEWCMM | Bos indicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.001 | -0.019 | -0.019 | t | 23032 | GVLAQDV RFSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.033 | t | 79037 | PFWLRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.027 | -0.04 | -0.038 | t | 4427 | ASGLVSMF SV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.017 | -0.02 | t | 72133 | VYPPSSTA KSSVSNAP PVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | -0.002 | 0.007 | 0.02 | t | 78372 | ELAASAI VG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.037 | 0.009 | 0.008 | t | 55036 | RNNHPQN TSDSQKEA TD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | -0.001 | 0.001 | 0.008 | t | 26842 | IKLNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.025 | -0.03 | -0.031 | t | 126819 | PGLWLHQ AFFSPWTL LR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.019 | -0.04 | -0.042 | t | 29088 | ITSHTGYL QLRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.053 | -0.048 | t | 94702 | TCWAICKR IPNK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.042 | 0.017 | 0.02 | t | 32098 | KLQDCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.011 | -0.02 | -0.019 | t | 53247 | RAYALWS ARQQFKTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.011 | -0.02 | -0.019 | t | 53247 | RAYALWS ARQQFKTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.016 | -0.03 | -0.03 | t | 120598 | IARFKMFP EVKEKGMA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.044 | -0.04 | t | 135902 | AVSAHGCL FDRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.012 | -0.003 | -0.01 | t | 119496 | MFPEVKEK GMAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.029 | t | 119624 | PDTPYLDIT YHFVMQRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.011 | -0.01 | t | 46095 | NTFYCCCL CCYPACAGCN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0.002 | t | 52003 | QQATRQA QD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.017 | t | 97252 | DTPLTTAA LRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.048 | 0.04 | 0.032 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.015 | t | 118129 | SEELKTHI SKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0 | t | 21867 | GQGGGTH NQWNKP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0 | t | 21867 | GQGGGTH NQWNKP | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.053 | -0.049 | t | 141735 | RARLSPGD VLVIPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.025 | -0.03 | -0.03 | t | 22885 | GTVVLELQ YTGTGPGC KVPI | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 145845 | KHKVRNE VMVHWF GD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.003 | 0.001 | 0.002 | t | 94962 | VPTIAHGD GRRPSKQR TFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.005 | 0.009 | 0.017 | t | 66107 | TRTIGGSQ AQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.035 | 0.02 | 0.022 | t | 43383 | NCPYVSYG KFCIKPDG SIST | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | 0 | t | 159077 | RSKHNRRE GYKTQNG G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.024 | t | 36488 | LIEANLLW R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.047 | t | 7009 | CSICSNNP TCWAICK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 | t | 114756 | CGTDGVT YDN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.002 | 0.001 | 0.007 | t | 7761 | DDEADRYF TYEE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 40673 | LWHYPCTI NYTIFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.027 | -0.018 | t | 113349 | EAE EWYKS KFADLSEA ANRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.027 | -0.018 | t | 113349 | EAE EWYKS KFADLSEA ANRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.027 | -0.018 | t | 113350 | EAE EWYKS KFADLSEA ANRN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.027 | -0.018 | t | 113350 | EAEWYKS KFADLSEA ANRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.009 | t | 55458 | RQNKPPSK PNNDFH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.004 | -0.01 | -0.009 | t | 55458 | RQNKPPSK PNNDFH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.052 | 0.041 | 0.042 | t | 116958 | DSMNTDT STRPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.014 | -0.017 | -0.02 | t | 104309 | TLPQPPCA HGQHYGH HHHQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.017 | 0 | 0.002 | t | 95747 | QVLAQKV A | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.042 | -0.05 | -0.05 | t | 96846 | RVFPRGTV ENP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.009 | 0.011 | 0.014 | t | 37641 | LLPAADM DDFSRQL QNSM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 139881 | RGDKSRPP VWYVEGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 63808 | TGDPKPKK NKKPKNPT PPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 59326 | SLLTYMK M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 19636 | GFTTNEER YNVFAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 30263 | KDTNNNL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 1547 | AGHATLRE HLRDIKAE NTDA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.039 | t | 107887 | HKTTTSPD YTTAVGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | 0.002 | -0.011 | -0.01 | t | 48641 | PNGNVPA GVTPSKYG LGGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | 0.002 | -0.011 | -0.01 | t | 48641 | PNGNVPA GVTPSKYG LGGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.022 | 0.017 | 0.02 | t | 130859 | GLLAQQM DY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 129060 | KEIKKVAT PKKASKPK K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.03 | -0.03 | -0.029 | t | 153850 | LIRCINCQK PLCPEEKQ RHL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.015 | -0.03 | -0.03 | t | 22507 | GSSGYCA WPACYCY G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.015 | -0.03 | -0.03 | t | 22507 | GSSGYCA WPACYCY G | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.01 | -0.01 | t | 4412 | ASGAKEEA EKKAEEQR ALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.046 | 0.03 | 0.03 | t | 79843 | GPKQLTFE GKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.046 | 0.03 | 0.03 | t | 79843 | GPKQLTFE GKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.036 | -0.04 | -0.04 | t | 73385 | YALADASL KMADPNR FRGKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.023 | -0.02 | t | 70045 | VNAGFKT AVAAAAAN V | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.006 | -0.011 | -0.01 | t | 65725 | TPQRAGSP LPRSSS | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | -0.001 | 0.002 | t | 79016 | LMKKMGS GDGTELT ISEGGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 117140 | DWEYSVW LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 117140 | DWEYSVW LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.01 | 0.011 | t | 2806 | ALNYQAQ ALEEIIKYR YNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.023 | 0.01 | 0.01 | t | 105945 | LTHCGSGA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.013 | 0.02 | t | 122386 | GRLERPSE PRLPLLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.034 | 0.01 | 0.01 | t | 36364 | LHDFRSDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.027 | -0.019 | t | 96497 | KRELRLNP Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.01 | -0.009 | t | 95109 | KNVRFPD GLIWKPDI LLYNS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 124925 | YYVFFEEQ EDEIIGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 130787 | EDFDIYDE DE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 107307 | DAEFGHD SGF | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 107307 | DAEFGHD SGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 70390 | VPNLRGDL QVLAQKV ART | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 75441 | YPYDVPDY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 75441 | YPYDVPDY A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 68813 | VGVIKSIAP ASKNL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 31067 | KGTAPEGV AFGNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 14261 | ESRRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 31773 | KLCKGTAP FGVAFGNS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|--------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 14261 | ESRRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 11815 | EENVEENV EENVEENV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 14261 | ESRRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 32 | AAAETGV GVIKSIAP | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 5261 | AVALADLG DFENSA | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.024 | 0.02 | 0.021 | t | 41121 | MASGGGE TALALLLD RLNQ | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.057 | -0.07 | -0.07 | t | 142325 | VIIEKRGKV EVEGHLID | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.01 | 0.02 | t | 117346 | PSALLRQF TTAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.03 | -0.027 | t | 9684 | DPMFTPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.03 | 0.021 | 0.02 | t | 67220 | TVYDPLQP ELDSFKEEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.013 | -0.017 | -0.009 | t | 23169 | GVTHDQL NNFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.013 | -0.017 | -0.009 | t | 23169 | GVTHDQL NNFR | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0.001 | t | 20097 | GGYGDGG AHGGGYG G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.007 | 0.01 | t | 125789 | CQGDGYR VGFGQCA G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.06 | -0.06 | -0.058 | t | 117516 | GRGRGRG RGRGRGG P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.019 | -0.02 | t | 97170 | ADQELGD APFLDRLR RDQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.019 | -0.02 | t | 97170 | ADQELGD APFLDRLR RDQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.009 | -0.008 | t | 57635 | SESTIGDVL QQMAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.023 | 0.023 | t | 100378 | PGSGFWS FGSEDGSG DSEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.001 | -0.02 | -0.018 | t | 56565 | RYKQKIIAP AKQLL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0.002 | t | 127983 | FTNFKFKIR KITNFDRV N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.009 | -0.01 | t | 80920 | DDESKVAK LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.045 | -0.05 | -0.05 | t | 139686 | ANIREEMR RLQRRKQL CF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.03 | 0.021 | 0.021 | t | 94978 | YLKDQQLL GIWGCSG KL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.003 | 0 | 0.001 | t | 31663 | KKPNRNG GG | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.027 | -0.02 | t | 135995 | SIQSIVPAL EIA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.059 | t | 125248 | RVPPRYHAKISPMVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.034 | 0.03 | 0.032 | t | 34243 | KVVQLPKISKNALKANG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.015 | 0.02 | 0 | 0 | t | 12375 | EHWSYGLRPG | Canis familiaris |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.026 | -0.029 | -0.03 | t | 49506 | PSSKRFQPFQQFGRDVSDFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.003 | t | 11571 | EEEDDDMGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.003 | t | 11571 | EEEDDDMGFGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.01 | t | 144592 | AMTDPKLDHMRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0.009 | -0.007 | -0.01 | t | 36838 | LKENIKYEV AIFVHGPTVE | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.021 | -0.04 | -0.038 | t | 21469 | GNLLLSCL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.018 | -0.039 | -0.04 | t | 127939 | CPLPPPRSPPVPPPRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | -0.004 | 0.003 | t | 70620 | VQNTVEDLKLNTLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | 0 | t | 110840 | EVTIGDIEEPPILEVPE TH | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.065 | -0.07 | -0.07 | t | 78946 | DAWCGSRGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.041 | 0.03 | 0.033 | t | 94885 | NAYANEEATK | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | 0.004 | -0.01 | -0.009 | t | 100222 | KNSFSLGE NPNANP | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.011 | t | 118346 | FEYFPSHFF VPELEVTTII C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.035 | 0.02 | 0.022 | t | 70478 | VPSLEDIRS AEVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.007 | t | 134784 | RKRSQML FRGRRASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | -0.01 | t | 41344 | MEECSQS APYIEQAQ AIAQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.04 | -0.04 | t | 64057 | THNQWN KPSKPKTN LK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.017 | -0.027 | -0.03 | t | 147410 | WQAKHQ GAQYVW N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.01 | t | 114042 | YGSLPQKA QRPQDEN G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.01 | t | 114042 | YGSLPQKA QRPQDEN G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.028 | 0.021 | 0.022 | t | 58954 | SKTVGTAE EKLKKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.038 | 0.032 | 0.032 | t | 29752 | KAALIEEG QRMAEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.059 | 0.061 | 0.057 | 0.061 | t | 99205 | EKESPEKE DQEEENQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.012 | 0 | 0.003 | t | 132843 | ITPWPHW LERSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.006 | -0.009 | -0.01 | t | 17801 | FSPGPSQK IQLVNT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.038 | 0.03 | 0.03 | t | 10888 | DYGGDSTT PRPRYNAT TYLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.013 | -0.01 | t | 67264 | TWHLPSH TQTQG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.039 | 0.02 | 0.02 | t | 116740 | GRDPYSPS QDPYSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.037 | -0.06 | -0.061 | t | 94494 | ECCNPAC GRH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.053 | -0.037 | -0.06 | -0.061 | t | 94494 | ECCNPAC GRH | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.02 | -0.018 | t | 43547 | NDYDGFLE NAHEHHG VYNQG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.006 | -0.02 | -0.02 | t | 120478 | EGNRPTNS IVFTKLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.003 | -0.003 | 0 | t | 481 | AAVDSSKA ALTSKLDA AYKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.012 | -0.013 | t | 99063 | YDPRGHT GTTNQRS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.043 | -0.038 | t | 118204 | VKQSHGK SL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.005 | t | 124734 | SPLSLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.04 | -0.039 | t | 140595 | RHEDGDW PRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.019 | 0 | 0 | 0.006 | t | 21851 | GQCKWV NGREICND RDRPTA | Macaca fuscata |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.013 | -0.03 | -0.03 | t | 94763 | AAPAKKA APAKKAA A | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.031 | -0.033 | -0.03 | t | 142128 | DSKSRDTT PKNANKH TWKKT | Felis catus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.015 | 0.02 | 0.026 | t | 60721 | SRKSYKKM LKEMGEV APEYR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.016 | -0.001 | 0 | t | 39169 | LRPTFDTR LMRLEDE MKEGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.01 | -0.01 | t | 16577 | FLENAHEH HGVYNQG RGIDS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.045 | -0.04 | -0.039 | t | 40281 | LVASNWY NRQIERSS RTLK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | -0.003 | 0.004 | t | 49534 | PSTPGERV RH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.001 | -0.001 | t | 32484 | KNESKYSN TFQMNAV NMSIR | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.007 | -0.008 | t | 45702 | NRLIAFAS RGNHVSP RHYV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.012 | -0.011 | -0.009 | t | 35813 | LFDLGPQK K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.002 | -0.01 | -0.009 | t | 51854 | QPHGGSW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.019 | -0.031 | -0.029 | t | 36045 | LGAARGYT FGAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.013 | 0.02 | t | 116917 | AESDDSS TTRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.027 | t | 119530 | SRKVALQG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.029 | -0.028 | t | 49398 | PSHLPYIE QGMQLAE QFKQK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.027 | -0.027 | -0.028 | t | 22619 | GTDGPCK VPISSVASL NDLT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.021 | -0.021 | t | 88470 | SEDREVFD HGRNNMI FVYNR | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0.003 | 0.001 | t | 939 | AEGEFRLG VRALRKAP DPAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 95939 | TVHFHYFK LAVQPQV NKEIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.028 | 0.011 | 0.012 | t | 16060 | FGSLGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.021 | -0.04 | -0.04 | t | 38584 | LPLPWLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.016 | -0.029 | -0.03 | t | 133686 | RTLDSHWI RVGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.023 | 0.023 | 0.02 | t | 136073 | LSKNNAIE PRSFQNS RHPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.05 | -0.051 | t | 110759 | AAHRKESY SIYVYKVLK QVH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.035 | -0.053 | -0.05 | t | 29403 | IVPNSVEQ KH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.035 | -0.053 | -0.05 | t | 29403 | IVPNSVEQ KH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.035 | -0.053 | -0.05 | t | 29403 | IVPNSVEQ KH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.039 | -0.038 | t | 65971 | TQWQVLP CSFTTLPAL STGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.021 | -0.019 | -0.017 | t | 48751 | PPATVYRY DSRPPE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.054 | -0.05 | t | 135945 | KFGADAR ALMLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.007 | 0 | t | 112406 | YEYLINVIH AFQYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.014 | 0 | 0.002 | t | 16062 | FGSMLELS WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.039 | 0.046 | 0.03 | 0.03 | t | 64306 | TIGGSQAQ TA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0.003 | t | 121064 | WKHWVY YTCCPDTP YLDITY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.036 | 0.019 | 0.021 | t | 94885 | NAYANEE ATK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.014 | -0.019 | -0.02 | t | 16449 | FKQKARGL LQTATKQA EAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.006 | -0.007 | -0.008 | t | 25421 | IASGLSQE RNFVDSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.041 | -0.04 | -0.036 | t | 124232 | GSITRDSIF RLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.003 | 0.011 | t | 132365 | HKYSWKS WGKAKIIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.015 | 0.013 | 0.013 | t | 116035 | YGSLPQKS GHRTQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.013 | 0.013 | t | 116035 | YGSLPQKS GHRTQD | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.047 | -0.04 | t | 108877 | DRGFYFNK PTGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.011 | t | 78923 | AFGANS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.017 | -0.003 | -0.003 | t | 110837 | ERSLSLLNC EEIKSQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0.001 | t | 105894 | KCNTATCA TQRLANFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.079 | 0.06 | 0.059 | t | 66072 | TRNTGQP ATDHYYSN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.021 | 0.017 | 0.021 | t | 99775 | WELQGDR RCQSQLER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.008 | -0.01 | -0.008 | t | 43724 | NEQSLGLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.09 | -0.089 | -0.09 | -0.091 | t | 138856 | GRGRGRG R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.024 | -0.03 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.03 | t | 79525 | CKMWAD AFTSSRGK VVECG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.024 | -0.03 | -0.03 | t | 79525 | CKMWAD AFTSSRGK VVECG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.009 | t | 122871 | PETQPGPL TLELQIAK DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.007 | 0 | 0 | t | 46841 | PAKLLKER GFFGAIAG FLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.047 | 0.04 | 0.042 | t | 60985 | SSFEDSDS GSDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.021 | -0.02 | t | 66544 | TTASPLSSI FSRIGDPA LN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.046 | 0.067 | 0.053 | 0.061 | t | 115634 | PQKAQRP QDEN | Macaca mulatta |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.005 | -0.007 | 0.001 | t | 112406 | YEYLVNVIH AFQYV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.03 | -0.028 | t | 142480 | VAAVTEKL RAGT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.029 | -0.039 | -0.05 | t | 20011 | GGSGGGRG RGGSGGR GRGGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.03 | -0.03 | t | 139305 | TAAQITQR KWEAARE AEQRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 139305 | TAAQITQR KWEAARE AEQRR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.007 | 0.012 | t | 481 | AAVDSSKA ALTSKLDA AYKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.002 | -0.02 | -0.018 | t | 78836 | SPKRIGTG DR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.002 | -0.02 | -0.018 | t | 78836 | SPKRIGTG DR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.01 | t | 95689 | PTPTPDQP EPNKPVEP TYEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0 | 0.011 | t | 108649 | TDANKQK GIEWNHDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0 | 0.011 | t | 108649 | TDANKQK GIEWNHDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.031 | -0.03 | -0.028 | t | 6225 | CFGKDLKR PGSSPME V | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.011 | -0.027 | -0.03 | t | 75539 | YQQQGRL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.01 | -0.02 | -0.017 | t | 13972 | ERDPANIP WDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.022 | 0 | 0 | t | 94624 | NPACGRH Y | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.03 | t | 57644 | SETFTNKL KEKHTDLG KEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.01 | t | 122790 | HQEEDFR VTCKDIQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.009 | t | 94832 | GLFGNNE NQTKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | -0.002 | 0.01 | 0.022 | t | 11481 | EDYPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.023 | 0.03 | t | 119599 | KAEEYILKK PRSELMFE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.07 | -0.07 | t | 130912 | KADILPEM NSMRADR M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.07 | -0.07 | t | 130912 | KADILPEM NSMRADR M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.011 | t | 131318 | VPSTPPTP SPSTPPTPS PS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.008 | t | 9103 | DLGPLAAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.005 | -0.019 | -0.02 | t | 57784 | SFGVWIRT PPAYRPPN APIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.108 | -0.098 | -0.103 | -0.11 | t | 134791 | RRRSRKPE APRRRSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.053 | -0.05 | t | 149111 | SRSRFPW LNPLDGW | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.014 | -0.04 | -0.042 | t | 53164 | RAMAGRC RLLLSIGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.029 | -0.043 | -0.039 | t | 111682 | QNFGLFYP NKQPVYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.009 | -0.013 | 0 | t | 79606 | LPYTMWV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.003 | -0.029 | -0.032 | t | 62050 | SVARTRGL YDDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.061 | 0.057 | 0.051 | 0.057 | t | 136550 | PIMTQGS L YNDS | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.015 | t | 73080 | WSLDPHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.003 | -0.013 | -0.01 | t | 58083 | SGIGPEKA FR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.032 | t | 126897 | QSQQFSVS ENLLKEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 109917 | SHQESTRG RSRGRSGR SGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 64541 | TKDTNNN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.011 | 0 | 0 | t | 56086 | RTIPVPVD GMEYHW GNNDPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.038 | -0.04 | -0.04 | t | 102535 | INLVHWN KKKYSSYEE AKKH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.003 | -0.02 | -0.02 | t | 30821 | KFPTLDHV | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.01 | t | 12050 | EFMEKECP FIKPEV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0 | t | 58931 | SKQPTIDID LCDICT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.06 | 0.059 | 0.067 | t | 117223 | NTWTTCD SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.012 | -0.003 | -0.01 | t | 119496 | MFPEVKEK GMAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.02 | 0.013 | 0.01 | t | 8731 | DINKVLEK LGYSGGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | -0.002 | t | 3201 | AMTQAQK AGKPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.03 | t | 118077 | QEMPLTA LLRNLGK MT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0.003 | t | 57250 | SDMYGLIV AQWLSTV NTQF | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | 0.011 | -0.007 | -0.008 | t | 48955 | PPYVEPTA PQVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.02 | -0.04 | -0.04 | t | 141669 | HNHGSISA LMHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.012 | 0 | 0.001 | t | 120705 | KNQFDHY SRHESCAE L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 150204 | FHSVHTL LEWLMEK ELMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 122290 | CSNSSSQ FQIHGPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 131297 | FSLRLMEE NWNAEKR SPTF | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 122293 | CTYVLDPE NLTLKAPY EA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 122293 | CTYVLDPE NLTLKAPY EA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 123016 | AIYENEIHA LWADLP | Trichosu rus vulpecul a |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 127857 | TDVRYKD DMYHFFC PAIQAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 125185 | NSSSSQFQ IHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 122293 | CTYVLDPE NLTLKAPY EA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 122289 | CSNSSSSQ FQIHGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 127856 | TDVRYKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.047 | 0.02 | 0.018 | t | 31069 | KGTFDPLQ EPRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.018 | -0.01 | -0.014 | t | 24403 | HNQWNK PSKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.022 | 0.007 | 0.01 | t | 107080 | AGPDCSSL PNSMRCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.047 | -0.05 | t | 147038 | ILYGNGPG YALGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.013 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.029 | -0.028 | t | 14190 | ESKLTPPPL NPIRVV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.03 | -0.027 | t | 9684 | DPMFTPK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.026 | 0.02 | 0.022 | t | 52421 | QSRGEARE SYRETGPS RA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.016 | -0.02 | t | 33043 | KQNIQLIN TNGSWH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.008 | -0.029 | -0.03 | t | 98391 | QPVKDSW MSSRGFD E | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0 | 0.001 | t | 121769 | QVRLAIDC PNHDAPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.026 | -0.029 | -0.03 | t | 49506 | PSSKRFQP FQQFGRD VSDFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.029 | -0.03 | t | 49506 | PSSKRFQP FQQFGRD VSDFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.033 | -0.029 | t | 45990 | NSSSFNTT QGWHHP SQRLLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.002 | -0.019 | -0.021 | t | 98940 | PQPGPQP PQPPQP P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.032 | -0.023 | -0.01 | t | 78505 | RLGDYLID QGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 33859 | KTSERSQP RGRQPIP KARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.01 | t | 33859 | KTSERSQP RGRQPIP KARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.023 | -0.027 | -0.027 | t | 130555 | MHNRTQA LEDSR | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.008 | t | 134784 | RKRSQML FRGRRASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.012 | -0.01 | -0.01 | t | 43435 | NDFHFEVF NFVP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.06 | -0.05 | t | 114906 | NKDLRPIC GT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.02 | t | 63231 | TDSGDGR QTITN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.026 | -0.03 | -0.03 | t | 99134 | DAEFRHDS GYEVHHQ | Canis familiari s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.03 | -0.022 | t | 106425 | FPIHSSCN AT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | -0.001 | t | 14191 | ESKVQDII DLIDH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.018 | -0.025 | -0.03 | -0.03 | t | 8773 | DIRTLEDLL MGTLGIVC PIC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.01 | -0.027 | -0.03 | t | 42053 | MLRTWL MKTQGIES W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.001 | -0.001 | t | 32485 | KNESKYSN TFQVNAY NMSIR | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.045 | 0.017 | 0.02 | t | 45279 | NNVDQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 79843 | GPKQLTFE GKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 79843 | GPKQLTFE GKPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.01 | -0.029 | -0.03 | t | 470 | AATRFMK DLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0 | t | 746 | ADPSIMAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.02 | t | 114203 | ENPVVHFF FNIVTPRT P | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.024 | 0.007 | 0.01 | t | 95610 | NDECAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 142810 | KEWEQIYR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 142695 | GSHSLRYF YTAVSRP | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.036 | 0.019 | 0.019 | t | 109326 | IEESDDRR YDLVGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.045 | 0.047 | 0.049 | t | 124373 | KPSARFSG L | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.04 | -0.04 | -0.014 | -0.04 | -0.028 | t | 24849 | HSSWYIQ HFPPL | Mus musculus |
| 1 | 1.00 | 1 | 0 | -0.04 | -0.037 | -0.014 | -0.04 | -0.028 | t | 24849 | HSSWYIQ HFPPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.027 | -0.027 | t | 68054 | VDREGRD NVRSGKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.021 | 0.029 | t | 55723 | RRRPFYHS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 151731 | SAQSQRA PDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | 0 | t | 159080 | RSNHNRR PGYKTQS QG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.01 | -0.03 | -0.03 | t | 133667 | QDVCTYR DFMYK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.03 | 0.021 | 0.022 | t | 94978 | YLKDQQLL GIWGCSG KL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.058 | t | 125248 | RVPPRYHA KISPMVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0 | t | 64543 | TKDTQTG MSGQTTP Q | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.018 | t | 4037 | AQPREPGS YTNVFDHL DWIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.013 | -0.013 | t | 130980 | NCAYKTTQ ANKQAQI HGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.027 | 0.017 | 0.02 | t | 3221 | ANAANE DYQAKLTA YQTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.035 | 0.017 | 0.017 | t | 70444 | VPQLEIVP NSAEERLH SMKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.033 | -0.03 | t | 17964 | FTGIQIICL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.01 | t | 120601 | IDISDISGK QVTGEVIF QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 145845 | KHKVRNE VMVHWF GD | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.013 | -0.008 | t | 51258 | QKTAASY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.051 | -0.06 | -0.06 | t | 100382 | PKHVRVW CPRPPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.02 | t | 63529 | TESMAGK REM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.049 | -0.059 | -0.06 | t | 120441 | DKVLPLVA IVVSVGLA VSYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.023 | 0.022 | t | 131261 | SHMPLAN QYQWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | 0 | -0.012 | -0.009 | t | 25182 | HYMKCPL VKGQQYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.045 | -0.06 | -0.058 | t | 19983 | GGQPAVR NER | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.021 | 0.01 | 0.01 | t | 40214 | LTTTERQH NAYRDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.023 | -0.043 | -0.042 | t | 11582 | EEEGAIVT VRGGLRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.036 | 0.021 | 0.021 | t | 141563 | SPKLQGE ATLAPT | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.01 | -0.003 | 0 | t | 25219 | IAAEQDRN TREVFAQV K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.057 | 0.041 | 0.04 | t | 89745 | TTELTAE NQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.019 | 0.03 | t | 103887 | EQWSLPW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.028 | t | 140718 | NKWERAR YAER | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.03 | 0.032 | t | 72248 | WANLMEK IQASVATN PI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.038 | -0.05 | -0.05 | t | 122576 | SHRLRERT HHPRLPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.07 | -0.07 | -0.07 | t | 136056 | DGKKWQT YRGNSTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.01 | -0.023 | -0.028 | t | 128083 | QFLGVPYA APPLAERH FQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.054 | 0.04 | 0.042 | t | 75274 | YPEEVVE VPEEVVE EVVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.054 | 0.04 | 0.042 | t | 75274 | YPEEVVE VPEEVVE EVVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.043 | -0.051 | -0.05 | t | 60362 | SQADQGS FYVNHQIL FLHLK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.066 | 0.05 | 0.054 | t | 136061 | ETQAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.007 | -0.02 | -0.018 | t | 52466 | QTADWYT IGVYVIG | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.02 | t | 145841 | KEDFRYAIS STNEIGLLG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.061 | -0.07 | -0.07 | t | 121932 | TRGYLERR L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.006 | -0.003 | 0 | t | 55457 | RQNKPPN KPNND | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.049 | 0.043 | 0.043 | t | 110999 | REEAENTL QSFRQDV NTLQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 125870 | EEEEEEEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 125085 | GTPSHSRR QPHVMS | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 11813 | EENVEENV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 14952 | EWSPCSVT CGKGTRSR KR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 7491 | DAEFRHDS GYEVHHQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 10227 | DSSAHGTP STPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.037 | 0.019 | 0.02 | t | 78985 | GQGGGTH NQWNKPS K | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.026 | -0.03 | -0.028 | t | 139225 | REAEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.048 | t | 113738 | PVEVSRKN PKFMETV AEKAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.07 | -0.071 | -0.07 | t | 134022 | CSGRKHKE NVKDYYQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.039 | -0.05 | -0.051 | t | 141955 | LTYLRGIST KVTVGNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.007 | 0.01 | t | 104144 | NDSQCWK LGCIAEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.033 | -0.053 | -0.052 | t | 76396 | YVRGGGA VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.034 | -0.03 | t | 135984 | RPGGCSA VSAHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.01 | t | 61410 | SSTRGGSR VEGIFAGL FMNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.031 | t | 119608 | LGTWTYD GSVVAINP ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.037 | 0.023 | 0.032 | t | 134801 | SSATPNRL TWLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.009 | -0.01 | t | 84003 | ITGPGTNN PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.009 | -0.01 | t | 84003 | ITGPGTNN PE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.019 | 0.001 | 0 | t | 55304 | RPQPTEL RY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.03 | -0.022 | t | 96212 | EEAEDKED DA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.005 | -0.01 | -0.008 | t | 51438 | QLSSSKYT IQRSTGDN IDT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.045 | -0.046 | -0.05 | -0.05 | t | 99134 | DAEFRHDS GYEVHHQ | Canis familiari s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0 | -0.011 | -0.012 | t | 89849 | VAFNRFH VGTHPAP GKTNLY | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.005 | -0.01 | -0.008 | t | 6895 | CQQTLSVR ALC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.029 | -0.028 | t | 72091 | VYLLPRRG PRLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.057 | -0.052 | t | 110028 | VESVRAYP IWAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.01 | t | 110116 | YCAPLKPA KSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.011 | -0.007 | -0.01 | t | 72335 | WDVRPLT ETRGLFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.016 | -0.008 | -0.027 | -0.03 | t | 33504 | KSRYGFGA KEVRSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 24596 | HQNITNIN SDSQGRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.04 | -0.04 | t | 100644 | WRITYKDT VQLRRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.017 | -0.02 | -0.019 | t | 43107 | NAAAAAL DKKQRNF D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.02 | -0.02 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.033 | 0.04 | t | 144756 | QVGTHPG LANDYEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.01 | -0.019 | -0.018 | t | 79053 | QLVNTNG SWHINRT ALNC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.004 | -0.017 | -0.02 | t | 32734 | KPIISVIMY ETNQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.019 | t | 137769 | SHQESTKG KSKGKSGK SGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 50103 | PYIEQGM MLAEQFK QKALGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.021 | t | 116684 | CNYYSNSY SFWLASLD PKR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.001 | -0.021 | -0.021 | t | 39613 | LSQQSGN VKITVGGK KVKYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.026 | -0.023 | -0.02 | t | 105854 | GVTHDQL NNFRAGF VSYMKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0.01 | 0.011 | t | 19639 | GFTWTGV TQNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.034 | -0.03 | t | 125540 | QSLRQRKS VNALNSPL HQEY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | t | 16298 | FISEPSIPSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.052 | t | 131048 | RQSDGQY QM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.019 | t | 133536 | CKPVENRA C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0 | t | 104759 | EALYLVCG ERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.01 | 0.01 | t | 121035 | VKMTLKN REPVQLET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.032 | t | 120812 | NCTMKLGI WTYDGTK VSISP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.065 | -0.047 | -0.063 | -0.07 | t | 108659 | TIHAHPGS RRGGRHG YHH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.026 | 0.034 | t | 138202 | LPTITNT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.039 | t | 108082 | QKTTTRPY PNLQIDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.04 | -0.053 | -0.051 | t | 41736 | MIKVGFP TGAFMSP RWKSH | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.034 | 0.02 | 0.021 | t | 97288 | ETQLTTAG LRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.016 | 0.02 | 0.03 | t | 106905 | THTYSPAP FTLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.003 | -0.01 | -0.01 | t | 30420 | KEGYLMD HEGCKLSC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.002 | -0.02 | -0.02 | t | 97601 | RGRRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.029 | -0.037 | -0.038 | t | 114810 | ENPVVHFF RNIVTART P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.028 | 0.009 | 0.01 | t | 99824 | ITQSTQSF N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.063 | -0.071 | -0.07 | t | 130906 | IRGPGVLA GGRSAGA R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | t | 73430 | YAQYMSR AYAEFLGE DPGSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.027 | t | 134130 | LCSQNPPV LKRHQRE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.051 | -0.05 | t | 142439 | LARLARLG EACG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.028 | 0.017 | 0.026 | t | 29128 | ITVEELKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.009 | t | 119563 | EDHRQVV EVTVGLQL I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.045 | -0.051 | -0.05 | t | 50401 | QCAPAWR GRNCG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.011 | -0.01 | -0.012 | t | 42583 | MSKKSGK WWESDD KFAKAVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.008 | t | 11860 | EERLHSMK EG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.029 | -0.027 | -0.028 | t | 48752 | PPAVGPP AAGPPAA GPPAAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.03 | -0.04 | -0.041 | t | 69166 | VIYHKPLA GVYRALKK QIG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.02 | 0.011 | 0.012 | t | 56366 | RVNAANK KPEDLTN DLETD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.006 | -0.023 | -0.022 | t | 52745 | QVMFDFA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.01 | -0.024 | -0.028 | t | 58832 | SKGANPVE IR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.018 | -0.027 | -0.02 | t | 107201 | LIVPEGAR TSLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.067 | 0.067 | 0.07 | t | 108282 | AQAYDLSP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.046 | -0.05 | -0.048 | t | 106906 | THWQGVY WVGATPK A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.045 | 0.039 | 0.05 | t | 79051 | QKSSPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.011 | 0.01 | t | 65774 | TPSPVVVG TTDRSGAP TYSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 108906 | ENDEWTQ DRAKPVT QI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.057 | -0.07 | -0.07 | t | 142292 | SHLQLIYNL TLCELNGT DW | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.045 | -0.049 | -0.049 | t | 57540 | SELSPLLLT TTQWQVL PCSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.025 | -0.03 | -0.03 | t | 21500 | GNPTYSW GENDTDV LLNNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.045 | -0.05 | -0.05 | t | 115133 | YRLRGKLR AEIENLHR TFDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.045 | -0.05 | -0.05 | t | 115133 | YRLRGKLR AEIENLHR TFDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.007 | 0.01 | t | 108259 | AAFSELPL G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.024 | 0.031 | t | 138244 | SSTIANT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.057 | t | 119444 | EALKKIID QQESLNK WKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.012 | -0.009 | -0.01 | t | 78985 | GQGGGTH NQWNKPS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.005 | -0.016 | -0.02 | t | 10159 | DSLIDIER NVVTVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.019 | -0.02 | t | 66295 | TSLFTPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 141105 | WEISQASH YFERHLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.02 | -0.02 | t | 141105 | WEISQASH YFERHLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.03 | -0.03 | t | 135972 | PRRPGGLG GSGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.011 | 0 | 0.001 | t | 92900 | HEALREPR KLERTISK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.011 | t | 108078 | PTSPSGVE EWIVTQV VPGVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.039 | -0.047 | -0.04 | t | 145228 | GRTDRPSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.012 | -0.023 | -0.019 | t | 110948 | MVTSDAQ IFNKPYWL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0 | t | 1480 | AGDSSTKN LIYTSTLCE LNV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.002 | -0.019 | -0.021 | t | 78437 | KVTNGSKS YTLRYLASV VK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.097 | t | 143677 | DRVNLRKL RGYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.019 | -0.01 | t | 131817 | AIFLSFQHL L | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.01 | -0.01 | 0.017 | -0.01 | 0.002 | t | 43232 | NANNPD WDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | -0.008 | t | 31072 | KGTHSLYS QIAGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.013 | -0.009 | t | 11055 | EAGKHSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | t | 156756 | SGPSYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.001 | t | 266 | AALANSLS LGPQQKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.006 | -0.013 | -0.011 | t | 119304 | PNQEKVS GIPEQEYS C | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.011 | -0.03 | -0.03 | t | 13912 | EQQRYLN NFRFIELV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.029 | -0.03 | t | 42929 | MVDRGW GNGCGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.061 | 0.041 | 0.038 | t | 53435 | RDVSDFTD SVRDPKTS EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | -0.001 | 0.001 | t | 78934 | AVGQKVT LKWDAPN GTPNPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0 | t | 48993 | PQEQITQH GSPYGRCA NK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.034 | 0.013 | 0.01 | t | 64004 | TGYGTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 10852 | DYAWDDF YAMGD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.031 | t | 72178 | VYVEELKP TPEGDLLEIL LQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | 0.003 | 0.002 | t | 106403 | ETLEGHLF TRTHDHR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.012 | -0.01 | t | 99040 | VLDTDYKK YLLFCMEN SAEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.007 | -0.008 | t | 70026 | VMTVEIRK QNMTEF MELWSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.025 | 0.011 | 0.01 | t | 22204 | GRSNSGR GRGAIDRE QSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.001 | -0.01 | -0.01 | t | 93546 | PDMAEEIA ALVLAKLG KDA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.028 | 0.037 | 0.05 | t | 78552 | VERLG DYLI DQGL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0.002 | -0.011 | -0.012 | t | 6530 | CKTHLKAS SGYCAWP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.009 | -0.004 | -0.006 | 0 | t | 109306 | HYNIVTFC CKCDSTLR LCVQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 10433 | DTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.022 | -0.013 | 0 | t | 78505 | RLGDYLID QGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.029 | -0.024 | t | 52817 | QVWIPPL NVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.04 | 0.023 | 0.021 | t | 75629 | YRLATNAS QAGVEKIL SAL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.04 | 0.023 | 0.021 | t | 75629 | YRLATNAS QAGVEKIL SAL | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.04 | -0.042 | -0.015 | -0.043 | -0.029 | t | 102102 | SYSMCTGK FKVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.001 | -0.009 | -0.01 | t | 73744 | YEPYYHSD HAESSWV NRGES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.039 | 0.02 | 0.022 | t | 34498 | KYLEEPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.008 | 0.002 | t | 110385 | QLYKTCKQ AGTCPPDII PKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.032 | 0.01 | 0.01 | t | 94625 | NPACGRH YSC | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.024 | -0.02 | -0.014 | t | 122915 | THKANPSP EPNMHEC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 116286 | CGKGLSAT VTGGQKG RGSR | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.006 | -0.007 | 0 | t | 109755 | QKSGSHE NQNILTNG SNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.027 | t | 106514 | HKMTNFP DSLLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.03 | -0.03 | t | 4853 | ASYNKSLG AAPIRTQP RWNY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.047 | -0.035 | t | 128093 | RNAIELRF VL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.01 | t | 56496 | RWWQHR PSHTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.014 | 0.02 | 0.01 | 0.014 | t | 142827 | KVEFWPC SPITQGDR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.036 | -0.02 | -0.008 | t | 145729 | CPPDIIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.028 | -0.047 | -0.05 | t | 33504 | KSRYGFGA KEVRSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.019 | -0.01 | t | 131817 | AIFLSFQHL L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.013 | -0.01 | t | 11453 | EDTQAMP FRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.027 | 0.03 | t | 123439 | LLARDAPD TDWCDSIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.057 | -0.057 | -0.058 | t | 58193 | SGPRHRD GVRRPQK RPSCIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.017 | -0.018 | t | 95677 | PPSGSGRR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.032 | 0.01 | 0.01 | t | 18833 | GAVVGGL GGYML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.017 | -0.031 | -0.03 | t | 4764 | ASSAVDD APWAVITF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.04 | -0.043 | -0.038 | t | 130509 | HKKDFAR GPGWS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.005 | -0.031 | -0.032 | t | 58834 | SKGCKITCF LTAAGY | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.013 | -0.008 | t | 121717 | PRRPVDV GNYWNIP S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.011 | 0.016 | t | 74138 | YHSSVVHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.001 | 0.01 | t | 135663 | EGGRDSC Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | -0.002 | 0 | 0.007 | t | 7761 | DDEADRYF TYEE | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.021 | -0.039 | -0.038 | t | 38583 | LPLPWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.005 | -0.02 | -0.021 | t | 142881 | LRGYYNQS EGGSHTI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.053 | -0.067 | -0.059 | t | 131654 | SGFGVVKK PNY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.028 | -0.04 | -0.04 | t | 42532 | MSDLTDIQ EDITRH | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.02 | t | 115134 | YRNGKDQ DGDQAPE YRGRTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.015 | -0.02 | -0.02 | t | 115134 | YRNGKDQ DGDQAPE YRGRTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.052 | 0.04 | 0.042 | t | 116958 | DSMNTDT STRPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.041 | -0.06 | -0.061 | t | 122536 | QAQIHGP R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.071 | 0.066 | 0.071 | t | 118817 | GNGLG EK GDTSGPE GSGGSG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.033 | -0.033 | -0.047 | -0.039 | t | 32151 | KLSATDPL AHYK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.033 | -0.033 | -0.047 | -0.039 | t | 32151 | KLSATDPL AHYK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 114211 | GSLPQKSH GRTQDEN PVVHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.01 | 0.014 | t | 37641 | LLPAADM DDFSRQL QNSM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.042 | -0.061 | -0.06 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.011 | -0.03 | -0.03 | t | 102767 | RLRGDYN VGPIRFG WPVAPN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 119038 | TSTNGIKKI LIF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.008 | t | 21760 | GPRLGVRA TRKTSERS QPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.008 | t | 21760 | GPRLGVRA TRKTSERS QPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.008 | t | 21760 | GPRLGVRA TRKTSERS QPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.009 | -0.008 | t | 21760 | GPRLGVRA TRKTSERS QPRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.063 | 0.081 | 0.06 | 0.063 | t | 23975 | HHAEMQ NPVYLIPET VPYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.051 | -0.06 | -0.06 | t | 99933 | DFGVLA VR VVNDHN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.023 | -0.029 | t | 119563 | EDHRQVV EVTVGLQL I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.007 | -0.023 | -0.029 | t | 119563 | EDHRQVV EVTVGLQL I | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.03 | -0.03 | t | 89292 | SYHAGFNY KNGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.055 | -0.059 | -0.06 | t | 13103 | ELISSCLV WSARGCL FGGGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.009 | -0.01 | t | 9582 | DNYWSFS DSTYWTLR YSSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.02 | 0.022 | t | 58052 | SGGNTNQ QR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.02 | 0.022 | t | 58052 | SGGNTNQ QR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.05 | -0.057 | -0.048 | t | 128297 | APKSPAKA KAVKPKAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | -0.007 | -0.002 | 0.003 | t | 157283 | FTNRRCDs NATNAR | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.068 | 0.04 | 0.039 | t | 102004 | QPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.012 | -0.027 | -0.028 | t | 50688 | QERLAKLA GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 135471 | KDKATFGC HDGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 123562 | NSSSSQFQ IHGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 117921 | IGIIDLIEKR KFNQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 108200 | VSLGKWL GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 107951 | KTTICGKG LSATVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 46317 | NTWTTCQ SIAFPSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.01 | -0.009 | t | 28105 | IPVLGTFAL VSYIANKV LT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.009 | t | 28105 | IPVLGTFAL VSYIANKV LT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | -0.001 | -0.01 | -0.009 | t | 28105 | IPVLGTFAL VSYIANKV LT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | 0.002 | t | 36116 | LGGDILFG WERTRED GVQEY | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.037 | t | 119453 | FSNHGEIK WIDFVRG AKEGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.013 | -0.011 | t | 43152 | NAGGNAG GNAGGNA GGNAGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.029 | -0.04 | -0.04 | t | 51798 | QPCHRDM FGFCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.029 | -0.04 | -0.04 | t | 51798 | QPCHRDM FGFCK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.024 | 0.022 | 0.007 | 0.008 | t | 24844 | HSRRERAG QEEENEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.005 | t | 128093 | RNAIELRF VL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.033 | -0.03 | t | 60327 | SPVTKRAS LKIDSKK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.001 | 0.002 | t | 47533 | PFNQWPD Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.019 | t | 105861 | HDSGYEV HHQKLVFF AEDVG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.003 | t | 118060 | PPPGMRP P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.003 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.003 | t | 117383 | TLHKAFKG SIFVVFDSI ESA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.003 | t | 117246 | VTWEVLE GEVEKEAL KKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.009 | 0.011 | t | 65996 | TRAPRREE LEWDDDED H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.021 | 0.004 | 0 | t | 2158 | AKAVYQQ FYEFYEKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.018 | t | 47965 | PIQNLPG VF | Mus musculu s |
| 1 | 1.00 | 1 | 0 | -0.08 | -0.082 | -0.055 | -0.083 | -0.069 | t | 102102 | SYSMCTGK FKVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.035 | 0.021 | 0.02 | t | 31780 | KLDDKDP QFKDNVIL L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.01 | t | 38271 | LNLTTASV PMLRWYA ERFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.038 | -0.039 | -0.038 | t | 104148 | NHVSPTHY VPESDAAA RVTQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.003 | -0.007 | t | 134878 | CHWDPFS LSAYFPGG GSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.021 | -0.03 | -0.028 | t | 60730 | SRLVGATP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.009 | -0.01 | -0.01 | t | 9107 | DLGSIAA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.059 | 0.03 | 0.028 | t | 141685 | KKTEETLL EDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.023 | 0 | -0.001 | t | 149298 | ELDKWAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 134767 | QDPYVKE AENLKKYF NAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.003 | t | 133372 | SPSPTPTP GPSRRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.038 | 0.029 | 0.03 | t | 10888 | DYGGDSTT PRPRYNAT TYLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0 | -0.011 | -0.012 | t | 81131 | DLFHVNG RDTMNNI VDENKY | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.008 | t | 54752 | RLSAACN WTRGERC NLED RD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.019 | 0.023 | t | 130623 | TSDVEVNE KKERVTEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.017 | -0.02 | t | 13898 | EQPTLTFG AGVNVPA GAGAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.006 | -0.017 | -0.02 | t | 13898 | EQPTLTFG AGVNVPA GAGAA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.023 | -0.039 | -0.04 | t | 41071 | MAKVNLIK PLEDKILV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | 0.003 | 0 | t | 112835 | RTTHYGSL PQKSQHG RTQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.001 | 0 | t | 40457 | LVLRKHIH TPLDDTNP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.027 | -0.039 | -0.04 | t | 30186 | KDKKKKTD EAQPLPQR QKKQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.031 | -0.04 | -0.04 | t | 113342 | DSYFRGAP KLLYVRLS HNSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 115652 | SSRISYWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 115630 | NFDKLYIW G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.009 | -0.01 | -0.01 | t | 140053 | MEDDYNL KDMFSRA VTM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0 | t | 4027 | AQPHEPG SYTNVFDH LDWIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.032 | t | 120745 | LDYTGKIM WTPPAIFK SYCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.023 | -0.02 | t | 106070 | RGQGDGG RRKKGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.03 | 0.02 | 0.02 | t | 39070 | LREGVTLG VGASFDT QKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.032 | t | 118678 | WPLHDGG AVNRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.003 | -0.024 | -0.02 | -0.017 | t | 75571 | YQWLTRV GKYRPQD KPNT | Chinchill a lanigera |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.017 | 0.02 | t | 42413 | MQSWVPL STDDPVID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.016 | t | 140695 | KGRFTISR DNAKSTLY L | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.011 | -0.01 | t | 100611 | VKMDAEF RHD | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.035 | 0.037 | 0.042 | t | 26341 | IGVNQELA YFYPELFR QFYQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0.003 | t | 122748 | EHRMTW DPAQPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.003 | 0.01 | t | 135995 | SIQSIVPAL EIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | -0.004 | 0.003 | t | 70620 | VQNTVED LKLNTLGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.044 | 0.023 | 0.019 | t | 10131 | DSGSRTTP DELALS | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.01 | -0.01 | 0.003 | -0.01 | 0.01 | t | 57276 | SDSDKPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.02 | t | 39788 | LTAELKIYS VIQAEINK HL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.02 | t | 39788 | LTAELKIYS VIQAEINK HL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.009 | -0.03 | -0.03 | t | 54577 | RLHLNDRV V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.016 | 0.017 | t | 123562 | NSSSSQFQ IHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.013 | 0.016 | 0.017 | t | 123562 | NSSSSQFQ IHGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.001 | -0.011 | -0.01 | t | 112816 | PGKVCGS NLLSICKTA EF | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.016 | -0.02 | t | 111020 | SGIGTLDG FRHRHPDE AA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.053 | -0.067 | -0.06 | t | 133789 | CYRSPWR C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.034 | 0.03 | 0.032 | t | 34244 | KVVQLPKI SKNALRND G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.011 | 0.02 | t | 106440 | GDKLTLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 23225 | GVYLLPRR GPRLGVRA TR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.022 | t | 126918 | RDYIPRILG PEAFQQY VGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.058 | 0.04 | 0.042 | t | 60645 | SREEEE | Marmot a monax |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.003 | -0.029 | -0.03 | t | 30152 | KDGEGAP PAKKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.03 | -0.043 | -0.04 | t | 22693 | GTHSWDH PHHSYC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.011 | -0.011 | t | 78892 | YKISLTTGA LIILPEDCL PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.015 | -0.027 | -0.03 | t | 47957 | PIPTRFPPP PMPLQDS MAVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.026 | -0.019 | t | 47598 | PFWVRGT TW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.014 | -0.03 | -0.03 | t | 11370 | EDKLADYK RRMADA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.034 | 0.03 | 0.021 | 0.02 | t | 48431 | PLNSNAM LSTESMM SRIAAG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.021 | -0.002 | 0 | t | 33107 | KRAASKVS ARLLTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 151763 | WYRATHQ E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0 | t | 66833 | TTSTGPCK TCTTPAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.068 | 0.04 | 0.039 | t | 102004 | QPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.01 | t | 32716 | KPGGGW NTGGSRYP GQGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0 | -0.02 | -0.02 | t | 105164 | EFRHDSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.025 | -0.039 | -0.04 | t | 32452 | KNAAKLR GDLRQWV SAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.015 | -0.03 | -0.03 | t | 22507 | GSSGYCA WPACYCY G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.007 | 0.01 | t | 65902 | TQNISGTQ VYQDPAIV QPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.028 | t | 108200 | VSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.045 | 0.021 | 0.02 | t | 35777 | LEYTIV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.02 | -0.03 | -0.03 | t | 93007 | INNGLPPI QNTRNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.033 | 0.04 | t | 144756 | QVGTHPG LANDYEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.047 | -0.05 | t | 78253 | QGGCGRG WAFSATG AIEA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.004 | t | 24778 | HSLGKWA GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.013 | -0.012 | t | 47842 | PHLSFMAI PPKKNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.025 | -0.03 | -0.03 | t | 25807 | IEFQQKNN RLLEITREF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | -0.004 | 0.001 | t | 23875 | HFVLLVGY GSADGVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.04 | 0.017 | 0.018 | t | 59438 | SLRKNAME FVPHYTLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.036 | -0.05 | -0.048 | t | 51283 | QLAGRMI P | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.001 | t | 134547 | SRSNVLLF KEEMQRA NKD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0 | t | 9978 | DRGWGN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.008 | t | 136685 | TLFTPDKS PAKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.007 | -0.01 | -0.008 | t | 136685 | TLFTPDKS PAKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.007 | -0.01 | -0.008 | t | 136685 | TLFTPDKS PAKT | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.008 | t | 136685 | TLFTPDKS PAKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.026 | 0.017 | 0.021 | t | 55994 | RSVSKEEP GM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.022 | 0.001 | 0 | t | 128065 | NPPLVET WKKPDYE PP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.041 | -0.043 | -0.048 | t | 110902 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.041 | -0.043 | -0.048 | t | 110899 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.041 | -0.043 | -0.048 | t | 110900 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.041 | -0.043 | -0.048 | t | 110901 | IAKDLLPSR DRQHLPLI K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 135471 | KDKATFGC HDGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 135191 | NTLKTPRV GGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.021 | -0.03 | -0.029 | t | 112508 | FFKNIVTP RTPPPSQQ K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0.002 | t | 127983 | FTNFKFKIR KITNFDRV N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.013 | 0.02 | t | 112842 | SSKRGRQT PVLYAML DHSRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0.004 | t | 130817 | ESVMQSY PPHLQIPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.032 | 0.017 | 0.021 | t | 77776 | CNCKAPET ALCARRCQ QH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.015 | t | 122561 | RRFDEPRL STPALLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.003 | -0.019 | -0.02 | t | 62776 | TAADGYG AGLCANV RCDTAT | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0.001 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.019 | 0.03 | t | 62641 | SYLPQLG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.014 | -0.019 | -0.02 | t | 20462 | GITLKQAT TAPCAVM DITGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.03 | 0.01 | 0.01 | t | 41238 | MDIDPYKE FGATVELL SFLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.024 | -0.037 | -0.03 | t | 118805 | GGNGGGI GGGMGG GVGIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.006 | -0.02 | -0.02 | t | 66013 | TRDVEERV HVMRKTk | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.006 | -0.02 | -0.02 | t | 66013 | TRDVEERV HVMRKTk | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.006 | 0 | 0.012 | t | 1366 | AFNPAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.018 | t | 52689 | QVESTAGS LQGQWR G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.044 | -0.039 | t | 34965 | LASLRKAF ADTVPVRP PSNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.034 | -0.039 | -0.04 | t | 66094 | TRRVRGG DGKMKEL SPRW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.052 | 0.033 | 0.032 | t | 9679 | DPLVAEED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.045 | 0.027 | 0.03 | t | 11704 | EEIVPNSV EQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.017 | 0.02 | t | 107211 | LTTEPDTT KFWPAPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.022 | -0.037 | -0.038 | t | 78140 | EIMDLN RHV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.015 | 0 | 0.002 | t | 100349 | NPSIFYTYG AAPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.018 | t | 94738 | WAICKRIP NKKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.021 | -0.01 | t | 118257 | AKSIDLKD KYKNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.034 | -0.043 | -0.037 | t | 14000 | ERHLTFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.01 | t | 78456 | LQLISGLLN DTSSSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.039 | -0.047 | -0.05 | t | 20458 | GITGRTFIR MARPTED VGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.019 | 0.007 | 0.013 | t | 13961 | ERAGAME RAN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.02 | t | 46954 | PASTNRQS GRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.011 | -0.008 | t | 79106 | VDLPAGTK YVAFRHFQ STDM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.015 | -0.013 | -0.006 | t | 62502 | SWWNLP QIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.031 | 0.02 | 0.02 | t | 133624 | KPGEMRG AA | Mus musculu s |
| 1 | 1.00 | 1 | 0 | -0.01 | -0.01 | 0.003 | -0.01 | 0.01 | t | 51222 | QKLPYGPR FWLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | -0.003 | 0.002 | t | 38937 | LQFPQPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.014 | -0.01 | t | 135897 | APKRPGPA GELL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.021 | -0.04 | -0.041 | t | 78536 | TPLCDYAA ARVGACG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.01 | -0.007 | t | 129973 | SPRSFQKK T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.029 | t | 108198 | VQFKESNR LNSPLAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.021 | -0.023 | t | 18441 | FYNQKFKG KATL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.023 | -0.018 | t | 44571 | NKPPNKP NNDFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.032 | -0.023 | -0.02 | t | 101350 | TYYNLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.003 | 0 | t | 144101 | TMMQTM SFLRGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | 0 | t | 20216 | GIAIPHDID LGESRVVI QDY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.004 | t | 54568 | RLGVRATR K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.075 | -0.051 | -0.073 | -0.08 | t | 108616 | RRRVRNS DT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.009 | t | 78465 | MQWNST A | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.009 | t | 78465 | MQWNST A | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.047 | 0.04 | 0.047 | t | 136717 | VGTVCTRV DSEN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.01 | t | 35310 | LDTNGGT GTAIV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.01 | -0.014 | -0.01 | t | 26806 | IKIFQDHP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.036 | 0.011 | 0.011 | t | 149301 | ELEKWAS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.012 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.015 | 0.011 | 0.012 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.03 | -0.05 | -0.05 | t | 105570 | VGGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0 | t | 63758 | TFTNPVVS TTQWSAP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0 | t | 63758 | TFTNPVVS TTQWSAP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.03 | -0.041 | -0.038 | t | 136304 | GARGLTG RPGDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.016 | 0.02 | t | 142636 | EQIYRVDL RTLRYGY | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.012 | t | 127999 | GLIEVQSD YGIVWGLS LQKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.011 | -0.01 | t | 33859 | KTSERSQP RGRRQPIP KARR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.011 | -0.01 | t | 33859 | KTSERSQP RGRRQPIP KARR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.011 | -0.007 | -0.008 | t | 11189 | EASLPYGA NKEGIVW VA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.048 | -0.067 | -0.07 | t | 104056 | LSVPWVLI FMVSRRR CRRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.023 | -0.022 | t | 11472 | EDWGEDG YIWIQRNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.024 | -0.039 | -0.04 | t | 96630 | LWFHISCL TFGRETVE YLV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.022 | -0.021 | t | 99040 | VLDTDYKK YLLFCMEN SAEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.017 | -0.01 | t | 117331 | MKLVRFL MKLSHETV TIELK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.04 | -0.05 | -0.05 | t | 63231 | TDSGDGR QTITN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.019 | t | 117544 | KFRFLALKL YFSFTRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | -0.004 | -0.017 | -0.02 | t | 60473 | SQKIQLVN TNGSWH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.047 | 0.029 | 0.03 | t | 65403 | TNQEQTSL YV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.013 | -0.009 | t | 132389 | IRLPNPD DLYWFTLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.005 | -0.017 | -0.017 | t | 58207 | SGQARVLY SEFINAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.006 | -0.011 | -0.011 | t | 88988 | SQDVNGP RHVPNAE PRET | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.016 | 0.009 | 0.011 | t | 2806 | ALNYQAQ ALEEIIKYR YNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.008 | -0.007 | -0.01 | t | 65790 | TPTPVNPS TAPAPAPT PTFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.005 | -0.011 | -0.01 | t | 34137 | KVNGGNL FDVSRVTF | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.028 | -0.041 | -0.04 | t | 142471 | SAAGAKRS GRSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.019 | -0.04 | -0.042 | t | 58088 | SGILPTPQ TRPV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0.001 | t | 34645 | KYYGNGV TC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.046 | 0.027 | 0.03 | t | 27451 | IMASKTVG TAEKEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.033 | -0.031 | t | 158586 | APSHPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.01 | t | 67647 | VAKLVTQE MFQNIDK KIESQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | t | 140593 | PYQFFTAS E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.013 | -0.029 | -0.03 | t | 89991 | VGQNAT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.013 | -0.029 | -0.03 | t | 89991 | VGQNAT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.004 | -0.023 | -0.02 | t | 135939 | IPVLDENG LFAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.028 | -0.02 | -0.016 | t | 141056 | MSDGA VQ PDGGQPA VRNER | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.033 | -0.05 | -0.049 | t | 8939 | DKLYIWGV HHPSTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.007 | 0.011 | t | 14905 | EVWREEA YHAADIKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.017 | -0.011 | t | 144324 | GVSTITAD EIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.097 | t | 143676 | DRVGLRNL RGYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.023 | 0.01 | 0.011 | t | 66058 | TRLNFEDA G | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.01 | t | 48027 | PKALFTQQ GGAYGRC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.023 | -0.022 | t | 17536 | FQSRDEKE RERF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.012 | -0.021 | -0.019 | t | 149390 | NIYPHGIT DVRPLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.017 | 0.003 | 0.012 | t | 134810 | VASPERTS PAFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.04 | t | 25646 | IDPSFRLGF VPVSRG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.019 | t | 126341 | ITGHCQG DGYRVGF G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.01 | 0.012 | t | 34243 | KVVQLPKI SKNALKAN G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0.001 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.004 | 0.02 | 0.032 | t | 145747 | DPVGPSD P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.054 | -0.05 | t | 135917 | EIRRGVML AVDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.001 | -0.003 | t | 18441 | FYNQKFKG KATL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.033 | -0.053 | -0.052 | t | 11582 | EEEGAIVT VRGGLRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.014 | t | 124737 | SPWTLGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.02 | t | 60284 | SPTHYVPE S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.013 | 0.02 | t | 60284 | SPTHYVPE S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.026 | -0.039 | -0.04 | t | 67667 | VALGPQG RRYYLT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.062 | 0.057 | 0.06 | t | 130859 | GLLAQQM DY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.017 | -0.019 | t | 66835 | TTSTRTWA LPTYNNHL YKQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.017 | -0.019 | t | 66835 | TTSTRTWA LPTYNNHL YKQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.04 | -0.051 | -0.05 | t | 32465 | KNDS DGR LVAAIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.006 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.059 | t | 105030 | VPQQSIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.01 | t | 116846 | TPSYVSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.021 | 0.011 | 0.012 | t | 32811 | KPNRNGG GYASAYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0 | t | 55304 | RPQPTEL RY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0 | t | 55304 | RPQPTEL RY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | 0.001 | 0 | t | 40982 | LYVGGPM TNSKGQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.037 | -0.039 | t | 110760 | ACKDSDW PFCSD EDWDW PFC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0.007 | t | 117140 | DWEYSVW LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.02 | t | 122340 | ERVTRLEW PKNDPRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.004 | 0 | 0.002 | t | 42667 | MSSFLGK WKLSESH NFDVAVM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.01 | -0.013 | -0.01 | t | 8832 | DKAAAICF RNSMDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.01 | -0.013 | -0.01 | t | 8832 | DKAAAICF RNSMDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0 | -0.013 | -0.013 | t | 78269 | SIISQETYS QEKNNMAI NPSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.07 | -0.07 | t | 130912 | KADILPEM NSMRADRM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.039 | -0.05 | -0.048 | t | 43177 | NAINPRLT PWTYRN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.003 | -0.017 | -0.012 | t | 156967 | SWRPWSD SPQCGNPI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.026 | -0.043 | -0.04 | t | 51079 | QIICLAVL WV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.033 | -0.03 | t | 30290 | KEAFRLKN GRQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.065 | -0.073 | -0.07 | t | 9677 | DPLTSLHA MQRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | 0.007 | -0.004 | -0.02 | -0.02 | t | 113257 | ADNKAPQ GLLC | Rattus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.029 | -0.037 | -0.03 | t | 118970 | PPPGRRP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.032 | -0.033 | -0.029 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.032 | -0.033 | -0.029 | t | 65481 | TNWLAKV NTQIDLIRK KMK | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.026 | -0.03 | -0.026 | t | 67436 | TYQRTRAL V | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.017 | -0.02 | -0.017 | t | 6952 | CRTLTMGMSLGARQKI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.029 | t | 122401 | HSEAETGPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 79483 | YLGFFK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.054 | 0.04 | 0.041 | t | 11240 | ECEVVPGAEDDFVCK | Bos indicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.022 | 0.024 | 0.01 | 0.011 | t | 66736 | TTNIMEILRGDFSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.011 | 0.012 | t | 34244 | KVVQLPKISKNALRNDG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | -0.001 | 0.001 | t | 149393 | NMERDLASGLIGPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.015 | -0.009 | -0.01 | t | 45965 | NSRSTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.029 | -0.029 | t | 66051 | TRLENLMWK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.016 | 0.001 | 0.002 | t | 65486 | TNYLEQPVSNDSLNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.016 | 0.001 | 0.002 | t | 65486 | TNYLEQPVSNDSLNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.013 | -0.01 | t | 64882 | TLKQAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.01 | -0.008 | -0.01 | t | 74374 | YISPYFINTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.008 | t | 17997 | FTKVCGAPPCVIGGAGNNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.009 | 0.001 | 0.002 | t | 71189 | VSVITPGTNASSEVAVL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.031 | -0.03 | t | 142409 | DTRIAQQI WLRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0.002 | t | 97035 | VGINYWL AHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.013 | -0.008 | t | 132345 | GNGVW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.005 | -0.017 | -0.01 | t | 136079 | QVLLP | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.031 | -0.04 | -0.037 | t | 62878 | TAHPAYPP PSRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.004 | t | 46184 | NTNGSWH INR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.001 | 0 | t | 64547 | TKEGDSSN TGAGKALT GLST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.049 | 0.029 | 0.028 | t | 39092 | LRGDLQVL AQKVARTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.041 | -0.04 | -0.038 | t | 134784 | RKRSQML FRGRRASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.062 | 0.05 | 0.052 | t | 60985 | SSFEDSDS GSDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.019 | 0.01 | 0.008 | t | 120791 | LVRAALEK LEKGPESG QSPE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.017 | 0.01 | 0.019 | t | 139521 | HSSPTLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.007 | -0.021 | -0.02 | t | 50202 | QAAAAVP ATKWKAE YCGYY | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.007 | -0.021 | -0.02 | t | 50202 | QAAAAVP ATKWKAE YCGYY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.042 | -0.05 | -0.04 | t | 105988 | NNNPFKFF VPPSEQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.007 | -0.018 | -0.02 | t | 45283 | NNWPCLN ETCPTKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.02 | -0.02 | t | 57976 | SGALRFYN LKGQLVTG SGWY | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.02 | -0.02 | t | 49298 | PSAPPLPP VADLPQP GLRR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.052 | -0.063 | -0.06 | t | 110920 | KPSPWAP KKHRRLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.008 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.008 | t | 107307 | DAEFGHD SGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.012 | -0.02 | -0.019 | t | 66625 | TTGLPALIS WIKRKRQ Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.006 | t | 97771 | WYGYHHS N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.006 | t | 97771 | WYGYHHS N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.04 | t | 133632 | LRCYSHCT FYFASST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 150801 | EDDF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 150803 | KLIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 150805 | PSTQT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 125297 | VFFEEQED EIIGFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 126595 | LPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.006 | t | 126424 | KLF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.032 | -0.05 | -0.05 | t | 45719 | NRPRWVK EA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.018 | t | 4037 | AQPREPGS YTNVFDHL DWIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0 | t | 15196 | FAIPYIHPT NPFAPDVT A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.007 | -0.01 | -0.013 | t | 110955 | NQNPGSP RPGSTGT WNPSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.05 | -0.049 | t | 142483 | WRMAGQ KRTSGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.004 | 0.003 | 0.001 | t | 75031 | YLYLSRT NTPSGTTT QSRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.02 | 0.029 | t | 115207 | DISLLDAQ SAPLRVYV EELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.048 | -0.046 | -0.06 | -0.062 | t | 47108 | PDHVRTK GPGRCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.031 | -0.044 | -0.048 | t | 78139 | EGPRAG | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.023 | 0.013 | 0.011 | t | 10817 | DWLEDTLS EGIRQWW KLKPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0 | 0.02 | 0.032 | t | 134452 | NDKGRLS QDEIDRM VNDAEK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.02 | t | 77952 | LQSPTGLT NYFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.032 | -0.043 | -0.035 | t | 97924 | CHYMKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.011 | -0.031 | -0.03 | t | 13912 | EQQRYLN NFRFIELV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.009 | -0.009 | t | 10349 | DTHLGGE DFDNRLVT FFTEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | 0.001 | 0 | t | 21313 | GMMLAE QFKQKAL GLLQTAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.026 | -0.025 | -0.037 | -0.04 | t | 65086 | TLTFGAGV NVPAGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.038 | -0.06 | -0.06 | t | 101439 | YTAPHR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.042 | 0.021 | 0.019 | t | 118146 | SNLDHILE PSIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.037 | 0.04 | t | 108259 | AAFSELPL G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.03 | -0.037 | -0.029 | t | 144319 | GSADDVV DAEVVDD | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.023 | 0.019 | 0.022 | t | 67214 | TVWRNRE TLMEFEEP HATKQ | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.052 | 0.043 | 0.052 | t | 97025 | VDDALIDS TKIYSYFPS V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.014 | -0.03 | -0.032 | t | 10064 | DRVVKEM RRQLEMID KLTT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.043 | -0.039 | t | 108599 | QGDAKKG ANLFKTRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.02 | -0.018 | t | 140915 | VSAKDGYK INNKL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.001 | -0.017 | -0.018 | t | 16031 | FGPLWILQ ASLLKV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.01 | -0.023 | -0.028 | t | 128083 | QFLGVPYA APPLAERH FQAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.039 | t | 136060 | EKPKLRKD MYKKMIE VDPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.024 | -0.02 | -0.014 | t | 72754 | WLLSPRGS R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.01 | t | 131313 | SQWSRSA SRNRRHVT EEADV | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.004 | -0.023 | -0.022 | t | 15518 | FEEINGIRR P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.022 | 0.01 | 0.013 | t | 28322 | IRIPKYKND GIQNYIHN EY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.013 | t | 28322 | IRIPKYKND GIQNYIHN EY | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.013 | -0.021 | -0.02 | t | 52252 | QRRQHTD VSFIMDRF VK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.008 | 0.003 | 0.011 | t | 119677 | WVYYTCC PDTPYLDIT YHF | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.011 | -0.011 | -0.02 | -0.019 | t | 54975 | RNCKKLGP RENVA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.07 | -0.07 | -0.067 | t | 131844 | CRRSTTDC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.049 | -0.053 | -0.049 | t | 99277 | GGLRILSP DRKRRAD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.033 | -0.03 | t | 51539 | QLSGMLE WQNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.017 | 0 | 0.003 | t | 155291 | NNAYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.03 | -0.03 | t | 24923 | HTINHTFG NPVIPFKD G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.012 | -0.014 | t | 144331 | HDTSLKPIS VSYNPATA K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.033 | 0.023 | 0.022 | t | 9602 | DPASRE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.001 | -0.01 | -0.01 | t | 73744 | YEPYYHSD HAESSWV NRGES | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0.001 | -0.01 | -0.01 | t | 73744 | YEPYYHSD HAESSWV NRGES | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.024 | -0.037 | -0.038 | t | 13573 | ENPVVHFF KNIVTPRT P | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.011 | -0.041 | -0.042 | t | 34933 | LAQKVART LP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.053 | -0.07 | -0.07 | t | 30220 | KDNRIPSY GVLSVDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.037 | 0.04 | t | 108407 | GRTPEDNT L | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.019 | t | 57556 | SEMPQLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.017 | -0.03 | -0.03 | t | 136818 | ANFIIFRPV V | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.047 | 0.04 | 0.047 | t | 136717 | VGTVCTRV DSEN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.025 | -0.03 | -0.028 | t | 100319 | NASSELHL LGFGINAE NNHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.009 | 0.017 | t | 40074 | LTPANLIR GDNA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.031 | -0.04 | -0.04 | t | 80506 | ATAASVGL RHKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.001 | -0.009 | -0.01 | t | 120441 | DKVLPLVA IVSVGLA VSYD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.031 | -0.03 | t | 4853 | ASYNKSLG AAPIRTQP RWNY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.012 | -0.027 | -0.028 | t | 78275 | TELKYSWK T | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.021 | -0.018 | t | 123378 | KLGYWKLR G | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0.002 | t | 74173 | YICGDSTE CANLLLQY G | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.032 | 0.011 | 0.011 | t | 53436 | RDVSRITFF Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.097 | t | 117231 | RQIFGDYK TTICGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.01 | -0.008 | t | 22020 | GREKFTIR PHYGKEIC | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.002 | t | 121877 | SSEESGLP KLPVPPLQ QTLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.014 | -0.014 | t | 125185 | NSSSSQFQ IHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.019 | 0.011 | 0.01 | t | 387 | AAQGESST QKVRPSHT NNPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.02 | -0.021 | t | 69108 | VIRYRYSN NYEANDHI S | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.009 | t | 104929 | PGTRLQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | -0.007 | 0.001 | t | 115634 | PQKAQRP QDEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.014 | 0.007 | -0.007 | 0.001 | t | 115634 | PQKAQRP QDEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.03 | -0.023 | -0.02 | t | 143850 | DLTIMPW SLYPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.02 | -0.02 | t | 100671 | YVALQGS MFDRVRV FWMARG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.031 | 0.02 | 0.02 | t | 133624 | KPGEMRG AA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.013 | -0.02 | -0.02 | t | 8004 | DEHLMCDI EGTGQH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.001 | -0.011 | -0.01 | t | 77955 | MCSPTALR CQAH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.01 | t | 30794 | KFNKKMH EHSEHFKH KFAEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.003 | -0.01 | 0 | t | 98844 | KESHFVSA RP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.097 | t | 143678 | DRVNLRNL RGYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.038 | 0.011 | 0.01 | t | 53346 | RDGAAAY TLT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.021 | -0.036 | -0.04 | t | 70527 | VQAPNYT QHTSSMR GVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0.006 | 0.009 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.008 | t | 751 | ADPVTTEG DYVVKISEF YGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.021 | 0.003 | 0.002 | t | 95673 | PNLRGDL Q | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.01 | t | 1470 | AGDLESSV DDPRSEED KRFE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0.003 | 0 | t | 55769 | RRVVRHEP LGRSFLTG GLVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.018 | t | 7971 | DEENRKRI EARNLEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.084 | -0.08 | -0.087 | -0.078 | t | 128193 | AAKPKTAK PKAAKPKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.016 | t | 133622 | KPGDPSAL HVVRCWI C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.02 | -0.018 | t | 53858 | RGERCdle DRDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.008 | -0.029 | -0.03 | t | 62773 | TAACRAAK LQDCTM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.02 | -0.018 | t | 13481 | ENHSPVNI AHKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.013 | -0.014 | t | 23180 | GVTAPDT RPAPGSTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.02 | 0.011 | 0.012 | t | 56366 | RVNAANK KPEDLTN DLETD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.02 | 0.011 | 0.012 | t | 56366 | RVNAANK KPEDLTN DLETD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.055 | -0.06 | -0.06 | t | 13103 | ELISSCLV WSARGCL FGGGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.018 | -0.027 | -0.02 | t | 107201 | LIVPEGAR TSLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.01 | t | 9582 | DNYWSFS DSTYWTLR YSSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.037 | 0.019 | 0.022 | t | 58052 | SGGNTNQ QR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.037 | 0.019 | 0.022 | t | 58052 | SGGNTNQ QR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.009 | -0.013 | -0.005 | t | 48846 | PPNSGGV NTIQLYQT KTAQ | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.021 | -0.03 | -0.03 | t | 15315 | FCAKSPRY TLDSVNGY PKIY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.025 | 0.013 | 0.011 | 0.01 | t | 8688 | DIKVQFQS GGNNSPA VYLLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.11 | -0.11 | -0.117 | -0.111 | t | 133686 | RTLDSHWI RVGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.01 | 0.017 | 0.019 | t | 138231 | RDGQRLTS SKTMLPY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.012 | -0.009 | -0.01 | t | 98229 | LPSLAGW WSSASDW F | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.021 | 0.01 | 0.01 | t | 112472 | DEGGYTCF FRDHSYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.021 | 0.01 | 0.01 | t | 112472 | DEGGYTCF FRDHSYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.038 | 0.047 | 0.06 | t | 78561 | VWAQSSS FPQFKPQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.018 | 0 | 0 | t | 7782 | DDGKGDR SHKNEDES ALASK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.038 | t | 136551 | PIQRKRRQ MPLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0 | 0.001 | t | 112315 | SHGRTQD ENPVVHFF KNIVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.042 | t | 105570 | VGGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.033 | 0.013 | 0.012 | t | 32809 | KPNNDFH FEVFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.007 | -0.003 | t | 131876 | FAKANKQ VCTDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.029 | t | 108086 | QTRGFPSC ERGYLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.02 | t | 79050 | QKSKPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.03 | -0.029 | t | 34847 | LALFLAA HASARQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.009 | t | 94832 | GLFGNNE NQTKV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.02 | -0.03 | -0.03 | t | 41979 | MLKRNKIY FMQRQD | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.017 | t | 102187 | VKEIAETQ HG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.02 | t | 104233 | SAVPSPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.021 | 0.023 | 0.03 | t | 78163 | GERLFT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.014 | 0.01 | t | 34942 | LARGSPPS LASSSASQ LSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.003 | t | 122889 | RLDASFQE HPDLPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.023 | t | 120769 | LLVDVEPK VKSKKRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.033 | -0.06 | -0.062 | t | 34192 | KVRNWRE SM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.011 | -0.043 | -0.042 | t | 58258 | SGTIAGKK F | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.006 | -0.011 | -0.011 | t | 88987 | SQDINGN RHVPNAE PRET | Aotus |
| 1 | 1.00 | 1 | 1 | -0.13 | -0.128 | -0.12 | -0.127 | -0.128 | t | 144823 | YWEGSGI GAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.056 | 0.067 | 0.063 | 0.07 | t | 149134 | YTHNETE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.02 | t | 111970 | YNQNLIRH VGGGTPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.013 | -0.031 | -0.028 | t | 12115 | EGAARQP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.006 | t | 122083 | DPNIKLVL DDCWATS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | 0.002 | -0.019 | -0.02 | t | 73975 | YGAGVAG ALVAFKIM SGEVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.014 | -0.02 | -0.02 | t | 19720 | GGEQPPS APNGTAT G | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.033 | -0.03 | t | 12412 | EIDAPRVF DARFSRHY SVQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.033 | -0.03 | t | 12412 | EIDAPRVF DARFSRHY SVQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 121153 | ARRRAEP ML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0.001 | t | 21867 | GQGGGTH NQWNKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | -0.007 | t | 116035 | YGSLPQKS GHRTQD | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.005 | -0.007 | -0.007 | t | 116035 | YGSLPQKS GHRTQD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.017 | t | 107376 | GDRSGYSS PGSPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.007 | -0.01 | -0.009 | t | 46886 | PAPNIASHI SSISARTG DP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.013 | -0.01 | t | 143932 | HNIWSAP RLIFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.032 | 0.035 | t | 138192 | HQTPLST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.007 | -0.02 | -0.018 | t | 30560 | KEPGGEVV DVEKRG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | 0.003 | 0.007 | t | 115623 | KTTICGKG LSATVT | Mus musculu s |
| 1 | 1.00 | 1 | 0 | -0.03 | -0.026 | 0.005 | -0.03 | -0.02 | t | 68870 | VHMIKPP WVGRLLSS G | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.034 | -0.039 | -0.038 | t | 78618 | DCLPTTLF QPARAPV TLTAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.027 | t | 130476 | EDSDARIL AAAVWYY SL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.027 | t | 130475 | EDSDARIL AAAVWYY SL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.026 | 0.01 | 0.01 | t | 57569 | SENHGNY SAQVGAS Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.008 | -0.007 | -0.012 | t | 59210 | SLKAVNPS DPLVYKRQ TAKF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | 0.001 | 0.001 | t | 48870 | PPPPSSPT HDPDSD PQIPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.009 | -0.02 | -0.02 | t | 13747 | EPRSGIDT NAYVMT VGTKT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.057 | -0.05 | -0.046 | t | 133527 | AYIGLKDR KRPELRRI AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.029 | t | 132839 | HSISLGATP TLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.007 | t | 125370 | CDDPRFQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.028 | 0.009 | 0.01 | t | 36579 | LIKNQCVN FNFNGLTG T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.01 | -0.008 | -0.01 | t | 12393 | EIAQVATIS A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.033 | -0.028 | t | 42980 | MVPKQGP L | Homo sapiens |

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|---|------|---|---|---|--------|---|---|-------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 106487 | GTSTEVWL APDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 106363 | DVYWLMP DPPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 98216 | LKPIRKKV GIVFQFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 98255 | MRRVAIA GVLAMRP E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 106515 | HLPSFLRP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 106535 | IFPSFLRPD PPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.007 | t | 62440 | SWFDNFL YPTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 67164 | TVSRVPW TAWAFHG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 90720 | YEVEKPLE PAPVAPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 45005 | NMMNYI MDPRTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 45006 | NMMRFTE LSTPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 45004 | NMMKYIS PPIFL | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.007 | t | 33531 | KSTQRSTR RNLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 563 | ACHPLFDA RCGGKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.007 | t | 2193 | AKGHS�PR LVTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0 | t | 68846 | VHFFKNIV TPRTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.02 | t | 120412 | ASKEKQEN KIFADDIDI SD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.005 | -0.01 | -0.01 | t | 98060 | GFMVPPG LSSEGLT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.063 | -0.053 | -0.07 | -0.073 | t | 111042 | TIHAHPGS RRGGRHG YHH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.005 | -0.017 | -0.02 | t | 52026 | QQFIYAGS LSALLDPS QGMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.023 | -0.021 | t | 107831 | EVLNRP DKTKAIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 133378 | SRKPEAPR RRSPSP | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.07 | -0.07 | -0.043 | -0.076 | -0.061 | t | 101459 | AACNCLK QLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.01 | -0.008 | t | 114236 | VGWYRSP FSR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.047 | 0.033 | 0.041 | t | 115594 | AQRPQDE N | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.047 | 0.033 | 0.041 | t | 115594 | AQRPQDE N | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.02 | t | 95322 | DPLPSGYQ FNPEATKA ASPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.024 | 0.031 | 0.034 | t | 76584 | YYQSGLSI VMPVGG QSSFYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.027 | -0.028 | t | 4853 | ASYNKSLG AAPIRTQP RWNY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.03 | -0.032 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.015 | -0.01 | -0.012 | t | 133668 | QEGPEYW DRNT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.007 | -0.007 | 0.002 | t | 134809 | VASPERPS PAFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.024 | -0.04 | -0.038 | t | 65485 | TNYISRLRT WLSTP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.008 | -0.006 | -0.02 | -0.021 | t | 20063 | GGVAGLF KMGSQQK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.029 | 0.009 | 0.01 | t | 97015 | TVHTQQN Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.013 | 0.011 | t | 51499 | QLQLTEAQ AANGGAS GQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.005 | t | 47045 | PCSICSNN PTCWAICK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.007 | -0.011 | -0.01 | t | 73787 | YEVARNVSG IYHVTNDC SNS | MD |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.026 | -0.03 | t | 75863 | YSPSRFSY FYPFRL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | -0.008 | t | 122135 | LDSRRSYR VRESGLNG VVKH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.006 | -0.013 | -0.018 | t | 128039 | KTPKKAKK PKTPKKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.004 | 0.006 | -0.013 | -0.01 | t | 33892 | KTTTKPTK KPTF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.014 | -0.01 | -0.01 | t | 45557 | NQGDRL CSH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.001 | -0.017 | -0.02 | t | 22195 | GRRRYAH PSVRYVCL PPERD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.03 | t | 96370 | IAAQKPKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.05 | 0.03 | 0.032 | t | 6979 | CSDTIDAG KD | MD |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.076 | -0.078 | t | 117667 | VAGRGRG RGRGRGR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.05 | 0.059 | t | 115206 | DIGSESTE DQAMEDI KQMEA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.039 | -0.053 | -0.06 | t | 58193 | SGPRHRD GVRRPQK RPSCIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.013 | 0.003 | 0.002 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.01 | t | 108272 | ALARLMP GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.047 | 0.059 | 0.05 | 0.052 | t | 132764 | YQNSMDT QLGDN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.037 | 0.009 | 0.009 | t | 55036 | RNNHPQN TSDSQKEA TD | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.09 | -0.086 | -0.074 | -0.093 | -0.092 | t | 105502 | RPNATYSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.086 | -0.074 | -0.093 | -0.092 | t | 105502 | RPNATYSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.086 | -0.074 | -0.093 | -0.092 | t | 105502 | RPNATYSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.007 | -0.003 | t | 32202 | KLTPPHSAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.022 | -0.009 | -0.03 | -0.032 | t | 27720 | INPSPFAQTR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.003 | -0.021 | -0.019 | t | 119596 | IHIPSEKIWRPDLVLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.003 | -0.021 | -0.019 | t | 119596 | IHIPSEKIWRPDLVLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.039 | t | 133580 | GFLSSCNFRFCELV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.023 | -0.018 | t | 150852 | HIGGLSILDPFAVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.038 | 0.019 | 0.02 | t | 99824 | ITQSTQSFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.034 | 0.058 | 0.04 | 0.041 | t | 92586 | ENPSQFYERL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | 0 | t | 20548 | GKEKVNELSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.093 | -0.085 | -0.097 | -0.091 | t | 120166 | RCCRPRYRPRCRRH | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.067 | -0.053 | -0.039 | t | 20683 | GKSMANT WPYFGYY MGGNML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.035 | -0.04 | -0.038 | t | 100086 | GTGNLELV AVRKEQQ QRGRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.004 | -0.02 | -0.02 | t | 30513 | KELRQRAF TS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.03 | -0.03 | t | 100400 | PVNTPGQ FEDFFPAS SRDQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.017 | 0.02 | t | 105019 | VGERGSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.017 | 0.02 | t | 105019 | VGERGSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.051 | -0.064 | -0.06 | t | 135989 | RVLAPHLT RAYA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.008 | 0 | 0 | t | 8388 | DGGGGHS HDSGHGG GD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.025 | -0.017 | -0.011 | t | 106656 | MPGERGA AGIAGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.011 | -0.008 | t | 40104 | LTPKELD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.042 | 0.03 | 0.03 | t | 63543 | TESTVSSAL AELATKTF GS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.007 | -0.008 | t | 114865 | IVERETRG QSENPLW HALRR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.01 | t | 133877 | LEAKICHQI EYYFGDFN L | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.006 | -0.017 | -0.019 | t | 75954 | YTASTRGD LAHLTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.053 | 0.04 | 0.051 | t | 98688 | AKSSPYQK KTENPCA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.03 | -0.05 | -0.05 | t | 157189 | EFRHDSGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.054 | -0.05 | t | 135983 | RLRPPEPR PRDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.029 | 0.02 | 0.02 | t | 113302 | CDDDDDN DGVPSR DNCRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.029 | 0.02 | 0.02 | t | 113302 | CDDDDDN DGVPSR DNCRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.012 | t | 142806 | KATALTYD PYVNYSS | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.019 | -0.01 | -0.009 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.02 | t | 66337 | TSNFRVVP SGDVVRFP N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.048 | -0.039 | -0.03 | t | 12531 | EINHVQD HALPKENI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.021 | -0.04 | -0.04 | t | 116695 | DRRDPYSP SPYDRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.001 | -0.02 | -0.019 | t | 101311 | TPLDRGT WLFTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.027 | 0.031 | t | 107080 | AGPDCSSL PNSMRCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.029 | -0.022 | t | 130716 | AAIRGPGV LAGGRSA GAR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.033 | t | 132856 | LEDGRTLSDYNIQKES | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.036 | 0.055 | 0.046 | 0.05 | t | 55765 | RRVNAANKKPEDLTNDLET | Aotus griseimembra |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.012 | 0 | 0.003 | t | 4225 | ARQPYGFFLETEEVYQPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | -0.003 | 0.01 | t | 78505 | RLGDYLIDQGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.029 | -0.03 | t | 42929 | MVDRGWGNGCGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.012 | -0.02 | -0.02 | t | 21869 | GQGGSHSQWNKPSKPKTNMK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.021 | 0.023 | 0.03 | t | 78163 | GERLFT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | -0.001 | t | 144809 | VLAPGGTHSRGLLEMM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0 | -0.011 | -0.011 | t | 81130 | DLFHVNGRDTMNIIVDENKY | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.003 | -0.007 | -0.008 | t | 33531 | KSTQRSTRRNLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.007 | 0.01 | t | 41359 | MEESTYQTMPPRRGME | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.008 | -0.03 | -0.03 | t | 10495 | DTTIMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 105207 | GAIIGLMVGGVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 99922 | DAEFRHDSGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 75441 | YPYDVDPDYA | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 4397 | ASFEAQQ ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 4397 | ASFEAQQ ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.027 | -0.029 | t | 74061 | YGNEGCG WAGWLLS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0 | 0 | t | 100400 | PVNTPGQ FEDFFPAS SRDQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.024 | -0.029 | -0.03 | t | 32387 | KMQQGN GRRGIRVV PS | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.039 | t | 107887 | HKTTTSPD YTAVGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.03 | 0.016 | 0.012 | t | 117390 | TTESKLRR FEVYGPIK RI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.021 | -0.034 | -0.03 | t | 135984 | RPGGCSA VSAHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.007 | -0.01 | -0.01 | t | 66304 | TSLNDRQ GNATK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.009 | -0.027 | -0.031 | t | 153850 | LIRCINCQK PLCPEEKQ RHL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.015 | 0.01 | 0.012 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.012 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.012 | t | 64662 | TKRNTNRR PQDVKFP GGGQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.02 | t | 6362 | CGVVVLQ C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0 | t | 105340 | MPRCRHG Y | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.017 | 0.013 | 0.02 | t | 149130 | YALHSTP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.031 | -0.03 | t | 53173 | RANPNPYT SRRSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.05 | 0.047 | 0.042 | 0.045 | t | 136561 | PTDNDHT FDALQ | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.023 | -0.043 | -0.042 | t | 49795 | PTTRTDDK LR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.027 | 0.01 | 0.01 | t | 17388 | FPRPGGG GNGDFEEI PEEYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0 | t | 74416 | YIWPRND YDGFLANA HEHHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.079 | 0.06 | 0.06 | t | 66072 | TRNTGQP ATDHYYSN V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.035 | 0.02 | 0.02 | t | 7840 | DDPAKAA FDSLQASA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.027 | 0.038 | 0.017 | 0.02 | t | 971 | AEHVDTSY ECDIPIGA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.015 | -0.04 | -0.04 | t | 1402 | AFSVAAPV TVTR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.015 | -0.04 | -0.04 | t | 1402 | AFSVAAPV TVTR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | 0 | 0.001 | t | 75223 | YNSTLDPLI TALLNSFD TR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.015 | -0.02 | -0.018 | t | 55824 | RSELSPLLL STTEWQIL PCS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.003 | 0 | t | 4482 | ASILCKCYT TGTIIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.025 | 0.009 | 0.01 | t | 96888 | SKVLHLEG EVNKIKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.018 | t | 117972 | LAVTKYKQ RNGWSHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.014 | -0.014 | t | 10432 | DTNLASSTI IKEGIDKTV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.09 | 0.09 | 0.108 | 0.09 | 0.093 | t | 114234 | TQDENP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.008 | -0.03 | -0.03 | t | 18753 | GARSLTPC TCGSSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.008 | t | 64815 | TLGGDPKF RSLTHEDH AIQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.051 | 0.047 | 0.051 | t | 108376 | GASGDIAK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.048 | t | 63808 | TGDPKPKK NKKPKNPT PPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.013 | -0.003 | 0.002 | t | 47537 | PFPEVFGK EK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.017 | 0.03 | t | 101962 | PEPVQEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.014 | -0.04 | -0.041 | t | 59892 | SNRDFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.014 | -0.04 | -0.041 | t | 59892 | SNRDFV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.015 | -0.003 | 0 | t | 20770 | GLARTTAD RQTACNC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0.021 | 0 | 0 | t | 24080 | HIPAYATH V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.037 | 0.04 | t | 108036 | MSVPQTT YSKITELI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.001 | 0 | t | 17466 | FQDLSDNP CKVDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.007 | 0.02 | t | 79567 | HSYTLMF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.033 | -0.051 | -0.049 | t | 8939 | DKLYIWGV HHPSTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.042 | -0.05 | -0.049 | t | 96846 | RVFPRGTV ENP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.037 | 0.021 | 0.02 | t | 104148 | NHVSPTHY VPESDAAA RVTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0 | t | 67647 | VAKLVTQE MFQNI DK KIESQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.024 | -0.021 | t | 108125 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.045 | 0.041 | 0.046 | t | 51281 | QLAEQFK QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.003 | -0.02 | -0.018 | t | 4224 | ARQPDLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0.001 | t | 117140 | DWEYSVW LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.048 | 0.02 | 0.02 | t | 127619 | DEYKRFM NYWTASN E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.008 | t | 751 | ADPVTTEG DYVVKISEF YGR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.004 | 0.009 | t | 104928 | PGSRLQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.041 | -0.049 | -0.048 | t | 41575 | MGGAAG GMPGGM PGMSGMS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.041 | -0.049 | -0.048 | t | 41575 | MGGAAG GMPGGM PGMSGMS G | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.037 | -0.041 | -0.04 | t | 21541 | GNVQAAK DGGNTAA GR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.003 | -0.021 | -0.02 | t | 96103 | APPLLPHS NLDHI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 0 | -0.04 | -0.036 | -0.011 | -0.04 | -0.027 | t | 48906 | PPRRVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.019 | -0.039 | -0.038 | t | 62990 | TASGLVS MFS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.043 | 0.02 | 0.02 | t | 12069 | EFSDCSKD YYQM | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.013 | 0.02 | t | 29171 | ITYNESHSS DQRPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.008 | -0.031 | -0.033 | t | 33 | AAAGAVV GGLGGYM LG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.004 | 0.02 | 0.032 | t | 145747 | DPVGPSP P | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.029 | t | 136393 | IPSRKRRN RIQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.009 | -0.02 | -0.019 | t | 92900 | HEALREPR KLERTISK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.02 | t | 107303 | AWKYENG NDKHYAD SVNG | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.021 | 0.023 | 0.03 | t | 78161 | GDDRLF | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 33548 | KSVIIGCTG GSPEKHHHC | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.017 | -0.01 | t | 144599 | CNGTHPSL RLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.013 | 0.023 | t | 134704 | KFFNSNKK KRDDFEKL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.008 | -0.01 | t | 11420 | EDPVLAKK VPETFPEL KPGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.058 | t | 125248 | RVPPRYHA KISPMVN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.037 | 0.01 | 0.009 | t | 42264 | MPDHALR PQYSI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.004 | -0.007 | -0.007 | t | 75954 | YTASTRGD LAHLTAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.023 | t | 145704 | AEGLT TTWKDYD HNLQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.023 | 0.01 | 0.01 | t | 47134 | PDKQDYQI RMAKSS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.013 | 0.015 | t | 23466 | GYSLFQM EMKTLNE GTSGTA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.071 | 0.05 | 0.05 | t | 8916 | DKKTEETT LLEDRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.02 | t | 18753 | GARSLTPC TCGSSD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.01 | t | 11603 | EEERTFTEL PYEARYKA WKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.06 | 0.039 | 0.042 | t | 139322 | TPQGRPD AE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.017 | -0.018 | t | 114810 | ENPVVHFF RNIVTART P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.008 | -0.01 | -0.013 | t | 7932 | DEDEYEYD EEDRRRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.062 | 0.041 | 0.042 | t | 7528 | DAHFLSQT KQSGENLP YLVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.008 | -0.03 | -0.03 | t | 12814 | EKMALY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.065 | -0.07 | -0.07 | t | 69871 | VLYHKPLA GVYRALKK QLG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.023 | 0 | 0 | t | 105340 | MPRCRHG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.031 | -0.026 | t | 67436 | TYQRTRAL V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.023 | 0.007 | 0.012 | t | 47537 | PFPEVFGK EK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0 | t | 113994 | VIISINGQS VVSANDV SDVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0 | t | 113994 | VIISINGQS VVSANDV SDVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.04 | -0.051 | -0.047 | t | 103739 | WTLAVFD HKAQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.025 | 0.011 | 0.01 | t | 27730 | INQRTVVA PDKEVLYE AFDE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.042 | -0.05 | -0.049 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.01 | 0.012 | t | 34244 | KVVQLPKI SKNALRND G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.001 | -0.003 | 0.01 | t | 79608 | LRPDSIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.015 | -0.033 | -0.03 | t | 29861 | KALKALPM HI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.015 | -0.033 | -0.03 | t | 29861 | KALKALPM HI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.056 | 0.037 | 0.041 | t | 20667 | GKQPASD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.029 | t | 66051 | TRLENLM WK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.01 | -0.011 | -0.012 | t | 96385 | IFDNFLITN D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.013 | 0.001 | t | 113204 | VDAAFKV AAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.025 | t | 122555 | RITNRDPRI SSGSLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.017 | 0.017 | t | 135471 | KDKATFGC HDGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.041 | -0.06 | -0.06 | t | 18515 | GAALQIPF AMQMAY RFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | 0 | t | 73873 | YFNPAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.039 | -0.04 | -0.037 | t | 4531 | ASLKMA D PNRFRGK D | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.016 | 0.02 | t | 51967 | QPSKPTTK QRQN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.028 | 0.03 | 0.04 | t | 77934 | KSDYDSPT QTFAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.019 | -0.041 | -0.039 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.019 | -0.041 | -0.039 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.019 | -0.041 | -0.039 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.019 | -0.041 | -0.039 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.019 | -0.041 | -0.039 | t | 119551 | AIFKSYCEII VTHFPFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0.002 | t | 71189 | VSVITPGT NASSEVAV L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 106440 | GDKLTLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.022 | -0.027 | -0.018 | t | 120650 | ITVVVINT HHRSPSTH TM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.03 | -0.03 | t | 141104 | VVHVETH RCNISWEI S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.039 | t | 153864 | PDRAHYNI VTFCKCD STLR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.041 | -0.06 | -0.06 | t | 38009 | LMDPVFG FDRRVPFV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.005 | -0.021 | -0.02 | t | 16296 | FISEAIIHVL HSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.017 | -0.031 | -0.03 | t | 45643 | NQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.018 | t | 118678 | WPLHDGG AVNRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.012 | t | 127999 | GLIEVQSD YGIVWGLS LQKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.019 | -0.042 | -0.04 | t | 5057 | ATMILAYA MRVPEVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.018 | t | 79212 | FDWLWL WDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.016 | 0.037 | 0.023 | 0.031 | t | 115594 | AQRPQDE N | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.037 | 0.023 | 0.031 | t | 115594 | AQRPQDE N | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.012 | t | 144738 | NVGEACH SLHEC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.021 | -0.031 | -0.03 | t | 58273 | SGTVQSA HLIIRFDE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.033 | -0.05 | -0.05 | t | 69308 | VKRGLTVA VAGAAILV AGLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.052 | -0.063 | -0.06 | t | 110920 | KPSPWAP KKHRRLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0.002 | t | 110812 | DPVGPLDP SIVSLVEES SFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.009 | -0.01 | t | 51456 | QLNRALSG IAAEQDRN T | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0 | -0.02 | -0.018 | t | 48966 | PQAMQW NSTAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0 | -0.021 | -0.02 | t | 105164 | EFRHDSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.016 | 0 | 0 | t | 45489 | NPTGPASV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.016 | 0 | 0 | t | 45489 | NPTGPASV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.016 | 0 | 0 | t | 45489 | NPTGPASV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.016 | 0 | 0 | t | 45489 | NPTGPASV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.019 | -0.013 | -0.03 | -0.029 | t | 52546 | QTIHAHP VKMR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.02 | t | 154400 | DPVGPSD PSIVSLVEE TSFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.015 | -0.023 | -0.02 | t | 125667 | AFRFGHAT IHPLVRR DAS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.009 | 0 | 0.002 | t | 100545 | TAVETGAT NPLAPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.017 | -0.006 | t | 115652 | SSRISIYWT IVKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.055 | -0.06 | -0.06 | t | 120415 | AVAGRGR GRGRGRG R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.029 | 0.004 | 0.008 | t | 96114 | ASFAEAPF SN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.007 | 0 | t | 106988 | VTSVSAVA SGHYLHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.049 | 0.04 | 0.043 | t | 115650 | SQGHRSD DEN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.026 | 0.049 | 0.04 | 0.043 | t | 115650 | SQGHRSD DEN | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.004 | -0.01 | -0.009 | t | 97288 | ETQLTTAG LRLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.023 | -0.018 | t | 20469 | GIVAHQR GNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.049 | 0.041 | 0.04 | t | 1523 | AGGGQG QNNEGAN APNEDSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.012 | -0.023 | -0.02 | t | 110817 | DSTLRLCV QSTHVDIR TLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.021 | 0 | 0 | t | 100247 | LDKRND PFHLP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.012 | 0.02 | t | 23717 | HELRSQIIS TTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.054 | -0.073 | -0.07 | t | 12220 | EGLRMM MRMMQ QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.005 | -0.02 | -0.02 | t | 98605 | VTPLSEPIF VSAPRH | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.005 | -0.02 | -0.02 | t | 98605 | VTPLSEPIF VSAPRH | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.034 | -0.043 | -0.038 | t | 94573 | KRIPNKKP GKKT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.025 | t | 94511 | FEVFNFPV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.032 | 0.021 | 0.02 | t | 10584 | DVESYSSM PPLEGEPG DPDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.049 | 0.052 | t | 130850 | GGIYQDLV S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.01 | 0.003 | 0.003 | t | 52424 | QSRNWLP GPCYRQQ RVSKTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.047 | -0.06 | -0.059 | t | 97359 | GPGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.02 | t | 104130 | MPLQRTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 119601 | KGNNVHG FQKQIIRSF Y | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.048 | t | 150976 | DVLCRPV GAESRRRP VSGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.039 | t | 25647 | IDPSFYWA PCRFSHC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.002 | -0.007 | -0.01 | t | 69935 | VMDECVF SSISVLFCN HMLH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.02 | t | 69593 | VLLFLLAD ARVCSC WMML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.034 | 0.017 | 0.02 | t | 68322 | VEQKHIQK EDVPSERY LGYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.039 | -0.047 | -0.048 | t | 43387 | NCRPRLEL MPCV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.085 | 0.06 | 0.062 | t | 117327 | LQWSASFT TS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.013 | -0.02 | -0.019 | t | 139695 | AVQKRVK EVGTPKPA FML | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.029 | t | 139305 | TAAQITQR KWEAARE AEQRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.02 | 0 | 0 | t | 15358 | FDAASFV MRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.027 | -0.03 | t | 118800 | GCKGTHG GTGAGAG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.025 | 0 | 0 | t | 141761 | TAPPLLPH SNLD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.025 | 0 | 0 | t | 141761 | TAPPLLPH SNLD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.007 | -0.008 | t | 49366 | PSFPTQRT SKTLKVLTP PTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.025 | 0.003 | 0.009 | t | 108357 | EVVPHKK MHKDFLE KIGGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.034 | -0.049 | -0.05 | t | 29744 | KAAASKVK ANLLSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.015 | -0.011 | -0.01 | t | 35628 | LENLMWK QI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.024 | -0.041 | -0.041 | t | 78884 | VVCMYLY QLSPPIW PLLPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.016 | -0.03 | -0.03 | t | 120391 | AARYKYFP EVKTKGM A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.003 | -0.009 | -0.011 | t | 9677 | DPLTSLHA MQRR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.028 | 0.023 | 0.031 | t | 119599 | KAEEYILKK PRSELMFE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.027 | -0.028 | t | 74061 | YGNCGCG WAGWLLS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.011 | 0.021 | t | 19958 | GGPIPTIPR PTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.027 | 0.03 | 0.04 | t | 79005 | KQSPYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.03 | -0.032 | t | 95196 | AAGLIMTA EPKTIVLKA G | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.006 | -0.02 | -0.022 | t | 60831 | SRVPHLD NPVELVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.001 | 0.002 | t | 1164 | AESLRAVIP PTTTP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.008 | -0.01 | -0.01 | t | 55487 | RQSTPIGL GQALYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.019 | -0.02 | -0.016 | t | 21406 | GNDWEDR YYRENMY RYPNQV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.1 | 0.1 | 0.113 | 0.1 | 0.104 | t | 1157 | AESEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.036 | -0.029 | t | 31885 | KLKFGAA RV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.093 | -0.085 | -0.097 | -0.091 | t | 120166 | RCCRPRYR PRCRRH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.013 | 0.02 | t | 112289 | RHRDTGIL DSIGRFFG GDRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.033 | -0.03 | t | 107256 | TSPHRPSA IGVLPPL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.017 | -0.018 | t | 115057 | GLSLSRFS WGAEGQR PGFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.06 | 0.04 | 0.042 | t | 139322 | TPQGRPD AE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.011 | -0.007 | -0.01 | t | 18578 | GAGAAILT PTPVNPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.008 | -0.023 | -0.02 | t | 32096 | KLQACEHP IGEWCMM | Bos indicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.004 | -0.02 | -0.019 | t | 71421 | VTMRPTSL AQRNEMF F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.004 | -0.02 | -0.019 | t | 71421 | VTMRPTSL AQRNEMF F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.004 | -0.02 | -0.019 | t | 71421 | VTMRPTSL AQRNEMF F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.003 | -0.009 | -0.008 | t | 39998 | LTKSGSTY PVLNVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.04 | 0.021 | 0.02 | t | 7833 | DDNGDRP PEPAAQG ESSTQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.04 | 0.021 | 0.02 | t | 7833 | DDNGDRP PEPAAQG ESSTQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0 | -0.02 | -0.02 | t | 105232 | GSNKGAI GLM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.01 | t | 47294 | PEGRTWA QPGYPWP LYGNEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.013 | 0.015 | t | 23465 | GYSLFQKE MKTLNEG TSGTA | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.053 | -0.067 | -0.06 | t | 133788 | CRTSPWR C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.009 | -0.008 | t | 45603 | NQPGVHI QVFEGERA MTKDC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.006 | -0.017 | -0.019 | t | 75954 | YTASTRGD LAHLTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.001 | t | 119560 | DLVLYNNA DGDFAIVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.02 | -0.018 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.02 | -0.018 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.02 | -0.018 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.021 | -0.021 | t | 69108 | VIRYRYSN NYEANDHI S | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.025 | 0.056 | 0.029 | 0.03 | t | 47233 | PEADTDPL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.056 | 0.029 | 0.03 | t | 47233 | PEADTDPL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.04 | 0.05 | t | 66391 | TSQPHT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.018 | -0.039 | -0.04 | t | 18753 | GARSLTPC TCGSSD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.02 | t | 141581 | YVYRWVE AECVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.012 | t | 118127 | SDDDMGF GLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.027 | 0.01 | 0.011 | t | 88988 | SQDVNGP RHVPNAE PRET | Aotus |
| 1 | 1.00 | 1 | 1 | 0 | 0.011 | 0.007 | 0.001 | 0.006 | t | 136317 | GGYVAGFL PDPT | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.007 | -0.01 | t | 53178 | RAPRTGRR LMALTEDT SSDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.023 | -0.02 | t | 143850 | DLTIMPW SLYPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.006 | 0.01 | t | 15990 | FGGVSDE DVPSFHFK PPSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0 | t | 96088 | ALESPEHC SPHHTALR QAIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.007 | t | 61833 | STPPVPPP SVSRRKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.007 | t | 25806 | IEFQQKNN RLLEITRE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.021 | 0.003 | -0.001 | t | 153885 | SEEEDEID GPAGQAE PDRAH | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.002 | t | 117968 | KVTWLVS WTENIQG SIKYIM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.017 | -0.02 | t | 53269 | RCESALHV WVPPLLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.021 | -0.037 | -0.04 | t | 70527 | VQAPNYT QHTSSMR GVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.039 | -0.05 | -0.05 | t | 141955 | LTYLRGIST KVTVGNIIV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | -0.007 | -0.002 | t | 141786 | YGEESRR GDLAALAR RV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | 0.001 | -0.02 | -0.02 | t | 93665 | RANVVNLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.002 | -0.02 | -0.019 | t | 133642 | MCPEMSF VAVHSCA R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.018 | -0.039 | -0.04 | t | 98343 | PPPPRVQ PRKTKSV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.051 | -0.06 | -0.06 | t | 113342 | DSYFRGAP KLLYVRLS HNSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.021 | t | 78021 | SVLFDKNR GQEI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.03 | -0.04 | -0.04 | t | 914 | AEGCVGR VCDSRAM AVM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.008 | t | 133580 | GFLSSCNF RFCELVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.063 | -0.07 | -0.068 | t | 108551 | NDSLNTGF LAFLFYTKK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.045 | 0.017 | 0.021 | t | 45279 | NNVDQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.007 | 0 | -0.002 | t | 75372 | YPNQVYYR PVDRYSN QNNFV | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | 0.003 | -0.023 | -0.022 | t | 70236 | VPAAKIPT GELQI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | -0.001 | t | 144809 | VLAPGGT HSRGLLE M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.023 | -0.031 | -0.025 | t | 131276 | WHEAQPS PGLLR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.057 | t | 125248 | RVPPRYHA KISPMVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.019 | -0.023 | -0.019 | t | 99778 | WRRPSHQ QPRKIRPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.029 | -0.04 | -0.041 | t | 141980 | PLDRRIEA QRLDRKHI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.018 | 0.01 | 0.012 | t | 38374 | LNWGRIS NVLPEYRG EAGV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.023 | -0.037 | -0.038 | t | 12900 | EKVSRRSN FEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0 | -0.023 | -0.022 | t | 157228 | FAVVKRAR DEGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.013 | -0.007 | t | 51258 | QKTAASY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.023 | 0.033 | t | 117640 | SFEYFPSHF FVPELEVTI IC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.028 | -0.043 | -0.039 | t | 107239 | SPPLQCSQ YPNSLRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.02 | -0.02 | t | 151072 | YDDVNGIR RP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.055 | -0.047 | -0.039 | t | 103842 | DEPNGAIR FTMGYQH | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.006 | -0.001 | 0.003 | t | 134637 | AIKDNRAV HA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.009 | t | 133551 | EAPPPTLP PDMAQVT VGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.03 | t | 109917 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.055 | 0.047 | 0.055 | t | 23530 | HAFCHEEG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.016 | -0.03 | -0.03 | t | 120404 | AMMIARF KMFPEVKE K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.013 | 0.01 | t | 55769 | RRVVRHEP LGRSFLTG GLVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.04 | t | 108086 | QTRGFPSC ERGYLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.015 | -0.04 | -0.04 | t | 65026 | TLQNQGA W | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.003 | 0.011 | t | 140695 | KGRFTISR DNAKSTLY L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.009 | -0.01 | t | 70109 | VNKNTLQ ARQQTVS A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.015 | -0.003 | -0.01 | t | 130808 | ENEPPVW TTESKLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.023 | 0.003 | 0.002 | t | 53478 | REDVTFQV GLNQYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.008 | -0.007 | -0.008 | t | 113373 | EQFNWVS RLANLTQG EDQYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.008 | -0.007 | -0.008 | t | 113373 | EQFNWVS RLANLTQG EDQYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.023 | 0.01 | 0.011 | t | 19894 | GGIYYPYDI YYPYDIYYP YD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.01 | t | 128340 | ATPKKSAK KTPKKAKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.048 | -0.07 | -0.07 | t | 30953 | KGHVILRK RV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.032 | 0.023 | 0.03 | t | 12198 | EGIIYKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.018 | -0.039 | -0.038 | t | 13458 | ENDIRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.026 | 0.01 | 0.01 | t | 7885 | DDVNKNT LQARQQT | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.038 | 0.019 | 0.02 | t | 99824 | ITQSTQSF N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.05 | -0.05 | t | 63967 | TGSQDFFV RSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.05 | -0.05 | t | 63967 | TGSQDFFV RSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0.002 | 0 | t | 34135 | KVNFPHG MLDLEEIA ANSKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 134471 | PKPEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 151813 | CGADSYE MEEDGVR KC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 133698 | SLLTEVETP IRNEWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.046 | -0.05 | -0.049 | t | 99134 | DAEFRHDS GYEVHHQ | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.002 | -0.02 | -0.02 | t | 66862 | TTTKPTKK PTFK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.012 | -0.01 | -0.01 | t | 98229 | LPSLAGW WSSASDW F | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.017 | -0.02 | -0.018 | t | 73790 | YEVNRVSG VYHVTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.011 | -0.027 | -0.027 | t | 23032 | GVLAKDV RFSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0.001 | t | 13523 | ENMNRYP NQVYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.02 | -0.019 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.033 | 0.041 | t | 144756 | QVGTHPG LANDYEYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.003 | -0.02 | -0.02 | t | 48947 | PPWDFDA GEGIH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.031 | -0.031 | t | 88469 | SEDRETRP HGRNNM NFVYNR | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.004 | -0.007 | -0.007 | t | 75954 | YTASTRGD LAHLTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.027 | t | 108200 | VSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.027 | 0 | -0.002 | t | 14778 | EVLYHMPL AGVYRALK KQLE | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.003 | 0.011 | t | 119649 | SYCEIIVTH FPFDQQN CT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.016 | -0.017 | -0.018 | t | 30332 | KEDTSFGG NLGRAVF QAKKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.097 | t | 117231 | RQIFGDYK TTICGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.012 | t | 126900 | QVAALTW VQTHIRGF GGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.045 | 0.02 | 0.017 | t | 46084 | NTEPSQLP PTA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.064 | 0.073 | 0.057 | 0.06 | t | 71285 | VTEEIVTEE IVTEEI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.017 | -0.027 | -0.02 | t | 34809 | LAHRRIPP ENIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.014 | -0.029 | -0.029 | t | 75047 | YMDTQTT LPIMW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.024 | 0.03 | 0.034 | t | 76584 | YYQSGLSI VMPVGG QSSFYS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.018 | -0.008 | -0.01 | t | 48479 | PLSLRSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.013 | -0.033 | -0.032 | t | 49795 | PTTRTDDK LR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.003 | -0.02 | -0.018 | t | 62957 | TAPSSISLI HAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.068 | 0.04 | 0.04 | t | 102004 | QPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.035 | -0.043 | -0.038 | t | 108599 | QGDAKKG ANLFKTRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.006 | -0.01 | -0.008 | t | 27724 | INQAIDNI NNFINGCS VSY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | 0 | -0.03 | -0.031 | t | 63832 | TGGAGYFY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.038 | 0.029 | 0.032 | t | 29752 | KAALIEEG QRMAEM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.006 | -0.02 | -0.022 | t | 46795 | PAFLGCCS RFSGSFSG VEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.04 | t | 108082 | QKTTTRPY PNLQIDP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.013 | -0.027 | -0.03 | t | 75863 | YSPSRFSFY FYPFRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.034 | 0.017 | 0.02 | t | 68322 | VEQKHIQK EDVPSERY LGYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.003 | -0.009 | -0.011 | t | 9677 | DPLTSLHA MQRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.053 | -0.061 | -0.06 | t | 19049 | GDLVGPG CAEYAAA NPTGPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.015 | -0.001 | 0 | t | 9979 | DRGWGN GC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.047 | 0.027 | 0.027 | t | 110794 | CDDDDDN DGVPSDR DNCRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.017 | 0.02 | t | 108269 | AKYSNQR AQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.05 | 0.029 | 0.032 | t | 6979 | CSDTIDAG KD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.05 | 0.029 | 0.032 | t | 6979 | CSDTIDAG KD | MD |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | 0.001 | 0.002 | t | 149530 | YDCNTAAT DATRWQI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.047 | 0.03 | 0.031 | t | 120849 | NSQPEILE RTRAELD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.01 | 0.006 | 0.009 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.02 | -0.019 | t | 52813 | QVVVMKS KNDQGIT NKCKM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.028 | 0.01 | 0.01 | t | 93568 | PGEATETV PATEQEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.024 | -0.048 | -0.05 | t | 5059 | ATMPCLS HPSVCKHL Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.006 | -0.02 | -0.02 | t | 133542 | DGRRDVV VRSATFYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.007 | 0.01 | t | 67924 | VDDRQIV QNLRGETE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.064 | -0.063 | -0.07 | -0.068 | t | 99869 | ACSDRFLR RPMCLPP HVVFL | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.006 | -0.02 | -0.02 | t | 120744 | LDTLLVDV EPKVKSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 40858 | LYMPQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.059 | 0.03 | 0.029 | t | 141685 | KKTEETTLL EDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.023 | -0.003 | -0.002 | t | 13661 | EPIAPYHF DLSGH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.018 | t | 17539 | FQTAAQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.018 | t | 17539 | FQTAAQR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.01 | -0.01 | 0 | t | 17256 | FPAHPLPR LPSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.021 | t | 46444 | NVPEKQT RGIFGAIA GFIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.011 | t | 131151 | WTELDDV KR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.003 | t | 109917 | SHQESTRG RSRGRSGR SGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.017 | 0.013 | 0.022 | t | 119655 | TTEAVVAD KPEKEKA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.017 | -0.007 | -0.011 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.024 | 0.003 | 0 | t | 45160 | NNLEDPAS RDLVVNYV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.02 | -0.02 | t | 105078 | AFNHFGIQ LVQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.02 | -0.019 | t | 141105 | WEISQASH YFERHLE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.009 | t | 119579 | FKDYSSVV RPVEDHR Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.038 | -0.05 | -0.048 | t | 58001 | SGDVVRFP NITNLCPF G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.045 | 0.02 | 0.02 | t | 31558 | KKGSSIGQ M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.004 | -0.03 | -0.028 | t | 128145 | WRLGPYV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | -0.009 | t | 56496 | RWWQHR PSHTPS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.008 | -0.001 | 0 | t | 8388 | DGGGGHS HDSGHGG GD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.006 | -0.02 | -0.021 | t | 20063 | GGVAGLF KMGSQQK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 132929 | WGNNY M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.031 | t | 118678 | WPLHDGG AVNRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.002 | -0.009 | -0.008 | t | 50744 | QFDEMEE CSASLPYM DETRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.004 | -0.011 | -0.01 | t | 61400 | SSTKSSSPS NVKSAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.038 | -0.05 | -0.05 | t | 100332 | NHRIVQIE AKPNTLV L PKHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.001 | -0.011 | -0.01 | t | 48672 | PNLSAYPK SHGKTAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.051 | 0.03 | 0.03 | t | 21313 | GMMLAE QFKQKAL GLLQTAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.03 | 0.009 | 0.011 | t | 56734 | SADNNNS EYSWT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.016 | -0.017 | -0.01 | t | 59231 | SLKMADP NRFRGKNL P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.017 | -0.01 | t | 59231 | SLKMADP NRFRGKNL P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.008 | t | 17408 | FPSPYYSP AFTKGEKV DL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | -0.001 | 0.001 | t | 41826 | MKHM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.022 | t | 78323 | YSFRD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.047 | -0.04 | t | 117609 | PVQLETLSIRGNNIR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.017 | 0.003 | 0 | t | 110834 | EQLKGQGKSRLGDLYEEEMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.015 | -0.003 | 0 | t | 43326 | NATPQLTKNAGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.01 | -0.01 | -0.01 | t | 51264 | QKTYNYNVLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.01 | -0.023 | -0.02 | t | 24414 | HNTVPSLWYHNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.008 | -0.01 | -0.01 | t | 47134 | PDKQDYQIRMAKSS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.03 | t | 42929 | MVDRGWGNGCGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 132469 | LYWFTLYQFFLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.041 | -0.06 | -0.06 | t | 38010 | LMDPVFGFDRRVPVV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.048 | -0.05 | -0.049 | t | 137774 | YRNKQKEFMERRRATVDTYC | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.013 | -0.009 | t | 69953 | VMGDDGVLACAIAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.012 | -0.027 | -0.028 | t | 49756 | PTPVNPSTAPAPAPT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.056 | t | 140940 | YRQKVEPL RAEL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.052 | 0.031 | 0.03 | t | 81709 | ENDYSAN GGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.029 | -0.028 | t | 66051 | TRLENLM WK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | 0 | t | 77882 | GFKETSPT GLRW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.012 | t | 46999 | PAVVPDRE VLYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.01 | 0.011 | t | 76195 | YTTSTRGD LAHVTAT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.032 | 0.036 | t | 138192 | HQTPLST | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.002 | -0.009 | -0.008 | t | 4498 | ASKAALIEE GQRMAE MLKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0.001 | t | 144820 | YLEDWIKY NNQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.008 | -0.029 | -0.03 | t | 66029 | TRGLASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.014 | t | 36746 | LIVKVMN NEEIPNTK ATIDQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.02 | t | 32486 | KNEVFC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.035 | t | 105207 | GAIIGLMV GGVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.002 | -0.023 | -0.02 | t | 50938 | QGPLPNT ALL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | t | 71189 | VSVITPGT NASSEVAV L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.092 | -0.083 | -0.09 | -0.089 | t | 142484 | WRMAGQ KRTSGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.01 | t | 6276 | CGAVIDDC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.021 | -0.039 | -0.04 | t | 33414 | KSLKNINR P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.023 | 0.01 | 0.012 | t | 73877 | YFPAGGSS SGTLNPV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0 | 0.011 | t | 108649 | TDANKQK GIEWNH D T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.011 | -0.03 | -0.03 | t | 64526 | TKAPTQAA KP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.034 | 0.023 | 0.022 | t | 15891 | FFRSTPED LERA EK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.034 | 0.023 | 0.022 | t | 15891 | FFRSTPED LERA EK | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.003 | 0 | t | 108303 | CTRHPDC QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.013 | t | 119657 | TWNDTYG SNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.011 | -0.023 | -0.019 | t | 53247 | RAYALWS ARQQFKTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.024 | 0.031 | 0.007 | 0.01 | t | 51258 | QKTAASY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.001 | -0.01 | -0.01 | t | 38268 | LNLPWSSA GSTVWRN RETLM | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.039 | -0.037 | -0.03 | t | 78219 | NKQWYL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0.01 | -0.007 | -0.009 | t | 22949 | GVELNDK NQFKLTSS ANSK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.037 | 0.04 | t | 108283 | AQSAITAC W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.002 | -0.007 | -0.001 | t | 116286 | CGKGLSAT VTGGQKG RGSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.028 | 0.01 | 0.009 | t | 118829 | GVLGQA SQLNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.003 | 0.009 | t | 5977 | CAGFEKIP C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.02 | -0.02 | t | 100455 | RCTKLEYD PRCVYDPR GHTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.014 | t | 144257 | ESISVSSEQ LAQFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.003 | -0.009 | -0.007 | t | 47565 | PFSPDGKP CTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.084 | -0.08 | -0.087 | -0.081 | t | 150739 | YLFKANPN YAGNSIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.009 | t | 119582 | GLQLIQLIN VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.039 | t | 116721 | FSWGGRD SRSGSPM ARR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0 | -0.02 | -0.017 | t | 2212 | AKKKKPEK PH | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.005 | -0.03 | -0.03 | t | 20852 | GLFGKGGI VTCAMFT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.035 | t | 79040 | PGQNLCYT K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.076 | -0.073 | -0.08 | -0.076 | t | 139961 | YPWGQD H | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.037 | -0.041 | -0.04 | t | 38810 | LQAMRKY SPFRNGY MEPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.009 | 0.01 | t | 19641 | GFVDGLR DLTTTER | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0 | t | 78450 | LILNQMA NFSLLPSF DTLLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.015 | -0.004 | 0 | t | 8888 | DKIDWRES GYVTEVKD QGNC | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.015 | -0.004 | 0 | t | 8888 | DKIDWRES GYVTEVKD QGNC | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.019 | -0.04 | -0.038 | t | 62990 | TASGLVS MFS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.019 | -0.04 | -0.038 | t | 62990 | TASGLVS MFS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | -0.001 | t | 115238 | EVDDEALE KFDKALK LPMH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 78429 | KEQLPTSY PPERAGW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 108666 | TRCAQCH TLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 108612 | RNDLITFLE QETK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 68707 | VGLDAFSA DELKKLKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 26996 | ILDGDNLF PKVAPQAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.094 | -0.073 | -0.091 | -0.09 | t | 30219 | KDNPHPK GSR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.002 | -0.003 | 0.002 | t | 58797 | SKDLADKL AAKTAEAE K | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.023 | 0.02 | t | 38925 | LQNSMSG ASADSTQ A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 134988 | GPPGARG LTGRPGDA GPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.038 | 0.019 | 0.02 | t | 99824 | ITQSTQSF N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.03 | -0.037 | -0.029 | t | 144319 | GSADDVV DAEVVDD | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.028 | t | 144797 | TGGCTHG CLAVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.039 | -0.059 | -0.058 | t | 32658 | KPARLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.039 | -0.059 | -0.058 | t | 32658 | KPARLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.017 | -0.02 | -0.019 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.02 | -0.019 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.011 | -0.017 | -0.02 | -0.019 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.001 | -0.031 | -0.032 | t | 71531 | VTTSGGRR Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.02 | -0.009 | t | 23169 | GVTHDQL NNFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.007 | 0.012 | t | 117342 | PGSALLRQ SMHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.017 | t | 125552 | RRFEYDDP RFLRLDLA QEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0.001 | t | 13838 | EQHLMQK IQRDEDSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.017 | 0 | -0.001 | t | 50490 | QDLPGND NNSTATLC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.047 | 0.04 | 0.047 | t | 136717 | VGTVCTRV DSEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.013 | -0.027 | -0.02 | t | 126926 | RGWNPGE LYNGFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.021 | -0.001 | -0.002 | t | 65238 | TMPFSPDF SNVD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 69989 | VMLPWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.011 | -0.007 | -0.01 | t | 74543 | YKYPYVLG QGQDTLA PELPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.013 | -0.031 | -0.03 | t | 67449 | TYRFVSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.017 | -0.018 | t | 14379 | ETFTCISAP WTCVTWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0.002 | t | 22719 | GTKAIDVG QG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.003 | 0.01 | t | 125063 | GDRVYE NELVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.001 | -0.019 | -0.02 | t | 78840 | SRSLPRQS LIQPPTFH PPSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.013 | -0.009 | -0.01 | t | 19965 | GGPLTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0 | -0.02 | -0.018 | t | 48967 | PQAMQW NSTAFH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.019 | -0.04 | -0.04 | t | 158387 | TRGVKSSS KLPA | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.035 | -0.037 | -0.029 | t | 112059 | CADARMY GVLPWNA FPGKV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.039 | t | 77952 | LQSPTGLT NYFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 151731 | SAQSQRA PDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.011 | t | 63087 | TCMTTAQ GTSMYPSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.002 | t | 74762 | YLLARGHD PAFVHMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.052 | 0.04 | 0.042 | t | 60985 | SSFEDSDS GSDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.004 | -0.02 | -0.02 | t | 141622 | DPNGWTG TDNNFSI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.068 | 0.04 | 0.04 | t | 102004 | QPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.063 | -0.073 | -0.07 | t | 122400 | HSAHRGP TYDPRVLH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.025 | 0.01 | 0.01 | t | 98436 | SAGTGGA DLPTDLPP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.049 | -0.057 | -0.058 | t | 13267 | ELRYSWKT WGWAKML STELH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.003 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.007 | 0.011 | t | 32716 | KPGGGW NTGGSRYP GQGS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.011 | t | 32716 | KPGGGW NTGGSRYP GQGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.008 | t | 57240 | SDLMHRLY HVPVAVGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.018 | 0.013 | 0.021 | t | 119649 | SYCEIIVTH FPFDQQN CT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 142505 | ADWADW LDYPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.033 | -0.031 | t | 138234 | RRTPDPAV SPWQLTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.031 | t | 114211 | GSLPQKSH GRTQDEN PVVHF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.039 | -0.034 | t | 29270 | IVFPDLGV R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.033 | -0.039 | -0.034 | t | 29270 | IVFPDLGV R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.017 | 0 | 0.002 | t | 45628 | NQSLLETH | Anas platyrhy nchos |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.03 | 0.02 | 0.021 | t | 39070 | LREGVTLG VGASFDT QKL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.034 | -0.04 | -0.039 | t | 106092 | RSGYSSPG SPGTPGSR SR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.005 | -0.027 | -0.019 | t | 125217 | QPHVMS | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.043 | -0.053 | -0.05 | t | 60362 | SQADQGS FYVNHQIL FLHLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.016 | t | 140695 | KGRFTISR DNAKSTLY L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.002 | 0.001 | 0.002 | t | 47000 | PAVVPDRE VLYREFDE MEAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.016 | -0.011 | t | 112940 | DQMAVEK LSDGIRKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.014 | -0.02 | -0.018 | t | 6080 | CCRHKQKI VGDVKQT LPPS | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.051 | -0.06 | -0.058 | t | 100631 | VRVWCPR PPRAVPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.007 | 0.002 | t | 131317 | VEALYLVC GERG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.019 | t | 39788 | LTAELKIYS VIQAEINK HL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.01 | -0.011 | -0.012 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.04 | -0.036 | t | 115032 | ALGQGPPQ FIFQYEEEE ER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.007 | -0.01 | -0.008 | t | 95806 | RRGDMGS L | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.013 | -0.011 | t | 16280 | FIQQGRGY FGLIFPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.032 | -0.03 | t | 110965 | PNNNKILV PKVSGQLQY RVFR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.003 | -0.019 | -0.019 | t | 62776 | TAADGYG AGLCANV RCDTAT | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0.002 | t | 41826 | MKHM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.016 | -0.007 | -0.004 | t | 135898 | ARDTQGL GWGAS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.037 | -0.031 | t | 119613 | LSLSRFSW GAEGQRP GFGYG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.03 | 0.013 | 0.009 | 0.012 | t | 111515 | LQPETDL YCYEQLND SSEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.02 | t | 9589 | DPAFSLNS RAFPAPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.02 | t | 9589 | DPAFSLNS RAFPAPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.032 | -0.023 | -0.01 | t | 78561 | VWAQSSS FPQFKPQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.018 | -0.01 | -0.011 | t | 102879 | VDDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.008 | -0.01 | -0.01 | t | 47133 | PDQDYQI RKAKSS | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.02 | t | 11129 | EALYGMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.017 | -0.001 | 0 | t | 120649 | ITVGLQLIQ LISVDEVN QIV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 140475 | IQDTRNAV RASRIQYH HDP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.012 | t | 140475 | IQDTRNAV RASRIQYH HDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.029 | t | 57644 | SETFTNKL KEKHTDLG KEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.01 | 0.02 | t | 98855 | KTENPCA QRCLQSC Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.024 | -0.003 | -0.006 | t | 45627 | NQSLDLAE QELVDCAS QHGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.013 | -0.009 | -0.008 | t | 71321 | VTGGAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.026 | -0.024 | t | 138197 | KLTSRLRY NSPPLCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.025 | 0.011 | 0.01 | t | 67283 | TWNLDLN SLTTDQRL H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.018 | -0.017 | -0.03 | -0.03 | t | 49127 | PQSNQRS APRITFGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.021 | -0.02 | t | 65253 | TMRDSNG FFIEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.02 | t | 112754 | ASQYRPSQ R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.013 | t | 125462 | KLPLSLSFL HLTRADLS YPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.025 | -0.03 | -0.029 | t | 25807 | IEFQQKNN RLLEITREF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.025 | -0.03 | -0.029 | t | 25807 | IEFQQKNN RLLEITREF | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.026 | -0.034 | -0.043 | -0.039 | t | 61072 | SSHPSYKK LRARIRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.032 | -0.037 | -0.031 | t | 125085 | GTPSHSRR QPHVMS | Macaca fascicula ris |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.022 | 0 | 0 | t | 28313 | IRHQMVL QL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.026 | 0.017 | 0.022 | t | 55994 | RSVSKEE GM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.039 | -0.051 | -0.049 | t | 24348 | HMPRDAN RHHQHPS T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.015 | 0.01 | 0.009 | t | 126374 | KALRDGD WFWWEN SHVFTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.048 | t | 117443 | ARGRGRG MGRGNIF Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.019 | t | 119674 | WNPDDYG GVKKIHIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.016 | 0.001 | 0.001 | t | 141562 | SIVQRSEN NGVRPDV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.023 | -0.039 | -0.04 | t | 58434 | SHVPLATS RTLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.013 | 0.02 | t | 78164 | GERLIV | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.02 | t | 33548 | KSVIIGCTG GSPEKHHC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0 | -0.01 | -0.01 | t | 56291 | RVFPRGTV ENPDKARE LNKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.031 | -0.049 | -0.048 | t | 51790 | QPACRKA GCQTYKW E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 150204 | FHSVVHTL LEWLMEK ELMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 125055 | FVYGGCQ GNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.035 | 0.054 | 0.04 | 0.042 | t | 11240 | ECEVVPGA EDDFVCK | Bos indicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.047 | -0.039 | t | 108877 | DRGFYFNK PTGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.01 | -0.01 | -0.007 | t | 132021 | PTMTRVL QGVLPALP QVVCN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.026 | -0.021 | t | 56496 | RWWQHR PSHTPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.01 | -0.027 | -0.029 | t | 32595 | KNQIQLFN LESSKIEVIL K | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.032 | 0.031 | 0.04 | t | 70946 | VSGDPRG RYEDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.021 | t | 108603 | QSPRLYPG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.01 | -0.008 | t | 39998 | LTKSGSTY PVLNVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.016 | -0.021 | -0.008 | t | 158594 | GRRPFFHP VGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.01 | -0.019 | -0.01 | t | 79038 | PFWLSD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.033 | -0.03 | t | 51540 | QLSGTLER QWQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.001 | -0.011 | -0.01 | t | 47294 | PEGRTWA QPGYPWP LYGNEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.005 | 0.025 | 0.007 | 0.01 | t | 96409 | INDMPITN DQKKL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0 | t | 113738 | PVEVSRKN PKFMETV AEKAL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0 | t | 113738 | PVEVSRKN PKFMETV AEKAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.01 | -0.02 | -0.019 | t | 46954 | PASTNRQS GRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.01 | -0.02 | -0.019 | t | 46954 | PASTNRQS GRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 6479 | CKGKIQAL CENPEWA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.02 | 0.001 | 0.001 | t | 5344 | AVGGYAIS IS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.003 | -0.017 | -0.019 | t | 111041 | TIGRLQDEI QNMKEE MARHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.003 | t | 266 | AALANSLS LGPQQKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.021 | -0.04 | -0.04 | t | 78536 | TPLCDYAA ARVGACG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.021 | -0.04 | -0.04 | t | 78536 | TPLCDYAA ARVGACG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.051 | 0.047 | 0.041 | 0.045 | t | 136561 | PTDNDHT FDALQ | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.05 | -0.048 | t | 67959 | VDGIIAAY QNPASWK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.03 | t | 108198 | VQFKESNR LNSPLAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.012 | 0.003 | 0.002 | t | 130614 | STLPYLPTY SKH | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 133632 | LRCYSHCT FYFASST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.009 | -0.019 | -0.02 | t | 39702 | LSTKAACP TMGEAHN DKR | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.042 | 0.016 | 0.02 | t | 49137 | PQTTKPKE VPTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.013 | -0.001 | t | 78393 | GDYLIDQG L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.027 | 0.011 | 0.012 | t | 62650 | SYMDTPST CLAIVRPI GVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.02 | -0.041 | -0.038 | t | 47157 | PDPLKPTK R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.027 | -0.04 | -0.036 | t | 4427 | ASGLVSMF SV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | -0.006 | t | 2978 | ALVNWHG VYNYR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.104 | -0.087 | -0.103 | -0.1 | t | 142224 | LLDTKGGL YRWRSVP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.03 | -0.05 | -0.049 | t | 105570 | VGGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.007 | 0.01 | t | 108030 | MAYVPPY EMIVRELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.007 | t | 61516 | STAIHADQ LTPAWRIY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.007 | t | 69129 | VITPGTNA SSEVAVLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.007 | t | 60978 | SSEVAVLY QDVNCTD V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.007 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.007 | t | 12345 | EHKYSWK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.007 | t | 17524 | FQQFGRD VSDFTDSV RDPKT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.048 | -0.08 | -0.083 | t | 80095 | VVHFFKNI VTPRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.001 | 0 | t | 88363 | SAHLNVQ CTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.001 | 0 | t | 88363 | SAHLNVQ CTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.046 | 0.027 | 0.027 | t | 113731 | PTSPQQSG QGQQPG QGQQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | 0 | t | 78003 | SFFDKNSA HWSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.031 | 0.03 | 0.04 | t | 140607 | TMYQAIT QT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.02 | 0.03 | t | 104115 | MILSLQM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.017 | -0.01 | t | 135996 | SIVPALEIA NAH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.007 | -0.009 | -0.008 | t | 70026 | VMTVEIRK QNMTEF MELWSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.021 | -0.02 | t | 2308 | AKTRIINRR KRELS | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.022 | -0.02 | t | 99040 | VLDTDYKK YLLFCMEN SAEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.017 | 0.001 | 0 | t | 42187 | MNALVNS TLLETRTT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.009 | -0.008 | t | 10349 | DTHLGGE DFDNRLVT FFTEE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.001 | -0.017 | -0.02 | t | 57997 | SGDESDS SDGYPPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.043 | -0.057 | -0.06 | t | 19211 | GEASGLCC RWSSLKG C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.03 | 0.031 | t | 144601 | CSGTHPSIS SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.043 | -0.042 | t | 13856 | EQKLRSAG ELELQFRR VKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0 | t | 30504 | KELLDKTS RTGDEVR ALAND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.015 | -0.027 | -0.028 | t | 60333 | SPWAPTA PLPGDMN P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.027 | 0 | 0 | t | 141624 | DTGSLVW LSQRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.027 | 0 | 0 | t | 141624 | DTGSLVW LSQRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.014 | 0.041 | 0.02 | 0.02 | t | 92778 | GALRNYIG ESSPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.056 | -0.029 | -0.05 | -0.05 | t | 93665 | RANVVNLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.048 | t | 117910 | HLLTNHLK SKEVWKA L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.034 | -0.03 | -0.024 | t | 23199 | GVVCAAIL R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.023 | -0.02 | t | 3652 | APLTRGSC RKRNRSPE R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.037 | 0.023 | 0.02 | t | 72205 | VYYPDEIFR SDTLYLTQ D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.088 | -0.07 | -0.093 | -0.09 | t | 69311 | VKRVKTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.004 | -0.023 | -0.019 | t | 135939 | IPVLDENG LFAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.029 | 0.033 | t | 130460 | CSSSQDG HQWTLCA AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.009 | t | 121706 | PGHPDDV GNYWAIP S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.077 | -0.06 | -0.08 | -0.081 | t | 105498 | RHDSGYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.077 | -0.06 | -0.08 | -0.081 | t | 105498 | RHDSGYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.077 | -0.06 | -0.08 | -0.081 | t | 105498 | RHDSGYEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.042 | -0.053 | -0.051 | t | 14300 | ESVLQAQ MAAQQLP VIGGIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | -0.003 | 0 | t | 837 | AEALSTEP KGAAVDSS KAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0.001 | t | 144820 | YLEDWIKY NNQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.017 | -0.04 | -0.041 | t | 13523 | ENMNRYP NQVYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.029 | 0 | -0.001 | t | 141685 | KKTEETLL EDR | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.004 | t | 29270 | IVFPDLGV R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.044 | -0.059 | -0.058 | t | 21764 | GPRLTHSG DLHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.043 | 0.052 | t | 111690 | QTATLTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.029 | -0.023 | t | 36742 | LIVFPDLG VR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.018 | t | 21845 | GQAAWKE ARA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.029 | -0.02 | t | 130729 | APHKHKAS LSIY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.046 | -0.019 | -0.04 | -0.04 | t | 93665 | RANVVNLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.02 | t | 120416 | AVALREYR KKMDIPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.021 | 0.001 | 0 | t | 41845 | MKKDDQI AAAMVLR GMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.03 | -0.05 | -0.051 | t | 105570 | VGGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | 0 | t | 107753 | ATNMKMS NMHTLIG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.048 | -0.057 | -0.048 | t | 118337 | ERADLIAYL KKATNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.002 | -0.014 | -0.018 | t | 117366 | RRREGPDR SPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.018 | -0.001 | 0 | t | 43195 | NAKGFMP STTAYPFN DNSRE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.018 | -0.04 | -0.04 | t | 98343 | PPPPPRVQ PRKTKSV | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.033 | t | 137420 | HSPRYHM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 5562 | AVTKGTIN DPEA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.015 | 0.01 | 0.021 | t | 52040 | QQIGKR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.057 | 0.057 | 0.06 | t | 108281 | APSSLAGNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.03 | t | 32872 | KPSDFPP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.011 | t | 120601 | IDISDISGK QVTGEVIF QT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.011 | 0.02 | t | 23717 | HELRSQIIS TTS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0.006 | 0.002 | t | 74631 | YLEHCTM NECLNAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 11819 | EENVEHDA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.02 | -0.03 | t | 38810 | LQAMRKY SPFRNGY MEPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.035 | -0.043 | -0.038 | t | 108599 | QGDAKKG ANLFKTRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.054 | -0.05 | t | 135983 | RLRPPEPR PRDR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.008 | 0.01 | 0.02 | t | 78026 | TAQWLSR TQMDS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.047 | -0.05 | t | 70428 | VPPRRRRR AKVLTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.027 | -0.02 | t | 120175 | RLYHHLFN NYDPGSR | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.027 | -0.016 | t | 135921 | EVGWYRS PF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.037 | 0.03 | 0.031 | t | 159288 | LLHYSTISQ DNLDISFG ELQ | Aotus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.012 | t | 142705 | GVGSSAVI LNDNFVT | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.028 | 0.003 | -0.002 | t | 21738 | GPPVDPTS G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0.001 | 0.001 | t | 15196 | FAIPYIHPT NPFAPDVT A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.04 | 0.049 | t | 108619 | SESTIQNLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.027 | 0 | 0 | t | 141675 | IINTGSLLS LAH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.027 | 0 | 0 | t | 141675 | IINTGSLLS LAH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.007 | 0.01 | t | 67924 | VDDRQIV QNLRGETE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.033 | -0.04 | -0.038 | t | 122912 | TDVRYKD DMYHFFC PAIQA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.038 | 0.01 | 0.008 | t | 72270 | WAVKDSK SR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.006 | -0.03 | -0.03 | -0.023 | t | 141579 | WKVRKSFF KLQG | Rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.015 | 0.045 | 0.011 | 0.008 | t | 61560 | STDPAATD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.03 | 0.031 | t | 144601 | CSGTHPSIS SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.021 | -0.027 | -0.02 | t | 125022 | EAERAGR GTG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.053 | 0.021 | 0.02 | t | 53343 | RDFVEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.013 | 0 | 0 | t | 12423 | EIDMHMP PDTPDRTL LSQQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.013 | -0.009 | t | 64882 | TLKQAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.019 | -0.01 | -0.01 | t | 34933 | LAQKVART LP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.024 | -0.039 | -0.04 | t | 49116 | PQRKTKR NTNRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.086 | -0.075 | -0.089 | -0.09 | t | 45616 | NQRKKAR N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.017 | 0.003 | 0.012 | t | 134744 | LPPLGTHP SMHP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.01 | -0.011 | t | 9677 | DPLTSLHA MQRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.007 | 0.003 | 0.01 | t | 78109 | AVPTKA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.041 | t | 105570 | VGGVVIA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | 0 | t | 78050 | TWWDKN SATVAW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.005 | -0.01 | -0.007 | t | 51438 | QLSSSKYT IQRSTGDN IDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | -0.012 | -0.001 | 0.006 | t | 111051 | VGPLEVIP EAVDPAG SSIV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.007 | -0.01 | -0.008 | t | 42977 | MVNINDT DTWIPKG CNE | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.041 | -0.04 | -0.037 | t | 134784 | RKRSQML FRGRRASQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.013 | -0.033 | -0.032 | t | 105306 | LPQQCGLR APQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.022 | -0.04 | -0.04 | t | 53202 | RASANLAA TKMSECVL G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.013 | 0.025 | t | 119635 | RGWKHSV TYSCCPDT PY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.012 | 0.001 | 0.001 | t | 95104 | ITGAGPKY VKQNTLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | -0.007 | t | 90720 | YEVEKPLE PAPVAPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | -0.003 | 0 | t | 72476 | WGILSRAA TNSGWVG LIPHK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.023 | -0.04 | -0.043 | t | 111033 | STYDRDN DGWLTSD PRKQCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | 0 | -0.02 | -0.02 | t | 32879 | KPSKPKTN MKHMAG AA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.01 | -0.02 | -0.02 | t | 154400 | DPVGPSD PSIVSLVEE TSFI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.059 | -0.051 | -0.061 | -0.06 | t | 33051 | KQPQRLR VKTPPPVT VP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.054 | 0.027 | 0.03 | t | 53955 | RGQKAKS NPNRPLPV PRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.009 | t | 110116 | YCAPLKPA KSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.05 | 0.043 | 0.05 | t | 35127 | LDDSYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.048 | 0.03 | 0.03 | t | 93568 | PGEATETV PATEQEL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.008 | 0.003 | 0.011 | t | 119649 | SYCEIIVTH FPFDQQN CT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.007 | -0.008 | t | 115902 | PRSPRSE RQPRSPPR SERQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.029 | -0.033 | -0.029 | t | 99247 | FLAAHAS ARQQWEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.057 | t | 125248 | RVPPRYHA KISPMVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.008 | -0.001 | 0 | t | 17915 | FTCDRLSG YWERGIPL PCGL | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.009 | -0.032 | -0.03 | t | 54577 | RLHLNDRV V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.003 | 0 | t | 108303 | CTRHPDC QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.01 | 0 | t | 114754 | CAHKVEQ GAS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.062 | 0.04 | 0.041 | t | 43527 | NDSSSHLQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.025 | 0.03 | 0.039 | t | 4938 | ATEINDNS WKDTLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.019 | -0.01 | -0.008 | t | 31772 | KLCGVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.028 | 0.008 | 0.01 | t | 36579 | LIKNCQVN FNFNGLTG T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 132469 | LYWFTLYQ FFLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.013 | 0.012 | t | 5387 | AVIRRANN VLKNEMK RYKGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.006 | -0.03 | -0.03 | t | 64655 | TKQYNVT QAFGRRG P | Macaca cyclopis |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.038 | -0.057 | -0.06 | -0.058 | t | 111521 | LSKLLCVSP MCMMEIP PKLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.011 | -0.023 | -0.02 | t | 8147 | DERGTPEY NIALGQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.015 | -0.04 | -0.04 | t | 105084 | AFNRFEGG LVQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.031 | -0.051 | -0.05 | t | 119806 | DPKAPQW PPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.001 | -0.02 | -0.019 | t | 10820 | DWPAlWR KQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.003 | -0.001 | t | 138159 | DTWPTAR LTSSMQYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.037 | t | 136357 | HLKKFAGN AGTP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.053 | -0.048 | t | 104127 | MNKTWYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.031 | -0.024 | -0.04 | -0.04 | t | 24842 | HSQWNKP SKPKTNM K | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.062 | 0.041 | 0.042 | t | 7528 | DAHFLSQT KQSGENLP YLVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.09 | 0.07 | 0.073 | t | 38214 | LNFGQTG DADSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.073 | 0.09 | 0.07 | 0.073 | t | 38214 | LNFGQTG DADSV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.01 | -0.03 | -0.03 | t | 11370 | EDKLADYK RRMADA | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.031 | 0.037 | 0.049 | t | 78463 | MCDIDGQ GEEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.004 | -0.021 | -0.02 | t | 32617 | KNTLQAR QQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.012 | 0 | 0.007 | t | 145841 | KEDFRYAIS STNEIGLLG A | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0.012 | 0.001 | 0 | t | 19095 | GDRADGQ AAGDRAD GQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.046 | -0.06 | -0.06 | t | 40268 | LVALYLAA RLSWNQV DQVIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.045 | -0.053 | -0.05 | t | 97170 | ADQELGD APFLDRLR RDQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 62328 | SVSLPYAN LATH | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.009 | -0.009 | t | 78932 | ATRKTSER SQPRGRR QPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.033 | 0.023 | 0.02 | t | 146910 | EYPDDASV NGVRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.006 | -0.013 | -0.008 | t | 40150 | LTRGSPVT GPFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.048 | -0.051 | -0.049 | t | 137774 | YRNKQKEF MERRRAT VDTYC | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | -0.005 | -0.01 | -0.004 | t | 21330 | GMQLAEQ FK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.008 | -0.029 | -0.029 | t | 62773 | TAACRAAK LQDCTM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.018 | t | 64542 | TKDTNNN LTL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.047 | 0.03 | 0.032 | t | 1765 | AHGSETA WAD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.027 | 0.031 | t | 72178 | VYVEELKP TPEGDLIL LQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.028 | t | 66051 | TRLENLM WK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.018 | -0.039 | -0.038 | t | 13458 | ENDIRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.009 | -0.03 | -0.031 | t | 15524 | FEEVNGIR RP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.01 | -0.03 | -0.03 | t | 140915 | VSAKDGYK INNKL | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.029 | -0.042 | -0.05 | t | 20011 | GGSGGRG RGGSGGR GRGGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.052 | -0.069 | -0.068 | t | 71325 | VTGHWRC P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.029 | 0.027 | 0.032 | t | 109780 | QVYTLPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.019 | t | 119674 | WNPDDYG GVKKIHIPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.039 | -0.049 | -0.048 | t | 38014 | LMESELVI GAVIIRGH LR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.019 | -0.003 | -0.011 | t | 119498 | MRKSTGT AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.027 | 0.03 | t | 108037 | MTQMPT NHAMQLI LE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.059 | 0.03 | 0.03 | t | 127609 | AVLRAPQ NPPPPGP Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.023 | -0.017 | t | 30292 | KEAIPMAV EMAKSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 57556 | SEMPQLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 95690 | PTRTPDQA EPKKPTPP TYET | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.007 | -0.02 | -0.02 | t | 44250 | NIIRTKKQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.007 | -0.02 | -0.02 | t | 44250 | NIIRTKKQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.043 | 0.02 | 0.022 | t | 38997 | LQTASRQA E | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.026 | -0.041 | -0.039 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.026 | -0.041 | -0.039 | t | 50508 | QDPRVRG LYFPAGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.03 | 0.019 | 0.02 | t | 71189 | VSVITPGT NASSEVAV L | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.026 | -0.04 | -0.04 | t | 66910 | TTVVRRRG R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | -0.003 | 0 | t | 60532 | SQQIKMA NKKMKKE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.027 | -0.029 | t | 64642 | TKPTDGN CTCIPISS WAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.014 | -0.013 | t | 125185 | NSSSSQFQ IHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.031 | 0.01 | 0.008 | t | 27498 | IMGYSTP WRYLDFN ALNLFF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.033 | -0.05 | -0.05 | t | 8530 | DHCPVVE VNGVTIQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.027 | 0 | 0.001 | t | 74006 | YGGIYMN G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.055 | -0.057 | -0.05 | t | 69989 | VMLPWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.074 | -0.057 | -0.073 | -0.07 | t | 142325 | VIIKRGKV EVEGLID | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.018 | -0.039 | -0.042 | t | 5476 | AVMRERG VYDTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.01 | -0.03 | -0.028 | t | 48966 | PQAMQW NSTAF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.023 | -0.039 | -0.04 | t | 104227 | RQPIPKAR RPEGRTW AQPGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.011 | -0.023 | -0.017 | t | 150852 | HIGGLSILD PIFAVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.044 | -0.04 | t | 135972 | PRRPGGLG GSGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 135568 | KPSKPKTN MKHMAG AAAAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 135568 | KPSKPKTN MKHMAG AAAAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.007 | t | 125482 | LLKFLGIFN TGLKMFP DLTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.039 | t | 138088 | WLDLSKT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.017 | -0.009 | -0.01 | t | 66435 | TSSLASL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.036 | 0.03 | 0.039 | t | 79610 | LTMTSPI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.036 | 0.03 | 0.039 | t | 79610 | LTMTSPI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.036 | 0.03 | 0.039 | t | 79610 | LTMTSPI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.001 | -0.011 | -0.009 | t | 77955 | MCSPTALR CQAH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.037 | 0.019 | 0.018 | t | 96558 | LIGTGLQV KMPKSHK AIQAD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.02 | t | 156966 | SVTKLGDP RAPR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.018 | 0.01 | 0.013 | t | 41175 | MAYGSDD NDDKNKS LDHKHN | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.03 | -0.04 | -0.041 | t | 137755 | HQCHQES TGRSRGRC GRSGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0.002 | t | 21867 | GQGGGTH NQWNKP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.047 | -0.03 | -0.04 | -0.04 | t | 13893 | EQNQEQK RAAQRAA G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.006 | 0 | t | 144101 | TMMQTM SFLRGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.011 | 0 | 0 | t | 63545 | TETAAPAV ADARKPPS GKKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.01 | t | 17308 | FPIDSSCN ATQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.025 | 0.01 | 0.01 | t | 17308 | FPIDSSCN ATQY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.01 | 0.01 | t | 17308 | FPIDSSCN ATQY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.01 | -0.003 | 0 | t | 110840 | EVTIGDIEE PPILEVVPE TH | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.027 | -0.018 | t | 98698 | APKPAPQP GP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.002 | 0.006 | t | 16101 | FHENWPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0.003 | t | 139044 | EYWYCGM NRTGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.035 | -0.022 | -0.033 | -0.028 | t | 1453 | AGARRGD LAHLAAAH ARHLP | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.012 | -0.013 | -0.01 | t | 43435 | NDFHFEVF NFVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.017 | 0.003 | 0 | t | 62403 | SVYAWER KKISNCVA DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.039 | -0.06 | -0.058 | t | 32658 | KPARLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.009 | -0.01 | t | 50809 | QFPFNASD SVGQQIKV IPVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0.003 | t | 11081 | EAIPALTA VETGHTSQ V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0 | t | 5350 | AVGPGRW DED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.027 | 0.03 | t | 108086 | QTRGFPSC ERGYLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.01 | -0.011 | t | 100222 | KNSFSLGE NPNANP | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.032 | 0.01 | 0.012 | t | 62942 | TAPGPGEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.001 | -0.019 | -0.02 | t | 65391 | TNPMTGA LLRAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | -0.003 | 0 | t | 112319 | SKIFKLGGR DSRSGSP MARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.017 | 0 | 0 | t | 15982 | FGGETFTP DWMMEV AIDNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.023 | 0.01 | 0.014 | t | 7909 | DEALNNR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0.001 | t | 50931 | QGPGAPQ GPGAPQG PGAP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.026 | -0.021 | t | 108125 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.047 | -0.06 | -0.058 | t | 100087 | GTNPLPLP FQYYRIRK AK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.045 | -0.049 | -0.048 | t | 57540 | SELSPLLLT TTQWQVL PCSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.021 | -0.029 | -0.03 | t | 16449 | FKQKARGL LQTATKQA EAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.006 | -0.017 | -0.02 | t | 1497 | AGEPYVIE QGMMDP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | 0 | t | 77951 | LPTMLSPT GLSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.051 | -0.08 | -0.082 | t | 80049 | TGELTMYW WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.023 | -0.039 | -0.04 | t | 104187 | PRRGPRLG VRATRKT ERSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.054 | 0.037 | 0.042 | t | 75274 | YP EEVVEE VVPEEVVE EVVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.03 | -0.03 | -0.028 | t | 105562 | VAVVRTPP KSPSSAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.028 | t | 105561 | VAVVRTPP KSPSSAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.004 | -0.017 | -0.012 | t | 14414 | ETHVTGGS AGRT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.053 | -0.053 | -0.051 | t | 130754 | CLKRSKLR C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.047 | 0.031 | 0.03 | t | 97104 | WVGVNLE DPASRDLV VSYVN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.057 | 0.05 | 0.06 | t | 130850 | GGIYQDLV S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.038 | 0.03 | 0.032 | t | 10888 | DYGGDSTT PRPRYNAT TYLP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.015 | t | 151679 | LAALTRTP VVSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.046 | 0.017 | 0.02 | t | 10990 | EAAKQGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.039 | 0.04 | t | 107815 | EIDGYNN QFKKSPLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.003 | -0.02 | -0.019 | t | 71346 | VTGSVVCT TAAGNVNI AIGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.006 | -0.011 | -0.008 | t | 27724 | INQAIDNI NNFINGCS VSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | 0 | t | 7188 | CTPATLLLC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.065 | -0.039 | -0.057 | -0.058 | t | 95431 | GSLAARVV | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.03 | t | 132839 | HSISLGATP TLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.02 | t | 79118 | WKSLPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0 | t | 13680 | EPKKDKKK KTDEAQPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.041 | 0.02 | 0.021 | t | 53467 | REDDQPSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.007 | -0.017 | -0.02 | t | 45013 | NMPASMK RVRIE | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.031 | t | 118391 | GVDQHDN GSRAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.009 | -0.01 | -0.01 | t | 70457 | VPQVRKET RASSR | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.009 | -0.01 | -0.01 | t | 70457 | VPQVRKET RASSR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.063 | -0.069 | -0.07 | t | 29757 | KAAPKRAA PKRAAPKK AAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.063 | -0.069 | -0.07 | t | 29757 | KAAPKRAA PKRAAPKK AAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.063 | -0.069 | -0.07 | t | 29757 | KAAPKRAA PKRAAPKK AAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.063 | -0.069 | -0.07 | t | 29757 | KAAPKRAA PKRAAPKK AAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.063 | -0.069 | -0.07 | t | 29757 | KAAPKRAA PKRAAPKK AAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0 | -0.007 | 0.001 | t | 144208 | AQAGGPD GAAAGGG | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.009 | -0.003 | 0 | t | 104368 | YSPANK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0.013 | -0.007 | -0.012 | t | 7349 | CYCYGVDP HIKVWDY | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.021 | -0.04 | -0.038 | t | 38584 | LPLPWLPG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.001 | -0.02 | -0.018 | t | 56519 | RYDSRPPE DVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 144809 | VLAPGGT HSRGLLE M | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.007 | 0.004 | t | 135921 | EVGWYRS PF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.004 | -0.01 | -0.009 | t | 56772 | SAFDDNLT AMNAMG LILNKR | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.008 | t | 18982 | GDGAAGQ PAGDGAA GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.007 | 0.02 | t | 79547 | FHQMPDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.037 | -0.03 | t | 125540 | QSLRQRKS VNALNSPL HQEY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.045 | -0.03 | -0.037 | -0.03 | t | 125540 | QSLRQRKS VNALNSPL HQEY | Cricetulu s migrator ius |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.009 | -0.009 | -0.008 | t | 55304 | RPQPTELR Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.021 | 0.009 | 0.01 | t | 76275 | YVFYSGNG PKASGGD YCIQS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.021 | 0.009 | 0.01 | t | 76275 | YVFYSGNG PKASGGD YCIQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.001 | -0.007 | -0.008 | t | 133871 | LAKLGGAG QAARAGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.013 | 0.003 | 0.003 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.024 | -0.04 | -0.04 | t | 22642 | GTERVRL ELFIYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.013 | -0.02 | -0.02 | t | 125212 | QHWSYGL RPGQHWS YGLRPG | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0.003 | t | 63931 | TGPGTNN PENPITES AHLNV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.009 | -0.008 | t | 78932 | ATRKTSER SQPRGRR QPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.02 | -0.003 | -0.001 | t | 13815 | EQEFLKYQ QQQQGGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.014 | -0.027 | -0.027 | t | 116697 | DVCNFASR NDYSYWL STP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.023 | -0.043 | -0.041 | t | 49795 | PTTRTDDK LR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.057 | 0.079 | 0.06 | 0.061 | t | 66072 | TRNTGQP ATDHYYSN V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.029 | 0.033 | 0.042 | t | 106450 | GFSPYPFQ LWTS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.013 | 0 | 0.011 | t | 98843 | KEGDVFIM PAAHPVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.012 | -0.003 | 0 | t | 47708 | PGNKKFVV NNLFFNGP CQPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.033 | -0.03 | t | 3652 | APLTRGSC RKRNRSP ER | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.05 | -0.047 | t | 118371 | GGGRDRD RDRGGG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.017 | 0.031 | t | 101962 | PEPVQEP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.02 | -0.042 | -0.039 | t | 156451 | SDATSWR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.014 | 0 | 0.002 | t | 10600 | DVGCAVD TERMELRC GEG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.021 | 0.03 | t | 78248 | PQSNLAKT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.036 | 0.058 | 0.04 | 0.04 | t | 93493 | NIQENTQT PTVQEEs | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.017 | t | 118826 | GSGKGAGI GLGVGGG VGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.003 | -0.02 | -0.02 | t | 30036 | KAYSNCYP YDVPDY | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.027 | -0.03 | -0.028 | t | 57644 | SETFTNKL KEKHTDLG KEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.01 | -0.029 | -0.03 | t | 47806 | PHDIDLGE SRVVIQDY DNQH | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.04 | -0.04 | -0.01 | -0.042 | -0.03 | t | 97997 | ELSGGQM RRVAIAGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.057 | -0.05 | t | 114203 | ENPVVHFF FNIVTPRT P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.009 | t | 67164 | TVSRVPW TAWAFHG Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.004 | t | 127952 | DYMTQAR GQRSSLA ED | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.002 | -0.01 | -0.008 | t | 34040 | KVIDTLTC GFADLMG YIPLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.019 | -0.02 | t | 103892 | ERYWLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.012 | -0.03 | -0.026 | t | 149323 | GLLGPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.01 | t | 127904 | YPMSWRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.019 | t | 113342 | DSYFRGAP KLLYVRLS HNSL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.017 | 0.029 | t | 55723 | RRRPFYHS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.037 | 0.04 | t | 107887 | HKTTTSPD YTTAVGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.007 | -0.023 | -0.022 | t | 73580 | YDRNMYL N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.007 | 0 | t | 115831 | KSGHRTQ DENP | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0 | t | 115831 | KSGHRTQ DENP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.063 | -0.079 | -0.08 | t | 81211 | DPLKIKRV HA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.032 | -0.047 | -0.048 | t | 78140 | EIMDLDN RHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.003 | -0.011 | -0.008 | t | 47063 | PDCAICWE PSPPWAP E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.068 | -0.081 | -0.08 | t | 142470 | RRGRRALR GTAG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.019 | 0.03 | t | 104183 | PQQMRN N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 80002 | RKADLEKA LEGAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 10433 | DTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 7629 | DARSVNG EFPRHVKL KNEIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.035 | 0.01 | 0.008 | t | 64391 | TINGLART TADRQTA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.02 | -0.017 | t | 94575 | KVLTTGLP ALISW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.009 | t | 31816 | KLEGGGK DIREGGDG DIDRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.01 | -0.008 | -0.009 | t | 22949 | GVELNDK NQFKLTSS ANSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.038 | 0.017 | 0.02 | t | 53409 | RDPYSPSQ DPYSPSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.004 | t | 16956 | FLVNAWK SKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.011 | -0.01 | t | 7629 | DARSVNG EFPRHVKL KNEIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.017 | t | 131194 | ALGAQKE AISPPDAA SAAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.019 | -0.023 | -0.01 | t | 79566 | HGLHLPV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.017 | 0 | 0 | t | 42187 | MNALVNS TLLETRTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.009 | -0.03 | -0.03 | t | 92778 | GALRNYIG ESSPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.011 | t | 119582 | GLQLIQLIN VDEVNQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.01 | -0.019 | -0.014 | t | 56330 | RVKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 116729 | GKGRGLSL SRFSWGG RDSRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.01 | -0.007 | t | 2193 | AKGHSLPR LVTS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.028 | 0.01 | 0.009 | t | 31383 | KIPDPPQP DFPQLNSD WVPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.009 | -0.013 | 0 | t | 79568 | HWSPPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.024 | -0.02 | t | 108125 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.017 | 0.003 | 0 | t | 47341 | PELDSFKE ELDKYFKN H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.017 | 0.003 | 0 | t | 47341 | PELDSFKE ELDKYFKN H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.035 | 0.01 | 0.01 | t | 51822 | QPFQPQPEL PYPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.022 | 0.031 | t | 122401 | HSEAETGP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.035 | 0.01 | 0.01 | t | 38945 | LQPGDDPL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.017 | -0.021 | -0.019 | t | 19297 | GEIIWTLQ DTQEIKQR VVF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.012 | -0.01 | -0.01 | t | 4079 | AQTASGLV SM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.024 | -0.024 | t | 108200 | VSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.003 | -0.009 | -0.007 | t | 39998 | LTKSGSTY PVLNVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.024 | -0.03 | -0.027 | t | 59381 | SLPEFRLH ALLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.04 | -0.063 | -0.06 | t | 45967 | NSSARGW VIH | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.033 | -0.049 | -0.047 | t | 8939 | DKLYIWGV HHPSTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.024 | -0.039 | -0.04 | t | 49116 | PQRKTKR NTNRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.027 | -0.028 | t | 58829 | SKFTEPVK DVMIKSLP ALN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.031 | -0.04 | -0.038 | t | 7424 | CYPKLGAL THC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.106 | -0.095 | -0.109 | -0.11 | t | 45616 | NQRKKAR N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.027 | -0.021 | t | 132943 | WQNVSHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.055 | 0.03 | 0.029 | t | 133669 | QQQQQQ QQQQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.007 | t | 138886 | NVGGDNV DIHSIVPV GQDPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.007 | t | 118058 | PPPGIRGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0.007 | t | 118058 | PPPGIRGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0.007 | t | 118060 | PPPGMRP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0.007 | t | 117344 | PPGMRPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.007 | t | 117344 | PPGMRPP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.017 | -0.009 | t | 144599 | CNGTHPSL RLC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.032 | -0.05 | -0.051 | t | 122044 | WSSYMVH WKN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.005 | -0.038 | -0.043 | t | 149350 | KRIHIGPG RAFYTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.011 | 0.02 | t | 106440 | GDKLTLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.032 | 0.027 | 0.03 | t | 108031 | MGTVLLP NGEFSIEN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.02 | t | 11543 | EEDEREISV PAEIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.057 | -0.05 | t | 119613 | LSLSRFSW GAEGQRP GFGYG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.042 | -0.057 | -0.06 | t | 65563 | TPERPRLR LVDADDPL LRTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.006 | -0.02 | -0.019 | t | 105209 | GDRSGYSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.023 | -0.02 | t | 97170 | ADQELGD APFLDRLR RDQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.012 | -0.021 | -0.022 | t | 26167 | IFSQNMNI KLKMP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0 | -0.017 | -0.02 | t | 20552 | GKENALLP NW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.02 | 0.01 | 0.013 | t | 134078 | GYYPSPDP NTFYAPPY Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.034 | 0.027 | 0.034 | t | 139829 | MKERESQI RDEYDHVL SA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.009 | -0.003 | t | 136518 | MVRKGEK KLAKP | Dicentra rchus labrax |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 122562 | RRQPHVV SQW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.022 | -0.016 | t | 10983 | EEAAPVVE SKWRAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.034 | -0.049 | -0.05 | t | 157193 | EGEWQDG KMHGKGT | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.016 | -0.03 | -0.03 | t | 41979 | MLKRNKIY FMQRQD | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.026 | 0.011 | 0.01 | t | 38193 | LNDRVVV APDKEILYE AFDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.033 | 0.007 | 0.008 | t | 5969 | CADGYTAE TINEAIKIC G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.019 | 0.001 | 0.002 | t | 55304 | RPQPTELR Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0.007 | t | 117140 | DWEYSVW LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.004 | -0.017 | -0.02 | t | 33776 | KTMIRFGD VGLDLDFS AFDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0 | 0.001 | t | 118371 | GGGRDRD RDRGGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.029 | -0.03 | t | 57162 | SDANDKA KKPAGKGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.045 | 0.01 | 0.008 | t | 61560 | STDPAATD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.045 | 0.01 | 0.008 | t | 61560 | STDPAATD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.04 | -0.051 | -0.048 | t | 50360 | QASRNTSK AI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.062 | 0.067 | 0.061 | 0.062 | t | 8131 | DEQEQQE EQEQQEE QEQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.007 | t | 122871 | PETQPGPL TLELQIAK DK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.074 | -0.057 | -0.073 | -0.07 | t | 142292 | SHLQLIYNL TLCELNGT DW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.017 | -0.02 | t | 134237 | SQWN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.026 | -0.037 | -0.04 | t | 75951 | YTASARGD LAHLTTTH AR | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 121843 | SGLGLFPY SSFIWSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 116846 | TPSYVSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.024 | -0.04 | -0.04 | t | 49116 | PQRKTKR NTNRR | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.017 | -0.003 | -0.002 | t | 96969 | TLKYFETRY IRVDIAAPI LS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.009 | 0.02 | 0.022 | t | 107031 | YTQKHKH QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.092 | -0.09 | -0.097 | -0.088 | t | 120156 | QRLMRYW ANF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.017 | 0.031 | 0.01 | 0.012 | t | 95759 | RGDLQVL A | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.014 | -0.03 | -0.028 | t | 62091 | SVDWTKA TVDGVQV KT | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | 0 | 0.008 | t | 145746 | DPEIVMHS F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.01 | -0.033 | -0.029 | t | 70542 | VQDLMKS SGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.005 | -0.033 | -0.033 | t | 105114 | AYNHFGK RLDQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.046 | -0.022 | -0.041 | -0.04 | t | 53202 | RASANLAA TKMSECVL G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.023 | -0.03 | -0.03 | t | 42546 | MSESHVKI SRTIIRGTS PST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.058 | -0.067 | -0.055 | t | 122536 | QAQIHGP R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.01 | -0.02 | -0.018 | t | 67972 | VDHFHLG DDMDPEL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.02 | t | 119601 | KGNNVHG FQKQIIRSF Y | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0.01 | t | 137415 | HAPRYHY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.006 | 0 | 0.009 | t | 79606 | LPYTMWV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.068 | 0.05 | 0.05 | t | 93493 | NIQENTQT PTVQEEs | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.04 | 0.021 | 0.02 | t | 57737 | SFDASQST MA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.007 | t | 108607 | RGAQGPP GATGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.007 | t | 106656 | MPGERGA AGIAGPK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.007 | t | 46317 | NTWTTCCQ SIAFPSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.007 | t | 23599 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.012 | -0.013 | -0.008 | t | 30334 | KEDVPSER YLGYLEQL LRLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.03 | 0.01 | 0.012 | t | 30853 | KFSISIDQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.023 | 0.033 | t | 158588 | FERVPGEV T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.012 | t | 119671 | WLNGKEY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.003 | t | 3693 | APPPPEHR GGPEEFEG AGDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.019 | 0.011 | 0.012 | t | 51867 | QPKVDAN ADEEAEAV GEDDL | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.028 | 0.007 | 0.01 | t | 36579 | LIKNQCVN FNFNGLTG T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.028 | 0.007 | 0.01 | t | 36579 | LIKNQCVN FNFNGLTG T | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.024 | 0.013 | 0.012 | t | 5387 | AVIRRANN VLKNEMK RYKGL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.011 | 0.012 | t | 65774 | TPSPVVVG TTDRSGAP TYSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.034 | -0.051 | -0.05 | t | 883 | AEELTPGR FRTIVC | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.027 | -0.029 | t | 17262 | FPCDRLSG YWERGIPS PCVR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.007 | -0.01 | 0 | t | 19527 | GFFSRLN WLTKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.007 | -0.009 | -0.01 | t | 104017 | KTKRNTNR RPQDVKEP GGGQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.007 | 0.002 | t | 62141 | SVGHMTG RFTSLFSV G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.068 | 0.09 | 0.069 | 0.073 | t | 38214 | LNFGQTG DADSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.025 | 0 | 0 | t | 22361 | GSGVRGD SGSLALRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.005 | -0.023 | -0.022 | t | 97075 | VSCYGKTK CTASNKNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.034 | -0.05 | -0.05 | t | 57812 | SFKVTALN VVSRRYLA SLHK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.029 | 0.02 | 0.02 | t | 745 | ADPQKQN SVSNDSTV INVYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.01 | -0.03 | -0.028 | t | 48967 | PQAMQW NSTAFH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.032 | 0.007 | 0.01 | t | 94625 | NPACGRH YSC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.011 | 0.019 | t | 133525 | ATWYEW NPPWVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.002 | -0.019 | -0.018 | t | 149511 | VLGVAPSA SLYAVKV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0 | t | 19095 | GDRADGQ AAGDRAD GQAA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.001 | 0 | t | 4733 | ASRAALIEE GQRIAEM LKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.02 | -0.041 | -0.042 | t | 43589 | NEECTKLK GESGYCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.012 | -0.021 | -0.018 | t | 58770 | SIYQGHIT GHRMAW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.017 | -0.02 | t | 33043 | KQNIQLIN TNGSWH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.012 | t | 79366 | RDAVMI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.052 | 0.06 | 0.06 | 0.072 | t | 156756 | SGPSYTT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.032 | 0.011 | 0.012 | t | 53436 | RDVSRITFF Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.045 | -0.061 | -0.06 | t | 70544 | VQECNCSI YPGHVTG HRMAW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.045 | -0.061 | -0.06 | t | 70544 | VQECNCSI YPGHVTG HRMAW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.031 | 0.013 | 0.01 | t | 88362 | SAGTGALA SSAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.012 | -0.03 | -0.03 | t | 64876 | TLKKGSSG YCAWPAC | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | 0 | t | 79038 | PFWLSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.029 | -0.043 | -0.05 | t | 20011 | GGSGGRG RGGSGGR GRGGSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.048 | t | 132640 | RTDDKMR MHSHLSH H | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.004 | 0 | 0.002 | t | 48993 | PQEQTQH GSPYGRCA NK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0 | t | 144809 | VLAPGGT HSRGLLE M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.026 | 0.003 | 0.011 | t | 136009 | VLVGEKGL FEGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.013 | -0.031 | -0.03 | t | 120650 | ITVVVINT HHRSPSTH TM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.033 | -0.03 | t | 87356 | PNCHGPD WASPVQC RHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.015 | -0.007 | -0.008 | t | 36940 | LKLKSIVS WAKKVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.015 | -0.007 | -0.008 | t | 36940 | LKLKSIVS WAKKVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.036 | -0.034 | t | 138196 | KLTSSLRC NCPPLRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.007 | -0.021 | -0.02 | t | 44250 | NIIRTKKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.015 | 0 | 0.004 | t | 100349 | NPSIFYTYG AAPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.003 | -0.001 | t | 138159 | DTWPTAR LTSSMQYI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.019 | t | 132887 | PYGLLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.028 | t | 103998 | IVKWDRD M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.004 | -0.02 | -0.018 | t | 53595 | RENMYRY PNQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.045 | -0.051 | -0.048 | t | 122599 | SVRLALRN DSACNPV MA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.005 | -0.027 | -0.022 | t | 108357 | EVVPHKK MHKDFLE KIGGL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.007 | -0.008 | t | 115902 | PRSPPRSE RQPRSPPR SERQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.03 | -0.027 | t | 142480 | VAAVTEKL RAGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.023 | -0.018 | t | 94738 | WAICKRIP NKKP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.038 | -0.05 | -0.05 | t | 10323 | DTDVLLLN NTRPPQG NWFGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | t | 79403 | SVGDYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.08 | 0.078 | 0.086 | 0.073 | 0.089 | t | 144888 | FLPTLEEN KGFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.008 | t | 10227 | DSSAHGTP STPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0 | 0.002 | t | 112315 | SHGRTQD ENPVVHFF KNIVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.018 | 0.009 | 0.013 | t | 41175 | MAYGSDD NDDKNKS LDHKHN | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.054 | -0.07 | -0.07 | t | 60443 | SQGRWPP WR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.012 | -0.033 | -0.032 | t | 60532 | SQQIKMA NKKMKKE Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.031 | -0.039 | -0.04 | t | 51074 | QIGYYRRA TRRVGG DGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.061 | 0.04 | 0.039 | t | 46833 | PAIVPDKE VLYQQYDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0.006 | 0.007 | t | 113167 | SIAFPSKTS ASIGSL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.035 | -0.061 | -0.062 | t | 130810 | EPWWSM H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.04 | t | 127695 | IISGKDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.03 | t | 22662 | GTGKRNQI TITNDKGR LSKD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.004 | -0.029 | -0.028 | t | 9633 | DPFFPWP RTTFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.033 | -0.03 | t | 3614 | APKATTDE QKMIEKIN VGFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.018 | -0.027 | -0.021 | t | 112123 | GERGAAGI AGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.005 | -0.01 | -0.01 | t | 19098 | GDRADGQ PAGDRAD GQPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.007 | t | 133580 | GFLSSCNF RFCELVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.023 | -0.03 | -0.029 | t | 159288 | LLHYSTISQ DNLDISFG ELQ | Aotus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.04 | 0.019 | 0.018 | t | 96263 | EQRLKEEE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.04 | 0.019 | 0.018 | t | 96263 | EQRLKEEE ED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.022 | 0.013 | 0.02 | t | 112191 | KYLATAST MDHARH GFLPRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.016 | -0.011 | 0 | t | 39182 | LRRDLAS REAKKQVE KAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.01 | -0.027 | -0.028 | t | 16487 | FKYSNYVC LLWRTPS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.002 | 0.008 | 0.01 | 0.015 | t | 156977 | YGAPEITK DGYKVIKSI K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.045 | 0.019 | 0.019 | t | 84423 | KKGLQQL QEWEDW VGWIGN | Felis catus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.03 | 0.02 | 0.025 | t | 55932 | RSQQTII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.007 | t | 122083 | DPNIKLV DDCWATS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.061 | 0.04 | 0.039 | t | 46835 | PAIVPDRE VLYQDFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | 0.001 | 0.01 | t | 79012 | LDWLQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.007 | -0.003 | t | 62514 | SYAPCSLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.038 | 0.019 | 0.02 | t | 29138 | ITVNPIVTE KDSPVNIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.038 | 0.019 | 0.02 | t | 29138 | ITVNPIVTE KDSPVNIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.015 | -0.003 | -0.009 | t | 130808 | ENEPPVW TTESKLQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.023 | -0.051 | -0.05 | t | 61833 | STPPVPPP SVSRRKP | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.021 | -0.039 | -0.04 | t | 70527 | VQAPNYT QHTSSMR GVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.003 | -0.009 | -0.008 | t | 75528 | YQPIDVVR DLPSGFNT L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.041 | -0.047 | -0.034 | t | 125529 | PVEGPAVI CRCC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.015 | 0 | 0 | t | 98437 | SAPRHKFQ QVEEANL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.025 | -0.04 | -0.04 | t | 98329 | PGKKIKNK NPEKPHF | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.027 | -0.003 | 0.001 | t | 18100 | FTWGGLR DKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.023 | -0.017 | t | 106908 | TIDVPSNC HTHEGGQ LHCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | 0.008 | -0.013 | -0.008 | t | 49137 | PQTTKPKE VPTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | -0.006 | 0.002 | t | 3983 | AQKFNGLT VLPLLTD D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.024 | -0.039 | -0.04 | t | 12218 | EGLLLDV TPLTLGIET AGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.03 | -0.04 | -0.04 | t | 50867 | QGGGTHS QWNKPSK PKTNMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.061 | 0.04 | 0.039 | t | 46834 | PAIVPDRE LLYQEFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.035 | -0.037 | -0.038 | t | 61476 | SSWVNRG ESSRKAYD HNSPY | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.009 | 0 | t | 78942 | CTLSVFGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.052 | 0.041 | 0.04 | t | 15176 | FAGDSDSS SSADDAA GKATV | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.047 | 0.03 | 0.03 | t | 97104 | WVGVNLE DPASRDLV VSYVN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.016 | t | 146031 | TLAPVRPP LTVGPVGP SDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.017 | -0.007 | -0.01 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.017 | -0.007 | -0.01 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0.001 | 0.006 | t | 136136 | APDGAVF QLDRP | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.007 | 0 | t | 132942 | WGTNSEV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.02 | -0.019 | t | 52813 | QVVMKS KNDQGIT NKCKM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.032 | 0.007 | 0.012 | t | 13624 | EPDKSII | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.01 | -0.011 | -0.01 | t | 52660 | QTVSALED KLADYK | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.017 | -0.01 | -0.011 | t | 43232 | NANNPD WDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.03 | t | 34963 | LASLCNPK PSDAPVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 34963 | LASLCNPK PSDAPVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.02 | t | 141602 | AHFNGSLR SLTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.019 | -0.001 | 0 | t | 13680 | EPKKDKKK KTDEAQPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.019 | -0.001 | 0 | t | 13680 | EPKKDKKK KTDEAQPL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.003 | 0.001 | t | 131876 | FAKANKQ VCTDI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.004 | -0.029 | -0.03 | t | 44844 | NLPSTETR HVTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0.001 | t | 144656 | GPTHAMF DSSGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.019 | -0.027 | -0.03 | -0.025 | t | 59807 | SNDVSWH EWKRMYN KEYNG | Rattus rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.022 | t | 53162 | RALSMPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.031 | -0.037 | -0.038 | t | 110760 | ACKDSDW PFCSDDED WDWPFC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.02 | t | 49649 | PTHYFGSP M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.03 | 0.041 | t | 98850 | KKGSEEEG DITNPIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.017 | -0.018 | t | 72133 | VYPPSSTA KSSVSNAP PVAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.061 | 0.041 | 0.04 | t | 53435 | RDVSDFTD SVRDPKTS EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | -0.001 | 0.002 | t | 41826 | MKHM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.017 | -0.009 | t | 144599 | CNGTHPSL RLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.013 | -0.03 | -0.027 | t | 155291 | NNAYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.015 | -0.029 | -0.028 | t | 72039 | VYHGAGS KTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.055 | 0.02 | 0.022 | t | 99055 | WQDCC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.03 | t | 34972 | LASSVKSA EVGCAGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.028 | 0.02 | 0.022 | t | 72241 | WALQGKR RGALIDFE | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | 0 | 0.002 | t | 127187 | TDAQRREL EKHLSRVIC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.073 | 0.06 | 0.061 | t | 104472 | ELLEKTVK DKIAKEQE NKET | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.025 | 0.003 | 0 | t | 13670 | EPIRDALN AMTQ NIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.01 | t | 70847 | VRVLWGG FSRLSLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.02 | -0.019 | -0.01 | t | 70847 | VRVLWGG FSRLSLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.001 | -0.003 | 0.01 | t | 79565 | HFTTRLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 137450 | SHRLPLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.034 | -0.043 | -0.04 | t | 66094 | TRRVRGG DGKMKEL SPRW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.012 | -0.011 | -0.01 | t | 72342 | WEDRYR ENMYRYP N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.021 | -0.037 | -0.041 | t | 25219 | IAAEQDRN TREVFAQV K | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.01 | -0.011 | -0.01 | t | 74374 | YISPYFINT S | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.01 | -0.011 | -0.01 | t | 74374 | YISPYFINT S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.007 | 0.008 | t | 125370 | CDDPRFQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | -0.003 | 0.01 | t | 78393 | GDYLIDQGG L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.006 | -0.001 | t | 70541 | VQDKYGR VCYGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.026 | 0 | 0 | t | 61971 | STVGMTPT KYCGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.027 | -0.001 | 0 | t | 4810 | ASTTNCIG SQCLMTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.011 | t | 158940 | KTQSQGP WDEGRVE ID | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.021 | t | 120412 | ASKEKQEN KIFADDIDI SD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.068 | 0.04 | 0.041 | t | 102004 | QPD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.011 | t | 132927 | WGANVPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.01 | t | 144613 | DKKVILFAL PGAFTPVC SAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.007 | t | 137421 | HSPRYHSE PQFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.047 | -0.048 | t | 78253 | QGCGGRG WAFSATG AIEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.001 | 0.01 | 0.02 | t | 79285 | LDPEYWN FRNGDLT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.033 | -0.047 | -0.05 | t | 111033 | STYDRDN DGWLTSD PRKQCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | 0.002 | t | 106855 | SMFTKYPT QLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.011 | -0.007 | t | 138928 | VTELGRPD AEYWNSQ KDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.006 | -0.02 | -0.02 | t | 20063 | GGVAGLF KMGSQQK L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | -0.003 | 0.004 | t | 135921 | EVGWYRS PF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.006 | -0.009 | -0.01 | t | 29817 | KAHPPLLL NSPRDVPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.012 | -0.027 | -0.032 | t | 22921 | GVATKGL GVHAKSS DWG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0.001 | t | 66257 | TSHHDSH GLHRV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 130787 | EDFDIYDE DE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 99922 | DAEFRHDS GY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 105207 | GAIIGLMV GGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 107307 | DAEFGHD SGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 65121 | TLVERW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 70390 | VPNLRGDL QVLAQKV ART | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 70390 | VPNLRGDL QVLAQKV ART | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 54058 | RHKQKIVA PVKQTL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 40029 | LTLSDLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 54058 | RHKQKIVA PVKQTL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 11819 | EENVEHD A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 8010 | DEIDKYIQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.033 | -0.047 | -0.05 | t | 52389 | QSNQRSA PRITFGGP TDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.025 | 0 | 0 | t | 45659 | NRDFVE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.027 | -0.001 | -0.001 | t | 55037 | RNNHPQN TSDSQKEA TDGNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.02 | 0.012 | t | 12994 | ELDQENEA ALENGIKN EENT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.013 | 0.02 | t | 112152 | HHPARTA HYGSLPQK SHGRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.001 | -0.02 | -0.02 | t | 49454 | PSPAPSRP FSVLRAND V | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.022 | 0.001 | 0.002 | t | 128065 | NPPLVET WKKPDYE PP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.017 | 0.003 | 0.001 | t | 110834 | EQLKGQG KSRLGDLY EEEMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.007 | 0.007 | t | 138193 | HTYTSHLR YVPPISL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.01 | -0.011 | -0.011 | t | 60596 | SQWNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.027 | -0.029 | t | 17262 | FPCDRLSG YWERGIPS PCVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.018 | t | 75440 | YPYCGHAL CPGLYADA S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.04 | t | 108355 | EVAHPSVP L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.034 | 0.01 | 0.011 | t | 156546 | STEDSGLT GVKDSSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.043 | -0.059 | -0.06 | t | 223 | AAIGLSMA GSSAMILA AYHP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.003 | -0.03 | -0.03 | t | 62050 | SVARTRGL YDDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.017 | -0.007 | t | 158606 | RRALPPVS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.024 | -0.051 | -0.052 | t | 48739 | PPACCNGI RTINGLA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.039 | 0.02 | 0.02 | t | 4471 | ASIDWREY GYVTEVKD QGNC | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 79291 | LIPFNS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.011 | -0.023 | -0.019 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.011 | -0.023 | -0.019 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.023 | -0.019 | t | 34612 | KYTMFHYL RAQEFEH GKSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.026 | 0 | 0.002 | t | 15468 | FDTGAFDP DWPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.026 | 0 | 0.002 | t | 15468 | FDTGAFDP DWPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.009 | -0.007 | 0 | t | 78274 | TDLRYL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.019 | -0.019 | t | 48437 | PLPEARLL DLSSWF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.008 | -0.03 | -0.03 | t | 31668 | KKPTFKTT KKDH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.015 | -0.033 | -0.03 | t | 29868 | KALPMHIR LSFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.015 | -0.033 | -0.03 | t | 29868 | KALPMHIR LSFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.002 | -0.036 | -0.031 | -0.02 | t | 141557 | PTTRKWW LKLDG | Rattus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.028 | t | 79525 | CKMWAD AFTSSRGK VVECG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.024 | -0.03 | -0.028 | t | 79525 | CKMWAD AFTSSRGK VVECG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.03 | -0.028 | t | 79525 | CKMWAD AFTSSRGK VVECG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 106651 | MHSPLPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.032 | t | 106450 | GFSPYPFQ LWTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.031 | -0.05 | -0.048 | t | 22230 | GRVCLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.019 | -0.022 | t | 68567 | VFSPAASS CHNASGK EAKVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.022 | 0.031 | 0.01 | 0.011 | t | 56189 | RTTDFKRE MSTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0.002 | t | 63758 | TFTNPVVS TTQWSAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.021 | -0.02 | t | 17388 | FPRPGGG GNGDFEEI PEEYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.004 | 0 | 0.007 | t | 8839 | DKAKADA ELAAANDT IA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.048 | -0.067 | -0.068 | t | 104056 | LSVPWVLI FMVSRRR CRRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.002 | -0.02 | -0.021 | t | 90527 | VWDEWS PVSTAVA MGTRSRK | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.017 | -0.007 | -0.01 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.017 | -0.007 | -0.01 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.021 | 0.023 | 0.03 | t | 78272 | STLSKS | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.011 | -0.007 | t | 2193 | AKGHSLPR LVTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.002 | -0.021 | -0.018 | t | 48238 | PKYVKQNT LKLATG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.032 | 0.023 | 0.023 | t | 115664 | YGSLPQKA QGHRPQD ENG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.034 | -0.051 | -0.049 | t | 69271 | VKMAETC PIFYDVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.014 | 0.003 | 0.012 | t | 114947 | SHGRTQD EN | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.004 | -0.02 | -0.018 | t | 62091 | SVDWTKA TVDGVQV KT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.02 | t | 119613 | LSLSRFSW GAEGQRP GFGYG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.007 | 0.007 | 0.009 | t | 136751 | YCWLRQ AALQRRLS AMEKG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.01 | -0.007 | t | 39998 | LTKSGSTY PVLNVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 118963 | PNYKVVV YAVTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.007 | -0.017 | -0.02 | t | 14949 | EWRRYMS DIHGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.024 | -0.04 | -0.04 | t | 22642 | GTERVRL ELFIYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 131194 | ALGAQKE AISPPDAA SAAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 65996 | TRAPRREE LEWDDDED H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 24224 | HLHRFFSS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.033 | -0.05 | -0.047 | t | 8939 | DKLYIWGV HHPSTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.008 | t | 130635 | WGPRVIFE DVTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 130635 | WGPRVIFE DVTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 130634 | WEWDWP RIELNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.008 | t | 130471 | DWPAVIFE DTRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.008 | t | 130636 | WPQIWFD DEEDV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 108345 | ENPKKYIP GTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 108666 | TRCAQCH TLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 21851 | GQCKWV NGREICND RDRPTA | Macaca fuscata |
| 1 | 1.00 | 1 | 1 | 0 | 0.019 | 0 | 0 | 0.008 | t | 21851 | GQCKWV NGREICND RDRPTA | Macaca fuscata |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 751 | ADPVTTEG DYVVKISEF YGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 6249 | CFPYCYP ESA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.047 | -0.038 | t | 118204 | VKQSHGK SL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.015 | -0.04 | -0.043 | t | 38973 | LQRFNQRS PQLQNLR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.01 | t | 25219 | IAAEQDRN TREVFAQV K | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.029 | t | 122035 | WNPADYG GIKWNP DYGGIK | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.017 | -0.013 | t | 130980 | NCAYKTTQ ANKQAQI HGPR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | 0.001 | -0.02 | -0.02 | t | 48641 | PNGNVPA GVTPSKYG LGGD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | 0.001 | -0.02 | -0.02 | t | 48641 | PNGNVPA GVTPSKYG LGGD | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.047 | -0.057 | -0.057 | t | 19614 | GFRPKRLN FKLFNIQV KEVT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0.009 | t | 3936 | AQAFDYV PAWVV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | t | 106428 | FVEIYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.001 | -0.009 | -0.01 | t | 58629 | SIMRGQS MSLANQQ MTAERV | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.048 | -0.08 | -0.082 | t | 80095 | VVHFFKNI VTPRT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.047 | 0.031 | 0.03 | t | 33831 | KTQIDQVE STAGSLQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.019 | 0.041 | 0.02 | 0.02 | t | 27627 | INEYTTGP STPCPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 77952 | LQSPTGLT NYFL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.008 | -0.01 | -0.008 | t | 110840 | EVTIGDIEE PPILEVVPE TH | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.024 | -0.04 | -0.041 | t | 53498 | REFSPRGQ HSRRERA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.019 | t | 140605 | TLYDALGA V | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.002 | -0.02 | -0.021 | t | 90528 | VWDEWS PVSTAVG MGTRSRK | Aotus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.055 | -0.057 | -0.058 | t | 115902 | PRSPPRSE RQPRSPPR SERQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0.002 | t | 55304 | RPQPTELRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0.002 | t | 55304 | RPQPTELRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.007 | t | 108200 | VSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 137451 | SHRLPVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.009 | 0.02 | t | 79671 | VLPDSVW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.023 | 0.03 | t | 97029 | VDLSYLAP KNPGTGP AFTII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.013 | -0.029 | -0.028 | t | 103977 | HSYSPGEI NRVASCLR KLGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.025 | -0.009 | 0.001 | t | 32862 | KPRDTLPP PLNRPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.001 | -0.021 | -0.02 | t | 119642 | SEHETRLV ANLLENYN KVIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.026 | -0.043 | -0.038 | t | 51079 | QIICLAVL WV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.037 | 0.03 | 0.04 | t | 59688 | SMITDLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | -0.009 | -0.021 | -0.018 | t | 52484 | QTAVDDA EAAAKCR HCI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.001 | 0 | t | 112835 | RTTHYGSL PQKSQHG RTQDE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.02 | -0.04 | -0.043 | t | 136092 | YKSQYLNN GPQRIGRK YKK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.03 | 0.01 | 0.01 | t | 7885 | DDVNKNT LQARQQT | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 134988 | GPPGARG LTGRPGDA GPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.003 | t | 62147 | SVGPPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 142435 | KTDGKGEE SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.008 | t | 44852 | NLQKDEP NGRASDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.018 | -0.006 | -0.01 | t | 67651 | VAKQHVR DGRKDSLD GF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.007 | -0.02 | -0.017 | t | 94575 | KVLTTGLP ALISW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.012 | 0.003 | 0.01 | t | 127645 | EVDNGNF VHCEESGK LVLVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | 0.009 | -0.017 | -0.02 | t | 48311 | PLERQKPL KVRACL | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.011 | -0.007 | t | 130462 | CYFTNMF ATWCAAC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.034 | 0.036 | 0.021 | 0.02 | t | 36126 | LGGKPALV PDKEVLYQ QYDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.039 | 0.02 | 0.02 | t | 22481 | GSRGGSQ ASSRSSR | Macaca cyclopis |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.013 | -0.008 | t | 64882 | TLKQAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.003 | -0.017 | -0.02 | t | 12901 | EKVTGTDL ELIQILKDH YNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.029 | 0.01 | 0.01 | t | 11038 | EAEVQIDR LITGRLQSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.013 | 0.013 | 0.031 | t | 113062 | KYDDYVAT LS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.007 | -0.01 | -0.007 | t | 46886 | PAPNIASHI SSISARTG DP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.016 | t | 59106 | SLFSSGAQ QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.018 | -0.01 | -0.01 | t | 102879 | VDDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.017 | -0.033 | -0.029 | t | 67164 | TVSRVPW TAWAFHG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.033 | -0.047 | -0.047 | t | 75885 | YRSWLM KAHGLELG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0 | 0.01 | 0.022 | t | 120406 | APDMFEY MNK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.005 | -0.032 | -0.032 | t | 105114 | AYNHFGK RLDQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.049 | 0.029 | 0.03 | t | 39092 | LRGDLQVL AQKVARTL | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | -0.01 | -0.01 | 0 | t | 17886 | FSYAHMK KPRPMSSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | 0.017 | -0.01 | -0.011 | t | 41726 | MIKAAFLP TGAFKADR YKSH | Aotus nancymae |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.019 | 0.01 | 0.012 | t | 51867 | QPKVDAN ADEEAEAV GEDDL | Mesocric etus auratus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.037 | 0.039 | t | 104950 | QGERSGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.017 | -0.039 | -0.04 | t | 71165 | VSTRGRIP ADVIDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.047 | -0.039 | t | 132233 | DSGCVIN WKGRELK C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.007 | 0.001 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.003 | -0.007 | 0.001 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 111794 | SPIAPPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0.009 | t | 50637 | QELDCWH YQHCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.013 | 0.001 | 0 | t | 49968 | PVSMAKT SVDCNMYI CGDS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.01 | t | 75044 | YMDLGМК | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.01 | -0.023 | -0.02 | t | 95421 | GPGRGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.009 | 0.01 | t | 77954 | LVVMVVA PLTVNTEG APQIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.033 | -0.051 | -0.05 | t | 96103 | APPLLPHS NLDHI | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.02 | t | 108650 | TFRDLHQ QQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.059 | 0.063 | 0.072 | t | 106487 | GTSTEVWL APDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.02 | -0.018 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.02 | -0.018 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | 0.009 | -0.017 | -0.02 | t | 49756 | PTPVNPST APAPAPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.02 | -0.011 | t | 115236 | ERLHSMKE GIHAQQK EPMIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.032 | -0.05 | -0.048 | t | 45719 | NRPRWVK EA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.034 | 0.014 | 0.02 | t | 68322 | VEQKHIQK EDVPSERY LGYL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | 0.001 | 0.003 | t | 149530 | YDCNTAAT DATRWQI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.03 | -0.03 | t | 51296 | QLCQLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.03 | 0.032 | t | 144601 | CSGTHPSIS SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.023 | 0.032 | t | 111182 | CYETGPW AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.019 | 0 | -0.001 | t | 45433 | NPNNNAA TVLQLPQG TTLPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.014 | -0.03 | -0.03 | t | 10064 | DRVVKEM RRQLEMID KLTT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.012 | -0.031 | -0.026 | t | 149323 | GLLGPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.036 | -0.053 | -0.05 | t | 56749 | SAEERLHS MK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.036 | -0.053 | -0.05 | t | 56749 | SAEERLHS MK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.007 | 0.02 | t | 79592 | KSFNSPH | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.015 | -0.008 | 0 | t | 38718 | LPSPFHPY GTSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.003 | 0.01 | 0.02 | t | 141534 | DRMNLQT LRGY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | -0.002 | t | 4397 | ASFEAQQ ALANIAVD KA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.03 | 0.033 | t | 44468 | NKCKMNL QDNNGN DIGFIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.062 | 0.039 | 0.04 | t | 31009 | KGLTNLFS LGSQQKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0.001 | 0.01 | t | 14205 | ESLPTFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.009 | -0.007 | -0.001 | t | 141786 | YGEESRR GDLAALAR RV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0.009 | t | 24749 | HSYHKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.003 | -0.019 | -0.02 | t | 45250 | NNSPAVYL LDGLRAQ DDYNG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.013 | -0.04 | -0.04 | t | 78556 | VPKLIAGSS SLAPLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.029 | t | 108298 | CKYSMSKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.007 | -0.017 | -0.02 | t | 45013 | NMPASMK RVRIE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.013 | -0.021 | -0.02 | t | 66649 | TTIHELLVR MKRAELYC PRP | Oryctola gus cunicu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.021 | -0.02 | t | 66649 | TTIHELLVR MKRAELYC PRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.021 | -0.02 | t | 66649 | TTIHELLVR MKRAELYC PRP | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.02 | -0.03 | -0.027 | t | 13972 | ERDPANIP WDKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.029 | -0.018 | t | 131306 | REKAKW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.07 | -0.077 | -0.07 | t | 112144 | GRGLSLSR FSWGAEG QRPGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.019 | t | 122038 | WNPDDYG GVKWNPD DYGGVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.02 | -0.017 | t | 95040 | SHRPREAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.011 | -0.023 | -0.018 | t | 60374 | SQAQKAA KPAAAAT GTATAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.008 | t | 110116 | YCAPLKPA KSA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.03 | -0.05 | -0.05 | t | 105570 | VGGVVIA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.01 | t | 73535 | YDEEARRG LERGLNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.008 | t | 12345 | EHKYSWK S | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.007 | -0.008 | t | 67922 | VDDPRSEE DKRFESHI ECLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.017 | -0.001 | 0.001 | t | 59810 | SNEFAPVQ NLTGSSVG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.006 | -0.01 | -0.008 | t | 97899 | ASSQTEYE ASPLTPL | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.053 | -0.067 | -0.07 | t | 62074 | SVDDCRW NLNCEPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | -0.007 | 0.001 | t | 144208 | AQAGGPD GAAAGGG | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.01 | 0.02 | t | 104343 | VSGGPFI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.014 | 0 | 0.001 | t | 100073 | GNGQGLN MNNPPNF NVDENA | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.001 | -0.003 | 0.01 | t | 79671 | VLPDSVW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.06 | -0.07 | -0.067 | t | 131836 | CAPGSCFP GV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.007 | -0.013 | -0.007 | t | 32083 | KLPLTKG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0.007 | t | 56283 | RVFEVGVIRNPGLGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.019 | 0 | 0 | t | 30689 | KFACQTFLKDEIRPM | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.013 | -0.041 | -0.042 | t | 38687 | LPRLRPQRSPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.031 | 0.017 | 0.02 | t | 108289 | ATNIFIEGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.005 | -0.011 | -0.01 | t | 19098 | GDRADGQPAGDRADGQPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.025 | 0.017 | 0.025 | t | 134188 | PMSTPSATSVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.037 | 0.05 | t | 24741 | HSGAEF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.036 | t | 146031 | TLAPVRPPLTVGPVGP SDP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.037 | 0.03 | 0.032 | t | 159288 | LLHYSTISQDNLDISFGE LQ | Aotus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.033 | -0.02 | -0.008 | t | 26075 | IFGFNALVDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.033 | -0.02 | -0.008 | t | 26075 | IFGFNALVDR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | 0.001 | t | 4396 | ASFDRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | 0.001 | t | 4396 | ASFDRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.031 | -0.05 | -0.048 | t | 95715 | QKVARTPC | Bos taurus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.043 | -0.031 | -0.05 | -0.048 | t | 95715 | QKVARTPC | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.025 | 0 | 0.001 | t | 22360 | GSGVRGD FGSLAPRV ARQL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.018 | -0.027 | -0.018 | t | 107201 | LIVPEGAR TSLN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.009 | -0.03 | -0.03 | t | 15524 | FEEVNGIR RP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.017 | -0.04 | -0.04 | t | 13523 | ENMNRYP NQVYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.008 | t | 9582 | DNYWSFS DSTYWTLR YSSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.025 | -0.049 | -0.05 | t | 65754 | TPRYNRIG SH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.012 | -0.021 | -0.017 | t | 149390 | NIYPHGIT DVRPLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.03 | -0.029 | t | 122035 | WNPADYG GIKWNPA DYGGIK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.013 | -0.027 | -0.03 | t | 9043 | DLDFSADF ASLSPFMI REAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.01 | 0.011 | t | 75834 | YSNQNNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.011 | -0.029 | -0.027 | t | 23032 | GVLAKDV RFSQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.021 | -0.02 | -0.01 | t | 49444 | PSMTGFH NWLIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.009 | -0.013 | -0.02 | t | 119497 | MRKANSP PT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.025 | -0.051 | -0.052 | t | 8526 | DGYPVEYD NCAYICW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.004 | -0.007 | 0.002 | t | 3983 | AQKFNGLT VLPPLTDD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.012 | t | 79366 | RDAVMI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.003 | 0.012 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.003 | 0.012 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.042 | 0.007 | 0.002 | t | 156480 | YKEQDFTP VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.053 | -0.073 | -0.073 | t | 111042 | TIHAHPGS RRGGRHG YHH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.021 | 0.017 | 0.03 | t | 79596 | LERTPGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.007 | -0.02 | -0.019 | t | 69166 | VIYHKPLA GVYRALKK QIG | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.007 | -0.011 | -0.008 | t | 58052 | SGGNTNQ QR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.005 | -0.001 | 0.01 | t | 79568 | HWSPPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.045 | -0.06 | -0.06 | t | 70544 | VQECNCIS YPGHVTG HRMAW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | t | 79330 | PDVAPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.075 | -0.057 | -0.073 | -0.08 | t | 108659 | TIHAHPGS RRGGRHG YHH | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.029 | -0.047 | -0.05 | t | 58193 | SGPRHRD GVRRPQK RPSCIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | -0.003 | 0.01 | t | 78561 | VWAQSSS FPQFKPQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.007 | t | 110947 | MSTRSVSS SSYRRMFG GPGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.007 | t | 110946 | MSTRSVSS SSYRRMFG GPGT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.021 | -0.019 | t | 52813 | QVVVMKS KNDQGIT NKCKM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.02 | t | 7518 | DAGEVYP GP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.035 | -0.043 | -0.037 | t | 108599 | QGDAKKG ANLFKTRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.045 | 0.033 | 0.039 | t | 149132 | YLENATQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.037 | 0.01 | 0.011 | t | 42264 | MPDHALR PQYSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.018 | -0.024 | -0.017 | t | 78281 | TKLPAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.021 | 0.017 | 0.03 | t | 79592 | KSFNSPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.004 | t | 131083 | SQTTANPS CPEAT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.004 | t | 131083 | SQTTANPS CPEAT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.002 | -0.03 | -0.028 | t | 59907 | SNSLIYYAL DVY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.002 | -0.03 | -0.028 | t | 59907 | SNSLIYYAL DVY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0.002 | t | 149491 | TDATRWWQ IWDNGTII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.015 | 0.013 | 0.024 | t | 107384 | GEPGIAGF KGEQGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.058 | 0.043 | 0.042 | t | 65119 | TLVDITDTE TSAKPPVT TAY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.019 | -0.018 | t | 55930 | RSQPRGR RQPIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.03 | 0.032 | t | 144601 | CSGTHPSIS SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.015 | 0.02 | 0.029 | t | 122771 | GELTSSEV ATEVPFRL MHPQ | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.032 | -0.047 | -0.048 | t | 113957 | TSSKAKEL KDRHRDF PDVIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.032 | -0.047 | -0.048 | t | 113957 | TSSKAKEL KDRHRDF PDVIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.03 | -0.05 | -0.05 | t | 11647 | EEGKILRA QLEFNQIK AE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.051 | 0.03 | 0.029 | t | 46836 | PAIVPDRE VLYREFDE MEEC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.014 | 0.012 | 0.001 | 0.001 | t | 19095 | GDRADGQ AAGDRAD GQAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.02 | t | 119613 | LSLSRFSW GAEGQRP GFGYG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.013 | -0.04 | -0.04 | t | 12071 | EFSIKPKTS VTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.005 | t | 128018 | IELRFVLTK LRVI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.009 | -0.03 | -0.028 | t | 21963 | GQTITPAD KSDKGFV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.014 | -0.01 | t | 15990 | FGGVSDE DVPSFHF KPPSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 79375 | RNYTLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.021 | 0.03 | t | 106827 | SESPYPSL MMVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.023 | -0.041 | -0.04 | t | 49795 | PTTRTDDK LR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.047 | 0.051 | t | 139616 | SYNRGDST FESKSYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.037 | -0.06 | -0.059 | t | 94494 | ECCNPAC GRH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.009 | 0.01 | 0.02 | t | 51870 | QPLHSPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.008 | -0.01 | -0.01 | t | 93094 | KFKVQGE AVSNIQEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.013 | -0.01 | t | 65916 | TQPSKPTT KQRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | 0 | 0.002 | t | 106651 | MHSPLPI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.019 | t | 108503 | KMPIEADP L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.008 | -0.03 | -0.03 | t | 12111 | EFYEKVTG TDLELIQIL KDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.06 | -0.07 | -0.067 | t | 122562 | RRQPHVV SQW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.011 | t | 106976 | VPTQLYNL YPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.005 | -0.021 | -0.021 | t | 64762 | TLDVRMIN IE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.002 | -0.02 | -0.018 | t | 149511 | VLGVAPSA SLYAVKV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.003 | -0.019 | -0.017 | t | 104226 | RPQDVKEP GGGQIVG GVYLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.054 | 0.034 | 0.03 | t | 41238 | MDIDPYKE FGATVELL SFLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.019 | t | 132847 | KKEDFDIY DEDENQS P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.019 | -0.01 | -0.012 | t | 77985 | QTCCDKN QGIFM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.02 | 0.013 | 0.021 | t | 144538 | VVDAEVV DDDRESK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.013 | 0.021 | t | 144538 | VVDAEVV DDDRESK | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.02 | -0.037 | -0.042 | t | 136092 | YKSQYLNN GPQRIGRK YKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.009 | -0.008 | t | 9582 | DNYWSFS DSTYWTLR YSSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | -0.003 | 0.002 | t | 147371 | VIKMIRIQ GSYVGNR KDSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.016 | 0 | 0 | t | 71017 | VSKPMDL DIELVN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.015 | 0.019 | 0 | 0 | t | 66871 | TTTRQSITT MTNTGA | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.001 | -0.019 | -0.019 | t | 64888 | TLKYFGGF NFSQILPD P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.019 | -0.037 | -0.038 | t | 54216 | RIPPENIRR VT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.012 | -0.029 | -0.031 | t | 70499 | VPVDAPH AGTKPHSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.007 | 0.01 | t | 107861 | GLEGQDT KTITFDVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.017 | -0.03 | -0.031 | t | 98456 | SICSNNPT CWAICKRI PNKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.022 | -0.016 | t | 143851 | DPEQPAPL FLVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.035 | -0.049 | -0.05 | t | 14865 | EVRRVGDF HYITGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.012 | t | 133877 | LEAKICHQI EYYFGDFN L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.009 | -0.029 | -0.032 | t | 45398 | NPLYGSRL GVPDTLG GDPKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.017 | -0.008 | t | 121717 | PRRPVDV GNYWNIP S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.023 | -0.017 | t | 106908 | TIDVPSNC HTHEGGQ LHCT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | 0 | t | 65578 | TPGNHWG ETTFPALR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.024 | -0.013 | -0.01 | t | 99055 | WQDCC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.029 | 0.01 | 0.01 | t | 116111 | KGQGQKA KMRCIPEK GH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.027 | -0.051 | -0.051 | t | 71324 | VTGHRMA WDMMQ NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.003 | -0.031 | -0.03 | t | 62050 | SVARTRGL YDDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.022 | 0.01 | 0.01 | t | 31816 | KLEGGGK DIREGGDG DIDRT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.01 | t | 31816 | KLEGGGK DIREGGDG DIDRT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.017 | t | 144439 | QALTGTNT GGAIDGVS TTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.007 | 0 | t | 127645 | EVDNGNF VHCEESGK LVLVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.011 | -0.009 | t | 78925 | AGTYDFAI AAPQANA KIWIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.019 | -0.003 | -0.01 | t | 119498 | MRKSTGT AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | 0.001 | -0.02 | -0.02 | t | 92778 | GALRNYIG ESSPA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.022 | -0.039 | -0.038 | t | 149418 | PSASLYAV KVLGADG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.001 | t | 39160 | LRPFHQILY GMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.006 | -0.017 | -0.018 | t | 13898 | EQPTLTFG AGVNVPA GAGAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0.001 | t | 5350 | AVGPGRW DED | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | -0.003 | 0.001 | t | 63196 | TDLNILERF NYEEAQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.004 | t | 131084 | SQTTANPS CPEGA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.051 | 0.05 | 0.06 | t | 144903 | HDFHDPTL EEQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.11 | -0.11 | -0.11 | -0.108 | t | 117234 | SRGQHQA HSLERVCH CL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 137415 | HAPRYHY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.007 | -0.028 | -0.029 | t | 119563 | EDHRQVV EVTVGLQL I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.028 | -0.029 | t | 119563 | EDHRQVV EVTVGLQL I | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.055 | 0.043 | 0.049 | t | 149134 | YTHNETE | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.017 | -0.008 | t | 117655 | TLKNREP VQLETLSIRG NNI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.015 | t | 127952 | DYMTQAR GQRSSLA ED | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.001 | t | 79515 | ALSIIGK | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.02 | -0.011 | t | 115195 | CQAQPTT MARHPPH HLSFMA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.03 | -0.05 | -0.049 | t | 3886 | APVDSVFD RAFSAYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.03 | t | 147563 | CYGTEPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.017 | -0.01 | t | 112842 | SSKRGRQT PVLYAML DHSRS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.003 | -0.03 | -0.03 | t | 52484 | QTAVDDA EAAAKCR HCI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.003 | -0.03 | -0.03 | t | 52484 | QTAVDDA EAAAKCR HCI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.009 | -0.019 | -0.021 | t | 42699 | MSTNPKP QRKTKRNT NRRPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.019 | t | 125374 | DHTFMQR YHTHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0.007 | -0.007 | -0.009 | t | 110955 | NQNPGSP RPGSTGT WNPSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.04 | 0.021 | 0.02 | t | 50998 | QHEQDRP TPSPAPSR PFSVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.011 | -0.007 | -0.01 | t | 80251 | AGTGALAS SAPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.028 | t | 145737 | DARAYDTE V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.035 | 0.013 | 0.01 | t | 39213 | LRSPNGFL LTDQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.008 | t | 117690 | WGVPIEKI YNKTSGRS LPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.008 | t | 117690 | WGVPIEKI YNKTSGRS LPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.033 | -0.032 | t | 27080 | ILGPRWNL NAHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.018 | 0 | 0 | t | 68117 | VEAGEAT GLAWDP WWTVIN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.013 | -0.029 | -0.03 | t | 104050 | LPRRGPRL GVRATRKT SERS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 137449 | SHRLPAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.01 | -0.02 | -0.018 | t | 46955 | PASTNRQS GRQPTPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.017 | -0.019 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0 | -0.017 | -0.019 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.041 | -0.059 | -0.06 | t | 59944 | SNVPFSPD GKPCTPPA L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.036 | -0.034 | t | 138234 | RRTDPDAV SPWQLTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.03 | 0.031 | 0.04 | t | 117096 | TLSQDQSE TLNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.021 | -0.04 | -0.04 | t | 63165 | TDHAGSN DNIALLVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.029 | t | 106514 | HKMTNFP DSLLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.013 | -0.031 | -0.03 | t | 40579 | LVSFGVWI RTPPAYRP PN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.023 | -0.017 | t | 70259 | VPCSICSN NPTCWA CK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.026 | 0.011 | 0.011 | t | 24012 | HHPSTNQ EQTSLYVQ AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.006 | 0.01 | 0.023 | t | 48279 | PLATQPPV LAL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.028 | 0 | -0.001 | t | 102941 | YGCYCGA GG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.01 | -0.02 | -0.02 | t | 102537 | IPPSLRLE DNEERMS RLSK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.035 | 0.029 | 0.04 | t | 79012 | LDWLQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.023 | -0.04 | -0.039 | t | 110798 | CPTGCQL QEALLQQE RPIRN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.001 | -0.019 | -0.019 | t | 65391 | TNPMTGA LLRAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.01 | t | 6249 | CFPYCYPS ESA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.018 | t | 113342 | DSYFRGAP KLLYVRLS HNSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.04 | 0.01 | 0.01 | t | 98555 | TVNDLK | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.011 | 0.01 | 0.02 | t | 140610 | TQWQGF SVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.03 | t | 118391 | GVDQHDN GSRAR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.045 | 0.047 | 0.051 | t | 124373 | KPSARFSG L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.03 | 0.007 | 0.011 | t | 141607 | ASSDLNLI GFGINAK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.047 | 0.03 | 0.03 | t | 33831 | KTQIDQVE STAGSLQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.03 | -0.04 | -0.04 | t | 81967 | FDFYEVTS RTPVRARE A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.027 | -0.026 | -0.02 | t | 108125 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.027 | -0.04 | -0.04 | t | 29745 | KAACPTM GEAHNDK RADPAF | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.009 | -0.034 | -0.028 | t | 48180 | PKYHPDVP YV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.02 | -0.027 | -0.019 | t | 131297 | FSLRLMEE NWNAEKR SPTF | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.047 | 0.047 | 0.05 | t | 108420 | HELGDIAI A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.009 | -0.009 | -0.01 | t | 78833 | SLDSPSP PREPLRPS RSLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.006 | -0.017 | -0.019 | t | 1497 | AGEPYVIE QGMMDP AK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.004 | -0.018 | -0.018 | t | 8906 | DKKAINLD KAQQKLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.027 | 0.03 | t | 108048 | NPQPNISL SQRGYPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.047 | -0.04 | t | 144782 | SHDAMRH MIRMR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0.007 | t | 118058 | PPPGIRGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.005 | t | 125297 | VFFEEQED EIIGFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.052 | 0.037 | 0.041 | t | 77776 | CNCKAPET ALCARRCQ QH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.013 | -0.029 | -0.031 | t | 9043 | DLDFSAFD ASLSPFMI REAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.021 | -0.041 | -0.038 | t | 66442 | TSSRRRYTE VYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.039 | 0.02 | 0.02 | t | 144603 | CTLKKGSS GGGLPDS VKI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.01 | -0.01 | -0.011 | t | 105072 | AEPRQEFE V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.05 | -0.053 | -0.046 | t | 141735 | RARLSPGD VLVIPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.01 | -0.009 | -0.003 | t | 7763 | DDEDLDEF KPIVQYDN FQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.016 | -0.008 | -0.033 | -0.032 | t | 44654 | NLARTTPD RQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.013 | 0.01 | 0.02 | t | 73189 | WVEWA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.019 | -0.02 | t | 8095 | DEMEECS QHLPYIEQ GMMLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.029 | t | 108085 | QTATYLTP HLKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.046 | 0.017 | 0.021 | t | 10990 | EAAKQGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.013 | -0.008 | t | 147371 | VIKMIRIQ GSYVGNR KDSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.002 | -0.017 | -0.018 | t | 117366 | RRREGPDR SPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.043 | -0.059 | -0.06 | t | 66137 | TRYNDALS HDRL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.044 | -0.063 | -0.061 | t | 11772 | EELTPGRF RT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.01 | t | 133542 | DGRRDVV VRSATFYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.024 | 0.003 | 0 | t | 49455 | PSPEAHVP PPYVEPTT TQCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.009 | -0.013 | 0 | t | 79566 | HGLHLPV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 140592 | PYHQLTH GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.029 | 0.009 | 0.01 | t | 11038 | EAEVQIDR LITGRLQSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.013 | -0.03 | -0.027 | t | 155291 | NNAYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.008 | t | 65916 | TQPSKPTT KQRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.01 | t | 117085 | SQMPEYLL KADN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.027 | 0.01 | 0.01 | t | 4028 | AQPHEPG SYTNVFDH LDWIQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.027 | 0 | 0.001 | t | 32781 | KPLASDPL GAMP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.004 | -0.02 | -0.018 | t | 59952 | SNYCQIYP PNANKIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.013 | -0.009 | t | 106491 | GWGQLFQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.027 | -0.007 | -0.023 | -0.021 | t | 99225 | EREEDWR QPREDWR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.008 | -0.027 | -0.028 | t | 42399 | MQQCIDF TFSDVININ IYNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.049 | -0.05 | t | 70428 | VPPPRRRR AKVLTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0.001 | t | 144809 | VLAPGGT HSRGLLE M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.001 | -0.003 | 0.01 | t | 79568 | HWSPPSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.021 | -0.031 | -0.027 | t | 30263 | KDTNNNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.05 | -0.07 | -0.069 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.05 | -0.07 | -0.069 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 140593 | PYQFFTAS E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.012 | -0.013 | -0.012 | t | 96119 | ASTRGDLA HLTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.013 | 0 | 0 | t | 49968 | PVSMAKT SVDCNMYI CGDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.014 | -0.01 | -0.01 | t | 63668 | TFHQALLD P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.029 | t | 108298 | CKYSMSKC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.018 | -0.011 | -0.01 | t | 48479 | PLSLRSK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.018 | -0.011 | -0.01 | t | 48479 | PLSLRSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.003 | 0.01 | t | 147562 | CYGSLPWMC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.024 | 0.01 | 0.011 | t | 18615 | GAHETSLS ASGNSIIHY TNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0.003 | 0.01 | t | 38114 | LMRVGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.018 | 0.003 | 0 | t | 9652 | DPILRSLAY SNANKEC QKLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.019 | -0.033 | -0.03 | t | 41648 | MGWAG WLLSPRGS RPSWGPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.049 | -0.05 | t | 66144 | TSAEGDLV GWPSPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.009 | -0.029 | -0.028 | t | 75527 | YQPGAGW LA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.019 | -0.001 | 0.001 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.001 | -0.017 | -0.02 | t | 57210 | SDGYPPNR QDPRFTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.014 | -0.031 | -0.03 | t | 10064 | DRVVKEM RRQLEMID KLTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.006 | t | 131082 | SQTTANPS CPAGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.006 | t | 131082 | SQTTANPS CPAGT | Rattus norvegicus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | -0.001 | t | 79518 | APWELPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.004 | -0.01 | -0.001 | t | 79518 | APWELPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.026 | -0.041 | -0.04 | t | 874 | AEEDRKRR EEADV RNQAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.026 | -0.041 | -0.04 | t | 874 | AEEDRKRR EEADV RNQAE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.026 | -0.041 | -0.04 | t | 874 | AEEDRKRR EEADV RNQAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.07 | -0.067 | t | 130912 | KADILPEM NSMRADR M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.011 | -0.04 | -0.042 | t | 54058 | RHKQKIVA PVKQTL | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.008 | -0.01 | -0.006 | t | 149507 | VFDSLQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.01 | -0.03 | -0.028 | t | 46006 | NSTLGVKS AREF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.01 | t | 14205 | ESLPTFA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.017 | -0.02 | -0.021 | t | 79781 | DLKRP GSSPMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.01 | -0.027 | -0.03 | t | 22469 | GSQLPCEP EPDVA VLT SML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.029 | t | 153361 | APQNAKD HLPGYGG GS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.02 | -0.003 | 0.001 | t | 24471 | HPLQKTYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.024 | -0.019 | t | 34612 | KYTMFHYL RAQFEH GKSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.009 | -0.01 | -0.02 | -0.019 | t | 9863 | DQKPISNL GNIHASN NIMF | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.048 | -0.043 | -0.03 | t | 12531 | EINHVQD HALPKENI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.009 | -0.03 | -0.03 | t | 78271 | SSGNLLFT GH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.021 | t | 130598 | RQFECYTT CVG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.017 | 0.02 | t | 103892 | ERYWLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.005 | 0 | 0.007 | t | 24778 | HSLGKWA GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.041 | 0.02 | 0.02 | t | 100056 | GFGKDITT GHSFTHKS NNDP | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.001 | t | 78407 | GQCNMV VERLGDYLI D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.015 | -0.027 | -0.028 | t | 60334 | SPWAPTA PLPGDMN PANWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.011 | 0.01 | 0.02 | t | 43411 | NDDASVD FVAEPVK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.009 | -0.02 | -0.017 | t | 40281 | LVASNWW NRQIERSS RTLK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.009 | -0.02 | -0.017 | t | 40281 | LVASNWW NRQIERSS RTLK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.033 | -0.028 | t | 21851 | GQCKWV NGREICND RDRPTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.021 | 0.003 | 0 | t | 49791 | PTTPGPQT TPPGPATP GPVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.019 | -0.02 | t | 83234 | HSKEIPALT AVETGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.032 | 0.013 | 0.01 | t | 9511 | DNNDSGH STGADTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0.001 | 0.007 | t | 136317 | GGYVAGFL PDPT | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.024 | -0.01 | 0.003 | t | 78424 | IPRSRQIDL QIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.012 | -0.007 | -0.008 | t | 116745 | GSNKGAI GLMVGGV VIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.03 | t | 127698 | IPNSTHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.007 | t | 144252 | EIINVGH SFHVNFE DNDNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.016 | 0.001 | 0.002 | t | 48521 | PLVETWKK PDYEPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.03 | -0.039 | -0.04 | t | 83266 | HTSQVVP SDTMQTRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.011 | -0.01 | t | 67460 | TYSFVSLLS PGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0.007 | t | 117140 | DWEYSVW LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.028 | 0.01 | 0.01 | t | 31383 | KIPDPPQP DFPQLNSD WVPS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.012 | -0.03 | -0.03 | t | 61068 | SSHLQLIY NLTLCELN G | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0 | t | 75372 | YPNQVYYR PVDRYSN QNNFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.039 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.039 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.039 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.009 | -0.01 | -0.009 | t | 63586 | TEVYLEHR MQEAVE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0.003 | 0.01 | t | 35128 | LDDWGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.055 | -0.06 | -0.05 | t | 69989 | VMLPWL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | 0 | t | 116978 | FPSHYWLY PPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.025 | -0.05 | -0.05 | t | 65754 | TPRYNRIG SH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.037 | 0.013 | 0.011 | t | 11923 | EEVVEEVV PEEVVEEV VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.037 | 0.013 | 0.011 | t | 11923 | EEVVEEVV PEEVVEEV VP | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.03 | -0.03 | 0 | -0.032 | -0.02 | t | 98255 | MRRVAIA GVLAMRP E | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.016 | 0.01 | 0.019 | t | 79608 | LRPDSIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.019 | t | 79608 | LRPDSIF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.026 | -0.019 | -0.039 | -0.04 | t | 28603 | ISLTEWSM WYRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.03 | 0.009 | 0.009 | t | 32657 | KPAPKPTP PKPAPKPA P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.03 | -0.04 | -0.04 | t | 137755 | HQCHQES TGRSRGRC GRSGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.037 | 0.047 | 0.04 | 0.05 | t | 79685 | YLTDEF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.021 | 0.022 | 0.023 | 0.03 | t | 78244 | PMWPME | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.012 | -0.003 | 0.002 | t | 837 | AEALSTEP KGAAVDSS KAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.007 | -0.027 | -0.028 | t | 77826 | AFLRHAAL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.048 | -0.046 | -0.06 | -0.06 | t | 47108 | PDHVRTK GPGRCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.032 | -0.05 | -0.05 | t | 122044 | WSSYMVH WKN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.001 | -0.011 | 0 | t | 23785 | HFHYFSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.008 | t | 23599 | HCLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.024 | 0 | 0 | t | 1403 | AFSVPQA NARSSENA ESSA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.008 | -0.009 | 0.001 | t | 61986 | STVMTRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.019 | t | 9039 | DLASREA KKQLEAEH QK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.04 | -0.049 | -0.04 | t | 79037 | PFWLRD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.028 | 0.01 | 0.014 | t | 149522 | VTGVTTQ GVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.031 | -0.02 | t | 103975 | HRDLLRF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.009 | t | 117122 | YTYTDYST RPHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.044 | -0.06 | -0.061 | t | 19064 | GDNNTYG GWFKDGQ W | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.03 | t | 112255 | PIRALVGD EVELPCRIS PGK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.006 | -0.006 | -0.02 | -0.018 | t | 55930 | RSQPRGR RQPIP | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.004 | t | 131081 | SQTTANPS CAEGT | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.017 | 0 | 0 | t | 50490 | QDLPGND NNSTATLC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.011 | -0.041 | -0.04 | t | 34933 | LAQKVART LP | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.011 | -0.041 | -0.04 | t | 34933 | LAQKVART LP | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.05 | 0.04 | 0.05 | t | 35127 | LDDSYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.001 | 0.001 | t | 4733 | ASRAALIEE GQRIAEM LKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.001 | 0.001 | t | 4734 | ASRAALLE EGQRIAE MLKSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.021 | 0.003 | 0 | t | 33166 | KRIRLPHIR EDDQPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.026 | -0.05 | -0.051 | t | 18706 | GANSNNP DWDFNP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.039 | t | 131304 | PVVWKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.001 | -0.033 | -0.03 | t | 44174 | NHVRIPIG YWAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.022 | -0.039 | -0.038 | t | 149418 | PSASLYAV KVLGADG | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.038 | -0.04 | -0.03 | t | 60256 | SPSHYLAR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.01 | 0.011 | t | 26220 | IGFIGFHQ FNNAIKLV ASN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.019 | t | 119601 | KGNNVHG FQKQIIRSF Y | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.006 | -0.02 | -0.02 | t | 46795 | PAFLGCCS RFSGSFSG VEP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.008 | -0.027 | -0.028 | t | 70427 | VPPPRRKR TIQLDG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.005 | -0.017 | -0.01 | t | 29165 | ITYKVMRE VRALAYFV NGTA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.002 | -0.017 | -0.02 | t | 67460 | TYSFVSLLS PGAKQN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.021 | 0.03 | t | 133659 | NPWYN DL SLLTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.029 | -0.028 | t | 30235 | KDRRSTGK SWGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.018 | -0.01 | -0.012 | t | 21737 | GPPVAPTS A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.074 | -0.067 | -0.071 | -0.066 | t | 89665 | TQQGGAY GRCPNGT RA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.051 | -0.08 | -0.081 | t | 80049 | TGELTMY WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.005 | -0.007 | 0.003 | t | 62141 | SVGHMTG RFTSLFSV G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.029 | 0.01 | 0.01 | t | 44480 | NKDPR LNE GVVLDEV | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.032 | -0.043 | -0.036 | t | 30984 | KGITTKW MA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.034 | -0.047 | -0.047 | t | 44731 | NLGRAVF QAKKR VLE PLGLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.008 | t | 9582 | DNYWSFS DSTYWTLR YSSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.033 | -0.05 | -0.049 | t | 96103 | APLLPHS NLDHI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.024 | 0.026 | 0.011 | 0.01 | t | 36127 | LGGKPALV PDRQVLY QQYDE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.036 | 0.049 | t | 62851 | TAGGQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.018 | t | 78419 | IGHGLLPW NNLVTHP VLGKV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.029 | 0.013 | 0.019 | t | 75112 | YMSVNV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 108580 | PQSPGSSFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.03 | t | 6281 | CGELGVDC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | 0 | t | 56787 | SAFSPTHYK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.029 | -0.033 | -0.02 | t | 79660 | TPHNPAI | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | -0.004 | 0 | t | 33882 | KTTKKDHK PQTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.02 | t | 78436 | KTAISPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.013 | -0.023 | -0.016 | t | 143851 | DPEQPAPL FLVS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 104929 | PGTRLQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.02 | t | 104180 | PNAPDAS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.005 | -0.009 | -0.018 | t | 134236 | SNIMHSIN GYVFDSLQ LSVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.018 | 0.011 | 0.02 | t | 7188 | CTPATLLLC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.02 | t | 127694 | IHKNSSV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | 0.001 | -0.019 | -0.02 | t | 22831 | GTSGWAE VVVTPTHV D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | 0.001 | -0.019 | -0.02 | t | 22831 | GTSGWAE VVVTPTHV D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.023 | -0.03 | -0.028 | t | 159288 | LLHYSTISQ DNLDISFG ELQ | Aotus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 116978 | FPSHYWLY PPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.011 | -0.037 | -0.04 | t | 48612 | PNCWVGL TGAHSCFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.047 | -0.038 | t | 117609 | PVQLETLSI RGNNIR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.007 | 0 | t | 96521 | KVTKEKPT PP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.004 | 0 | 0.003 | t | 48993 | PQEQTQH GSPYGRCA NK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0.001 | t | 144809 | VLAPGGT HSRGLLE M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.031 | -0.02 | t | 22231 | GRVFFLVR P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.002 | -0.023 | -0.018 | t | 49137 | PQTTKPKE VPTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.01 | -0.017 | -0.01 | t | 129060 | KEIKKVAT PKKASKPK K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.012 | -0.029 | -0.028 | t | 149318 | FYYGKGLI NVQAAAQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.019 | t | 57530 | SELPQLS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.073 | -0.052 | -0.07 | -0.069 | t | 78431 | KKRW | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.09 | -0.089 | -0.09 | -0.088 | t | 138856 | GRGRGRGR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.022 | 0.001 | 0.006 | t | 72866 | WMNSTGFTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.016 | -0.003 | -0.001 | t | 28676 | ISQAVHAAHAEINEAGR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.051 | 0.049 | 0.06 | t | 144903 | HDFHDPTLEEQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.006 | 0.02 | t | 132887 | PYGLLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.033 | 0.023 | 0.022 | t | 35842 | LFGPSLRDPISAEIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.004 | -0.02 | -0.02 | t | 44563 | NKNTLQARRQQTVSA | Myodes glareolus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.03 | -0.051 | -0.049 | t | 3886 | APVDSVFDRAFSAYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | 0 | t | 45877 | NSKKIICTCKEPTPNAYYEG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.042 | 0.021 | 0.02 | t | 7528 | DAHFLSQTQKSGENLPYLVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.009 | -0.01 | -0.007 | t | 13743 | EPRCPYVGADHFDPCP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.012 | -0.03 | -0.028 | t | 149367 | LKGDSFYYGKGLINV | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | 0 | t | 103892 | ERYWLRS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.03 | -0.04 | -0.038 | t | 50867 | QGGGTHS QWNKPSK PKTNMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.041 | -0.047 | -0.033 | t | 125529 | PVEGPAVI CRCC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.004 | -0.02 | -0.018 | t | 159302 | YVLNSKLH NSRSFDKF KWIQ | Aotus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.002 | -0.023 | -0.018 | t | 50938 | QGPLPNT ALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.009 | -0.01 | t | 57286 | SDSNVSGK LEDSDKAT LNKE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.039 | -0.057 | -0.06 | t | 58193 | SGPRHRD GVRRPQK RPSCIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.008 | -0.007 | -0.01 | t | 59210 | SLKAVNPS DPLVYKRQ TAKF | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.008 | -0.007 | -0.01 | t | 59210 | SLKAVNPS DPLVYKRQ TAKF | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | t | 153349 | ACTDFEG MLCGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 103929 | GKLPIPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.029 | -0.047 | -0.05 | t | 65086 | TLTFGAGV NVPAGAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.02 | t | 117053 | PHPSTMF DRQED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 117096 | TLSQDQSE TLNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.009 | t | 130635 | WGPRVIFE DVTV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.009 | t | 130471 | DWPAVIFE DTRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.009 | t | 130634 | WEWDWP RIELNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.05 | 0.03 | 0.03 | t | 61977 | STVKEQLIE KLIEDDEN SQC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | -0.007 | 0.05 | 0.03 | 0.03 | t | 61977 | STVKEQLIE KLIEDDEN SQC | Papio cynocep halus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.013 | -0.007 | -0.01 | t | 49366 | PSFPTQRT SKTLKVLTP PTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.029 | -0.041 | -0.04 | t | 36312 | LGRWKAV EKSVAMK H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.005 | t | 74871 | YLPVGGLR RIGG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.003 | 0 | t | 108141 | SPSDAKSH VRVADLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.012 | -0.011 | -0.01 | t | 23354 | GYHGSSLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.023 | -0.04 | -0.038 | t | 66347 | TSNTHACR TCSNPCR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.005 | -0.03 | -0.028 | t | 20852 | GLFGKGGI VTCAMFT C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.03 | t | 44896 | NLTDILP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.012 | -0.029 | -0.028 | t | 149511 | VLGVAPSA SLYAVKV | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.033 | t | 108666 | TRCAQCH TLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 131232 | LHAYNPFL LSWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.019 | t | 144779 | SGTHWFL AGCIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.027 | -0.039 | -0.038 | t | 20519 | GKATVLLG MVLSLMA LVVVW | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121778 | RDDPQLFA EAYAFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.004 | -0.01 | -0.008 | t | 95057 | AEGSSSVE YINNWEQ AK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.021 | 0.03 | 0.04 | t | 59316 | SLLTEVETP IR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.028 | -0.034 | -0.027 | t | 78243 | PLFRPS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.001 | -0.031 | -0.03 | t | 71531 | VTTSGGRR Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.007 | 0.011 | t | 105032 | VSRSLLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.051 | 0.06 | t | 117096 | TLSQDQSE TLNY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0.003 | 0.002 | t | 53422 | RDSAWDV RPLTETRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.025 | -0.001 | -0.002 | t | 19504 | GFCDGYCK THLKASS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.025 | -0.001 | -0.002 | t | 19504 | GFCDGYCK THLKASS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.036 | -0.049 | -0.048 | t | 67976 | VDHRPGG GLC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.005 | -0.023 | -0.02 | t | 48594 | PNAKSVKE YLDKVRAT VGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.003 | -0.031 | -0.03 | t | 62050 | SVARTRGL YDDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | 0.011 | -0.01 | -0.01 | t | 93488 | NGTLFSWL PALASNFD Q | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.008 | 0 | 0.001 | t | 64555 | TKETETEA PAAPAEGE KPAE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.007 | t | 119672 | WNPADYG GIKKIRLPS DD | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0 | -0.007 | 0 | t | 50186 | PYVIWK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.046 | -0.06 | -0.06 | t | 28265 | IRAWVAW RAHCQNR D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | -0.001 | 0.012 | t | 16468 | FKTTKKDH KPQT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.019 | t | 49447 | PSNCHTHE GGQLHCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.013 | -0.008 | t | 10531 | DTYTQKLS VP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.001 | 0.004 | t | 1164 | AESLRAVIP PTTTP | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.004 | -0.02 | -0.018 | t | 45160 | NNLEDPAS RDLVVNYV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.028 | 0.01 | 0.011 | t | 118829 | GVLGQA SQLNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.078 | t | 117667 | VAGRGRG RGRGRGR G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.005 | t | 122932 | VCTPKSDE FNPCEDIM GYK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.005 | t | 125472 | LDAVYLNK NKYLTVID KDAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.002 | -0.017 | -0.018 | t | 117366 | RRREGPDR SPR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.11 | -0.11 | -0.11 | -0.108 | t | 117234 | SRGQHQA HSLERVCH CL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 108085 | QTATYLT HLKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.01 | t | 77960 | NAFQLSPT RLLM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.02 | 0.001 | 0 | t | 55739 | RRSGGSG GGFWGDR VDSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.007 | t | 122290 | CSNSSSSQ FQIHGPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 117085 | SQMPEYLL KADN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 108582 | PSFPALR L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.041 | -0.06 | -0.06 | t | 4941 | ATEKSNVV RGWV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.013 | -0.02 | -0.014 | t | 136676 | TGDVDRA VYWHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.014 | t | 136676 | TGDVDRA VYWHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.053 | -0.07 | -0.07 | t | 19210 | GEASGLCC RWSLRVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.028 | 0 | -0.002 | t | 21738 | GPPVDPTS G | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.01 | -0.011 | -0.01 | t | 60596 | SQWNNKPS KPKTN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.032 | 0.02 | 0.021 | t | 126422 | KLASIPHT SPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.025 | 0.011 | 0.012 | t | 52882 | QYDEMEE CSQSAPYI EQAQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.03 | 0.02 | 0.023 | t | 14540 | ETSEVSTT DKIADITIII P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.026 | 0.03 | 0.02 | 0.023 | t | 14540 | ETSEVSTT DKIADITIII P | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.059 | -0.057 | -0.05 | t | 78217 | NKNWWS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.004 | -0.019 | -0.02 | t | 33776 | KTMIRFGD VGLDLDFS AFDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.007 | 0.001 | t | 4396 | ASFDRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.011 | -0.014 | -0.01 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.003 | -0.03 | -0.031 | t | 29943 | KASFDVTG AFKAPRYK S | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.018 | 0 | 0.002 | t | 149304 | ENTTTLKG DSFYYGK | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.007 | -0.02 | -0.019 | t | 44250 | NIIRTKKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.03 | 0.02 | 0.022 | t | 137769 | SHQESTKG KSKGKSGK SGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.013 | 0.022 | t | 106921 | TPYTNNPD LLFT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.017 | 0.003 | 0.01 | t | 126928 | RHVIQVSN EVVTDDDR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 103972 | HNPINAGT ELSATGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 55086 | RNVFLIRTE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.018 | -0.038 | -0.04 | t | 30235 | KDRRSTGK SWGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.02 | -0.03 | -0.02 | t | 79253 | IARLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.01 | t | 75764 | YSIISSMKK HSLSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 127654 | FPKNSTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.01 | -0.01 | -0.008 | t | 114236 | VGWYRSP FSR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.025 | -0.009 | 0.002 | t | 32862 | KPRDTLPP PLNRPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.006 | -0.02 | -0.02 | t | 75829 | YSNIGVCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.031 | t | 113994 | VIISINGQS VVSANDV SDVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.031 | t | 113994 | VIISINGQS VVSANDV SDVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 132691 | TCSADGRT LFYNLCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.008 | -0.031 | -0.031 | t | 33 | AAAGAVV GGLGGYM LG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.06 | 0.067 | 0.06 | 0.072 | t | 127767 | PPSKMET | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 142435 | KTDGKGEE SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 96526 | LAANNPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 79356 | RAVIWAW MWE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.027 | -0.013 | -0.011 | t | 136751 | YCWLRRQ AALQRRLS AMEKG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.033 | -0.047 | -0.05 | t | 52042 | QQINHHW HKSGSSIG KAFTT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.022 | -0.04 | -0.038 | t | 149418 | PSASLYAV KVLGADG | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.02 | 0.019 | 0.029 | t | 153361 | APQNAKD HLPGYGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.027 | -0.021 | t | 60807 | SRSPTRKKI NNIILN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.077 | 0.07 | 0.082 | t | 127715 | KQDPPSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.037 | 0.01 | 0.011 | t | 42264 | MPDHALR PQYSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.009 | 0 | t | 6549 | CLDSSRGI C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.018 | t | 122340 | ERVTRLEW PKNDPRI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.02 | t | 108644 | STLVPNKA P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.006 | -0.02 | -0.02 | t | 57300 | SDTRGDP VFNLPFQF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.037 | 0.047 | 0.03 | 0.031 | t | 110794 | CDDDDDN DGVPSDR DNCRLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.012 | -0.02 | -0.02 | -0.015 | t | 29985 | KAVSAAG VHFKAGG PI | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.017 | -0.01 | t | 109247 | GSAGAPGI AGAPGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.015 | -0.011 | -0.011 | t | 84423 | KKGLQQL QEWDW VGWIGN | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.016 | -0.007 | 0.001 | t | 135906 | DALAVDQ MGRFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.017 | -0.008 | t | 98699 | APKPAPQP GPQPPQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.031 | 0.017 | 0.021 | t | 108289 | ATNIFIEGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.02 | -0.04 | -0.04 | t | 105265 | KLVFFAED VGSNKGA | Canis familiari s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.039 | -0.061 | -0.059 | t | 119562 | DYTGKIM WTPPAIFK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.026 | 0 | 0.003 | t | 15468 | FDTGA FDP DWPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.02 | t | 58745 | SIVYEAAD AILHTPGC VPCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.035 | 0.007 | 0.008 | t | 64391 | TINGLART TADRQTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.001 | 0.003 | t | 130459 | CSKARLHL QGRSNAC AAC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.023 | -0.039 | -0.04 | t | 103961 | GVRATRKT SERSQPRG RRQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.031 | -0.05 | -0.047 | t | 22230 | GRVCLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.008 | -0.028 | -0.03 | t | 10149 | DSITWQL QAAVLHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.008 | -0.009 | -0.008 | t | 149445 | QSTLPGNK YGAYNGT | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.009 | t | 108355 | EVAHPSVP L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.018 | -0.019 | t | 2772 | ALNDLCIK VNNWDLF FSPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121736 | QCFLAITNI QLILPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.019 | -0.014 | t | 39977 | LTITQLLKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.004 | 0.007 | t | 7491 | DAEFRHDS GYEVHHQ K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.008 | -0.009 | 0 | t | 36372 | LHEQYYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.01 | t | 109326 | IEESDDRR YDLVGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.004 | 0.003 | 0.007 | 0.022 | t | 114740 | AQGHRPQ DE | Macaca mulatta |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.009 | -0.023 | -0.017 | t | 108675 | VAGYSYTD ANK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.029 | 0.033 | 0.042 | t | 106245 | AKYSKHPD ATLV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.02 | t | 56259 | RVEAQLH VWIPPLN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.004 | -0.02 | -0.018 | t | 62720 | SYTESMA GKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0.011 | -0.01 | -0.01 | t | 7938 | DEDKLDTN SVYEPYYH SDHA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.011 | -0.01 | -0.01 | t | 7938 | DEDKLDTN SVYEPYYH SDHA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.017 | -0.003 | 0 | t | 52128 | QQQQGGS QSQKGKQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.013 | -0.027 | -0.028 | t | 147220 | QIGYYRRA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 17814 | FSPSLEHPI VVSWSWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 11571 | EEEDDDM GFGFLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.035 | 0.01 | 0.012 | t | 117389 | TSHPAQLG LKSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 54689 | RLNPVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.019 | -0.04 | -0.04 | t | 28603 | ISLTEWSM WYRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.015 | 0 | 0.002 | t | 18010 | FTLSPRRH ETVQECNC SIYP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121847 | SGVFLSVP ESYFGSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.023 | -0.019 | t | 111970 | YNQNLIRH VGGGTPR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.017 | -0.017 | 0.001 | t | 113204 | VDAAFKV AAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.054 | -0.073 | -0.068 | t | 12220 | EGLRMM MRMMQ QK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.019 | -0.008 | t | 111118 | ARLLFGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.013 | -0.009 | t | 107861 | GLEGQDT KTITFDVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.022 | 0.001 | 0 | t | 32475 | KNEQAGQ VQVLSSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.029 | t | 57531 | SELPQWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | -0.001 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0.01 | t | 3936 | AQAFDYV PAWVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0 | 0 | 0.01 | t | 44554 | NKND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 44554 | NKND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.009 | t | 34329 | KWSDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.055 | -0.073 | -0.072 | t | 105177 | FARANRGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.028 | -0.04 | -0.04 | t | 66649 | TTIHELLVR MKRAELYC PRP | Cavia porcellu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.028 | -0.04 | -0.04 | t | 66649 | TTIHELLVR MKRAELYC PRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.012 | -0.023 | -0.022 | t | 26167 | IFSQNMNI KLKMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.012 | -0.023 | -0.022 | t | 26167 | IFSQNMNI KLKMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.012 | -0.023 | -0.022 | t | 26167 | IFSQNMNI KLKMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.016 | -0.009 | -0.029 | -0.03 | t | 33767 | KTLRNTNR L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.063 | -0.07 | -0.067 | t | 130912 | KADILPEM NSMRADR M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.046 | 0.054 | 0.047 | 0.05 | t | 127762 | PGPSTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.01 | -0.03 | -0.028 | t | 46006 | NSTLGVKS AREF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.009 | 0.033 | 0.02 | 0.027 | t | 45316 | NPKD | Marmot a monax |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.045 | -0.049 | -0.046 | t | 57540 | SELSPLLT TTQWQVL PCSF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.01 | 0 | 0.001 | t | 31736 | KKYASGNK DNIVRNN DRVY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.01 | t | 108098 | RIADTIHA NNSRHIL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.001 | -0.019 | -0.022 | t | 5346 | AVGIMTVT MTFKLGPR KATG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 144036 | PSIIGGSSV DLV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | 0.001 | -0.021 | -0.019 | t | 119642 | SEHETRLV ANLLENYN KVIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.018 | 0.001 | 0.002 | t | 149367 | LKGDSFY Y GKGLINV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.002 | -0.019 | -0.018 | t | 149327 | GSAALKAA VDKAVAS | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.047 | -0.048 | t | 70428 | VPPPRRRR AKVLTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.029 | 0.01 | 0.01 | t | 47839 | PHKAAVD VGPLSVGP QS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.029 | 0.01 | 0.01 | t | 47839 | PHKAAVD VGPLSVGP QS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.009 | t | 48668 | PNLRGDL QVL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.032 | -0.037 | -0.029 | t | 125085 | GTPSHSRR QPHVMS | Macaca fascicula ris |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.019 | -0.018 | t | 28982 | ITLPQDAV SRTQRRGR TGRG | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.07 | -0.067 | -0.063 | -0.07 | -0.049 | t | 137452 | SHTFPPSW LLVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.023 | -0.02 | t | 35769 | LEYIVGRV WI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.019 | -0.01 | t | 111118 | ARLLFGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 79400 | SRPTML | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.033 | -0.028 | t | 21851 | GQCKWV NGREICND RDRPTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.023 | -0.043 | -0.039 | t | 50846 | QGDRRCQ SQLERANL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.009 | 0 | t | 102248 | YNPTYLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.022 | -0.03 | -0.02 | t | 43884 | NFLPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.02 | t | 43884 | NFLPRP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.003 | 0.01 | t | 130612 | SPNTAHIT SKSL | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.023 | -0.037 | -0.04 | t | 62403 | SVYAWER KKISNCVA DY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.039 | t | 149030 | DFRFESSLS INDHA | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.013 | 0.02 | t | 73098 | WSQMVPF DPLRLLDG S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.024 | -0.039 | -0.038 | t | 49116 | PQRKTKR NTNRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.023 | -0.02 | t | 48708 | PNTALLSL VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.001 | -0.017 | -0.02 | t | 47838 | PHIVTPPS ARPRIMAP PVVR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.005 | -0.021 | -0.02 | t | 64762 | TLDVRMIN IE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.002 | -0.019 | -0.018 | t | 149445 | QSTLPGNK YGAYNGT | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121849 | SGVPLYSHI SYVISC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.031 | -0.04 | -0.04 | t | 51074 | QIGYYRRA TRRVRRG DGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.012 | -0.01 | -0.01 | t | 69324 | VKTKNTTT TQTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.031 | -0.05 | -0.05 | t | 21477 | GNNDNVL DHLTGRSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.031 | -0.05 | -0.05 | t | 21477 | GNNDNVL DHLTGRSC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.052 | -0.06 | -0.058 | t | 132640 | RTDDKMR MHSHLSH H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.033 | -0.049 | -0.05 | t | 104315 | TRKTSERS QPRGRRQ PIPKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 79356 | RAVIWAW MWE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 9463 | DNGKAIYE RARERALQ ELGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.001 | t | 78230 | PHMNYYH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | 0.002 | -0.021 | -0.02 | t | 58746 | SIVYETAD MIMHTPG CVPCV | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.019 | t | 119580 | FMESGEW VIKESRGW KH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | 0.001 | -0.03 | -0.032 | t | 687 | ADINAVCP SELK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.02 | -0.017 | t | 79528 | CPSKKPYE EVTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | -0.002 | 0.001 | t | 33198 | KRNEKWD EVYKYIVT NWL A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.017 | 0.029 | t | 102006 | QP VQQPS GQQQQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.084 | -0.082 | -0.087 | -0.076 | t | 119443 | DLKLRRSS SVGYIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.018 | -0.04 | -0.042 | t | 64058 | THNQWN KPSKPKTN MK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.029 | -0.027 | -0.019 | t | 113002 | GKGRGLSL SR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.031 | -0.027 | t | 14819 | EVLYLLDLA GVYRSLKK QLE | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.024 | -0.003 | -0.004 | t | 45627 | NQSLDLAE QELVDCAS QHGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.018 | 0.01 | 0.02 | t | 7188 | CTPATLLLC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.022 | 0.007 | 0.01 | t | 104368 | YSYPANK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.019 | t | 153345 | ACRDHYD QMC GGGG S | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | 0.001 | -0.02 | -0.02 | t | 22831 | GTSGWAE VVVTPTHV D | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.003 | -0.019 | -0.019 | t | 45250 | NNSPAVYL LDGLRAQ DDYNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.008 | -0.011 | -0.006 | t | 149507 | VFDSLQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.009 | -0.01 | -0.011 | t | 45433 | NPNNNAA TVLQLPQG TTLPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.043 | 0.03 | 0.041 | t | 98867 | LEENAGGE QEERGQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.03 | 0.033 | t | 144601 | CSGTHPSIS SC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.017 | 0.02 | t | 107803 | DYANPRN TPRVADNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.009 | -0.006 | t | 66598 | TTESRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.002 | -0.031 | -0.028 | t | 12345 | EHKYSWK S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.004 | -0.003 | t | 113859 | SHHPARTA HYGSLPQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | 0.002 | t | 41475 | MFANSSA AAVTAAS NSPQRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.019 | -0.01 | t | 116954 | DPTDYSTR PHMW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.01 | -0.021 | -0.019 | t | 9863 | DQKPISNL GNIHASN NIMF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.03 | -0.05 | -0.053 | t | 136113 | ACKRGRQ TPVLYAML DHSRS | Rattus norvegic us |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.002 | -0.02 | -0.019 | t | 51854 | QPHGGSW | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.012 | 0.013 | 0.02 | t | 78243 | PLFRPS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.02 | -0.01 | t | 144079 | SLMVSPW PLHGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.013 | -0.007 | t | 64882 | TLKQAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.067 | -0.048 | -0.07 | -0.068 | t | 30953 | KGHVILRK RV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.024 | -0.03 | -0.027 | t | 119135 | EGVKYVLN ETTNWLW AFLAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.035 | 0.01 | 0.01 | t | 25262 | IAETQHGT I | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.03 | t | 112139 | GQFRVIGP RHPICALV GDEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.01 | -0.031 | -0.029 | t | 32595 | KNQIQLFN LESSKIEVIL K | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.023 | -0.01 | -0.031 | -0.029 | t | 32595 | KNQIQLFN LESSKIEVIL K | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.004 | t | 119635 | RGWKHSV TYSKCPDT PY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.05 | -0.048 | t | 63967 | TGSQDFV RSIG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.05 | -0.048 | t | 63967 | TGSQDFV RSIG | Mus musculus |

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|---|------|---|---|-------|-------|--------|-------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.05 | -0.048 | t | 63967 | TGSQDFFV RSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.05 | -0.048 | t | 63967 | TGSQDFFV RSIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 108615 | RRGPEAH QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.02 | 0.03 | t | 108298 | CKYSMSKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.008 | -0.01 | -0.006 | t | 149269 | AVFDEGKS W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.02 | 0.01 | 0.012 | t | 14386 | ETGERSVL TVPSTDIEK EIL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 140582 | PWATLVA ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 141534 | DRMNLQT LRGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 137418 | HHILPPKA LLFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 137470 | YSVKPPLP YLPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 134170 | MVRHENR CVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 142505 | ADWADW LDYPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 137452 | SHTFPPSW LLVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 142576 | DGASYSW MYEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 140546 | CNLWEVM HGTC | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|--------|------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 137446 | SHDWRLM LSHLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 140606 | TMWDALE AP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 131306 | REKAKW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 125600 | WESYPFRV GTSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 132276 | ERIYHFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 125363 | APKTYVSV SGMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 131304 | PVVWKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 132468 | LYWFTLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 101311 | TPLDRGT WLFTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 100992 | KSLSRHDH IHHH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 101096 | NTFNEFW PSNSW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 101139 | PSLSRQRH SYPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 100992 | KSLSRHDH IHHH | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 101345 | TWLTPSFP FYLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 100901 | GTVLPDLS RNPY | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|--------|---------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 115268 | GLQYTPS WLVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 115268 | GLQYTPS WLVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 66347 | TSNTHACR TCSNPCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 66121 | TRVPRR | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 62328 | SVSLPYAN LATH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 97594 | QTPLTETA LKWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 97287 | ETPLTETAL KWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 62641 | SYLPQLG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 78436 | KTAISPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 78558 | VSIFPPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 61635 | STGPCR | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 97288 | ETQLTTAG LRLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 64837 | TLHLPHLW RPLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 97595 | QTPLTMA ALELF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 97596 | QTPLTMA ALELL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 40858 | LYMPQLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 43232 | NANNPD WDF | Mus musculu s |

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|---|------|---|---|------|------|------|------|-------|---|-------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 45059 | NNDNPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 47805 | PHDGNRA FPRTKVT M | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 48154 | PKTHNSGR SNVD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 57530 | SELPQLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 57556 | SEMPQLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 59714 | SMMPQLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 44617 | NKVIWEA DWAFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 24438 | HPDSIHPF LASP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 15982 | FGGETFTP DWMMEV AIDNE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 24019 | HSHSILQ SDWF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 610 | ACYLPFQL SCGGKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 6020 | CAQQWPE WYPC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 6501 | CKLSQGAP DSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 6249 | CFPYCYP ESA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 6940 | CRQTRTM PGC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 6276 | CGAVIDDC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 77951 | LPTMLSPT GLSR | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.007 | -0.02 | -0.018 | t | 44250 | NIIRTKKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.107 | -0.083 | -0.11 | -0.11 | t | 78554 | VMRQEC WWWPCN DLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.022 | -0.019 | -0.01 | t | 20936 | GLISDSGFL IPSKRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.033 | -0.03 | -0.04 | -0.038 | t | 153907 | YSKISEYRH YCYSLYGT TLE | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 133029 | CVWLWE QC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.032 | t | 106473 | GPYVPYPE DQFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.014 | -0.011 | t | 125185 | NSSSSQFQ IHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.007 | -0.013 | -0.007 | t | 32083 | KLPLTKG | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.06 | -0.058 | -0.021 | -0.059 | -0.05 | t | 98216 | LKPIRKKV GIVFQFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.01 | -0.017 | -0.021 | -0.008 | t | 61635 | STGPCR | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.003 | -0.02 | -0.02 | t | 42546 | MSESHVKI SRTIIRGTS PST | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.044 | -0.06 | -0.06 | t | 40099 | LTPGRFRTI VCGLF | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.062 | 0.04 | 0.04 | t | 73345 | YAEPTKDP DQRPYCW HYPPQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.023 | -0.039 | -0.038 | t | 104227 | RQPIPKAR RPEGRTW AQPGY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.032 | -0.041 | -0.032 | t | 55524 | RRAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.009 | t | 108508 | KSGPIDIIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.035 | -0.033 | -0.022 | t | 136000 | SRFSWGA EGQ | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.004 | -0.031 | -0.03 | t | 74801 | YLLQKLRN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.004 | -0.031 | -0.03 | t | 74801 | YLLQKLRN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.027 | 0.007 | 0.01 | t | 52128 | QQQQGGS QSQKGKQ Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.024 | 0.001 | 0 | t | 68618 | VGAESCGR PFGSLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.031 | -0.05 | -0.047 | t | 58207 | SGQARVLY SEFINAL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.047 | -0.04 | t | 112304 | SAHKGFKG VDAQGTL SKIFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 140548 | CSLSDAFN GSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.008 | -0.03 | -0.03 | t | 68157 | VEEEIYQC CNLEPE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.039 | t | 120347 | YRGWKH WVYYTCC PDTPYLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.004 | -0.009 | -0.008 | t | 50809 | QFPFNASD SVGQQIKV IPVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.007 | -0.023 | -0.02 | t | 15430 | FDMATNP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.039 | t | 105570 | VGGVVIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.007 | 0 | t | 131876 | FAKANKQ VCTDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.009 | -0.013 | -0.019 | t | 119497 | MRKANSP PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.003 | -0.021 | -0.02 | t | 20268 | GIGAVLKV LTTGLPALI SWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | 0.012 | -0.02 | -0.022 | t | 19713 | GGE GEGG KGGRGAA K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.027 | -0.029 | t | 48779 | PPFSLSPV PTLGSRSR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.037 | -0.061 | -0.06 | t | 65684 | TPPHSARS KFGYGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.019 | -0.04 | -0.04 | t | 55733 | RRRTQKAP KRIRLPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.003 | 0.013 | t | 113365 | EHPVTGC GERTEGRC LHYTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.028 | 0.009 | 0.014 | t | 149522 | VTGVTTQ GVK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.061 | 0.041 | 0.041 | t | 53435 | RDVSDFTD SVRDPKTS EI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.013 | -0.027 | -0.028 | t | 147220 | QIGYYRRA TR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.019 | t | 107881 | HDKPPDLS MQRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.01 | t | 24591 | HQLDPAF GANSTNP D | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.037 | 0.021 | 0.022 | t | 41004 | MAARLCC QLDPARD V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.011 | -0.04 | -0.042 | t | 78008 | SLYDKNRG QFGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | 0.008 | -0.03 | -0.03 | t | 133575 | FMRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.019 | t | 133520 | ASNWTF RVTDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 79185 | DLWSVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.024 | 0.01 | 0.013 | t | 3598 | APIDTCISE CITPNGSI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.021 | 0.017 | 0.03 | t | 79542 | EQTINQW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.023 | -0.039 | -0.038 | t | 104187 | PRRGPRLG VRATRKT SERSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | -0.007 | 0.016 | 0.014 | 0.03 | t | 106905 | THTYSPAP FTLI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0.008 | t | 106763 | QYTMHPL ELLVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 11150 | EANSKLAA LEKLNKELE ESK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.024 | -0.021 | t | 138197 | KLTSRLRY NSPPLCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.033 | 0.023 | 0.022 | t | 35842 | LFGPSLRD PISAEIS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.029 | 0.013 | 0.019 | t | 5560 | AVTGID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.029 | -0.051 | -0.05 | t | 10291 | DTAGLAGL FNLGPKQT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.025 | 0.003 | 0.003 | t | 113703 | PQKSQRS QDENG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 79156 | APHELR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 610 | ACYLPFQL SCGGKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.017 | -0.013 | -0.01 | t | 20537 | GKDRSIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.028 | 0.035 | 0.02 | 0.025 | t | 43383 | NCPYVSYG KFCIKPDG SIST | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0.003 | 0.01 | t | 78277 | TIHGSN | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | -0.006 | t | 144252 | EIINVGHSE HVNFDNDNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0 | 0.01 | t | 137414 | HAPRYHTI YGWP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.007 | -0.011 | -0.007 | t | 155291 | NNAYP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0.008 | -0.011 | -0.007 | t | 32781 | KPLASDPL GAMP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.005 | -0.027 | -0.03 | t | 69255 | VKKSGR | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.001 | -0.011 | 0 | t | 58365 | SHHKFSP | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.005 | -0.029 | -0.028 | t | 52680 | QVCGPVY CFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.013 | 0.02 | t | 115664 | YGSLPQKA QGHRPQD ENG | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.046 | -0.059 | -0.054 | t | 12535 | EINRVASCLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.029 | t | 108541 | LVGTPQKT K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.019 | -0.003 | 0 | t | 96228 | EGLLKLL DTLENML K | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.049 | t | 149033 | EDFRFESSLSINDHA | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.033 | 0.009 | 0.011 | t | 40982 | LYVGGPMTNSKGQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.011 | -0.029 | -0.03 | t | 46198 | NTNSGPD DQIGYYRR ATR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.028 | 0.011 | 0.012 | t | 149477 | SSSTVGYP GKYPSVI | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 133029 | CVWLWE QC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.022 | -0.003 | 0.002 | t | 66793 | TTQTQPSK PTTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | 0.003 | t | 110840 | EVTIGDIEE PPILEVVPE TH | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.015 | -0.037 | -0.039 | t | 6892 | CQQFLSVRALC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0 | 0 | t | 100460 | REREREED WRQPRED WRRPS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.039 | -0.06 | -0.059 | t | 57557 | SEMPQLPS EMPQLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.012 | -0.03 | -0.028 | t | 149318 | FYYGKGLI NVQAAAQ | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.006 | -0.027 | -0.028 | t | 33215 | KRRLRPSR VRIE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.045 | -0.027 | -0.043 | -0.05 | t | 108631 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.01 | -0.008 | t | 106707 | PGPSRAHF L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.021 | -0.001 | 0 | t | 65238 | TMPFSPDF SNVD | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.01 | t | 51456 | QLNRALSG IAAEQDRN T | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.009 | -0.01 | -0.01 | t | 144797 | TGGCTHG CLAVP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.013 | 0.022 | t | 111563 | MPVNDTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.007 | 0 | t | 23948 | HGRYFHV PGYPWGS A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.032 | -0.04 | -0.037 | t | 1453 | AGARRGD LAHLAAAH ARHLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | -0.001 | -0.019 | -0.018 | t | 78840 | SRS�PRQS LIQPPTFH PPSS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.001 | -0.019 | -0.018 | t | 78840 | SRSLPQRS LIQPPTFH PPSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.02 | t | 108650 | TFRDLHQ QQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 153339 | ACPPYET WWCGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.043 | 0.047 | 0.053 | t | 103477 | PGSGFWS FGSEDGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.009 | 0.01 | t | 77939 | LAAKHMS NTFLAGLA QYYTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.01 | t | 70541 | VQDKYGR VCYGD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.01 | t | 70946 | VSGDPRG RYEDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.01 | t | 47670 | PGGRERGI YHIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.01 | t | 53194 | RARGIYET ETRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.01 | t | 14260 | ESRPRGVY PTEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.02 | -0.029 | -0.03 | t | 89316 | SYTNNSKK GYAEWVI NTRQV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.01 | -0.013 | 0 | t | 6924 | CRGDDEF AWYC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.004 | -0.02 | -0.02 | t | 78854 | TKDTNNN LKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.002 | -0.02 | -0.019 | t | 51854 | QPHGGSW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.004 | -0.02 | -0.02 | t | 141701 | LNDKHSN GTIKDRSP YR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 125374 | DHTFMQR YHTHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 125374 | DHTFMQR YHTHQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.003 | 0 | t | 104254 | SPFLKAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.02 | -0.027 | -0.019 | t | 131297 | FSLRLMEE NWNAEKR SPTF | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.028 | 0.013 | 0.009 | t | 74005 | YGGIPGGI STPITQQS EKSK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.031 | 0.017 | 0.021 | t | 108287 | ATADYPQ KS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.044 | 0.023 | 0.022 | t | 10131 | DSGSRTTP DELALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.019 | -0.008 | t | 111118 | ARLLFGI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 79231 | GISHTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.016 | -0.03 | -0.03 | t | 78460 | LVTHPVLG KVLILNQM ANFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.007 | -0.023 | -0.02 | t | 14000 | ERHLTFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.051 | -0.08 | -0.081 | t | 80049 | TGELTMYW VW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.003 | 0.01 | t | 112048 | ATASTMD HARHGFLP RHRDT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.01 | -0.019 | -0.013 | t | 56330 | RVKN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.02 | -0.011 | t | 78229 | PHMNNFHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.012 | -0.03 | -0.028 | t | 149511 | VLGVAPSA SLYAVKV | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.017 | t | 76287 | YVGPLTQT LYGM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.017 | 0.003 | 0 | t | 111033 | STYDRDN DGWLTSD PRKQCS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | 0.014 | -0.02 | -0.022 | t | 70216 | VNVPYKIS TSTNCAT | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.063 | -0.077 | -0.07 | t | 122400 | HSAHRGP TYDPRVLH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.013 | -0.04 | -0.04 | t | 32731 | KPHFPLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.029 | t | 78076 | YMSPTGR VMTTQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 104125 | MNKTFVP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.053 | -0.05 | t | 107170 | GSRPSPIG SKWALQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.049 | 0.053 | 0.062 | t | 107032 | YTQSPTPD LMAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 145643 | YDASLEDQ KGLVA | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 139524 | ISSQT | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 30093 | KCTSDQDE QFIPKGCS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.009 | t | 8132 | DEQFIPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 8132 | DEQFIPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 8132 | DEQFIPK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.023 | -0.02 | t | 46423 | NVLMVPK PQG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.005 | 0.01 | 0.019 | t | 122760 | EVPFRLM HPQPEDP DTAKES | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.001 | t | 106941 | TVKQLYTL YPAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.021 | -0.05 | -0.052 | t | 77985 | QTCCDKN QGIFM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | 0 | -0.02 | -0.02 | t | 61531 | STASSHQ HTDS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.002 | -0.02 | -0.018 | t | 21841 | GPYAGPM ERQKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.002 | -0.02 | -0.018 | t | 21841 | GPYAGPM ERQKPLK | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.035 | 0.01 | 0.012 | t | 38945 | LQPGDDPL | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.028 | 0 | 0 | t | 102941 | YGCYCGA GG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.041 | 0.05 | t | 133604 | HSLSMYFD WVPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.017 | 0.02 | t | 108416 | HAKKTPPA S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.002 | -0.023 | -0.022 | t | 96955 | TGVRRGD LAHLAAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.04 | 0.009 | 0.009 | t | 8644 | DIFTNSRG KRASKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.011 | t | 112940 | DQMAVEK LSDGIRKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.024 | t | 133545 | DRGDQST DYGIFQIN SR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.057 | -0.08 | -0.079 | t | 100554 | THARHLP | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | 0.004 | -0.007 | 0 | t | 132887 | PYGLLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.024 | -0.039 | -0.038 | t | 49116 | PQRKTKR NTNRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | t | 78321 | YKANAS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.009 | t | 118060 | PPPGMRP P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.03 | -0.03 | t | 18564 | GAEASTSL FHFRIPRSY FLR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.004 | -0.02 | -0.02 | t | 62721 | SYTESMA GKREMVII TIKSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.025 | 0.023 | 0.029 | t | 24755 | HSIRSTTRL HTTSL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.054 | -0.024 | -0.053 | -0.062 | t | 127776 | PRSRHPG GPGTPQIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.001 | t | 72552 | WHRTPSTL WGV I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.045 | 0.019 | 0.02 | t | 84423 | KKGLQQL QEWEDW VGWIGN | Felis catus |
| 1 | 1.00 | 1 | 1 | 0 | 0.012 | 0.022 | 0 | 0 | t | 61068 | SSHLQLIY NLTLCELN G | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121676 | NVKVLLVA SPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.02 | 0.019 | 0.03 | t | 144036 | PSIIGGSSV DLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.014 | 0 | 0.001 | t | 44468 | NKCKMNL QDNNGN DIGFIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.006 | -0.02 | -0.019 | t | 57300 | SDTRGDP VFNLPFQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.047 | -0.039 | t | 107768 | CIAPKRHN SAC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.047 | -0.073 | -0.072 | t | 7947 | DEDSYGR DPYSPSQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.02 | t | 116954 | DPTDYSTR PHMW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0 | 0.01 | t | 6330 | CGPFFLSP TSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.008 | 0 | 0.01 | t | 6330 | CGPFFLSP TSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.057 | -0.05 | t | 112144 | GRGLSLSR FSWGAEG QRP GF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.013 | -0.029 | -0.03 | t | 9043 | DLDFSAFD ASLSPFMI REAG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.01 | t | 117053 | PHPSTMF DRQED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.02 | t | 45046 | NMYRYPN QVYRPPV D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.026 | -0.049 | -0.05 | t | 68600 | VFVLGGCR HKLVCAPA PCNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.004 | -0.02 | -0.02 | t | 78854 | TKDTNNN LKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.04 | 0.041 | 0.05 | t | 133601 | HPMYPTW YSWQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 108085 | QTATYLTP HLKV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.034 | -0.049 | -0.05 | t | 35143 | LDENGLLL GVHPRLA QRILF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.01 | -0.02 | -0.017 | t | 46954 | PASTNRQS GRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.01 | -0.02 | -0.017 | t | 46954 | PASTNRQS GRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.028 | 0 | 0.001 | t | 7397 | CYKKVWR DHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.028 | 0 | 0.001 | t | 7397 | CYKKVWR DHRGTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.028 | -0.031 | -0.024 | t | 10686 | DVNLHSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.035 | 0.01 | 0.008 | t | 46081 | NTECTLKK GSSGYCA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.035 | 0.01 | 0.008 | t | 46081 | NTECTLKK GSSGYCA | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.023 | -0.019 | t | 110875 | GSLPQKSQ RTQDENP VVHF | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.009 | t | 133542 | DGRRDVV VRSATFYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.026 | 0 | 0.003 | t | 15468 | FDTGA FDP DWPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.017 | -0.018 | t | 134237 | SQWN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.024 | 0.003 | 0.001 | t | 49455 | PSPEAHVP PPYVEPTT TQCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.04 | 0.052 | t | 127713 | KNWTTPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.024 | -0.04 | -0.038 | t | 49116 | PQRKTKR NTNRR | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.011 | t | 119601 | KGNNVHG FQKQIIRSF Y | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.063 | -0.073 | -0.069 | t | 139484 | DWFKAFY DKVAEKFK EAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.021 | 0.01 | 0.016 | t | 64810 | TLGFGAY MSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.027 | -0.003 | 0 | t | 35547 | LEKGTPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 45878 | NSKNPVP VKKEAKLS EAEL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.081 | -0.067 | -0.08 | -0.078 | t | 18607 | GAGRRVGL | Anas platyrhynchos |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.038 | -0.049 | -0.05 | t | 65848 | TQGCNCSI YPGHITGH RMAW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.018 | -0.04 | -0.04 | t | 13527 | ENMYRYP NQVYYRP VDQYSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.018 | -0.04 | -0.04 | t | 13527 | ENMYRYP NQVYYRP VDQYSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 103928 | GKLPIAM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0.001 | 0.007 | t | 136630 | SGKEQRLT SPGR | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.004 | -0.02 | -0.02 | t | 82891 | GSPNCHG PDWASPV CQRHS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.006 | 0.002 | t | 107798 | DSARNTFK TTTAPYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.008 | -0.011 | -0.006 | t | 149316 | FMAYTDE TFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.024 | -0.022 | t | 108200 | VSLGKWL GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.017 | -0.01 | t | 112127 | GGDRGAP KRGSGKDS HHPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.006 | -0.03 | -0.028 | t | 45239 | NNSFLDPE YWNFRNG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.019 | t | 149039 | FLHTRLFV SDGINS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.01 | -0.005 | t | 122933 | VEGTDAA GRRVTNTK VLRC | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.023 | -0.019 | t | 141735 | RARLSPGD VLVIPAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.019 | t | 153345 | ACRDHYD QMC GGGS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | 0.005 | -0.027 | -0.03 | t | 32683 | KPDYEPPV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.018 | t | 49447 | PSNCHTHE GGQLHCT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.005 | -0.023 | -0.02 | t | 97075 | VSCYGKTK CTASNKNR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.001 | t | 153356 | ACWPSMR DHC GGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.052 | 0.031 | 0.03 | t | 8877 | DKGSDVES YSSMPPLE GEP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.002 | -0.01 | 0 | t | 6329 | CGPFFLAA SVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.033 | -0.037 | -0.03 | t | 132941 | WGSNVYN SPFHS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.013 | 0.024 | t | 122386 | GRLERPSE PRLPLLA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.023 | 0.032 | t | 106576 | KSAITPT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.027 | t | 121398 | IAPKRHNS A | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.003 | -0.011 | -0.01 | t | 32316 | KMGDYGE VTVECEPR SGLN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.017 | -0.008 | t | 132634 | RSFSQNPP VLKRHQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 153361 | APQNAKD HLPGYGG GS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121685 | NVVPLIVA SPYVDAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.035 | 0.01 | 0.012 | t | 51822 | QFPQPPEL PYPQPQ | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.035 | 0.01 | 0.012 | t | 51822 | QPFQPEL PYPQPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.029 | 0.009 | 0.01 | t | 36940 | LKLKSIWS WAKKVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.014 | t | 133545 | DRGDQST DYGIFQIN SR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.05 | 0.03 | 0.031 | t | 57988 | SGAVILLEF IPEIAIPVL G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 133709 | SWTPDKW LRPSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 112721 | WHAPQTP YWASM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.054 | -0.048 | t | 117910 | HLLTNHLK SKEVWKA L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0 | t | 79258 | IGYSGTGE GNHIENDP LKIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.047 | -0.048 | t | 70428 | VPPPRRRR AKVLTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 112723 | WHQTYTS SLWES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121734 | QCCLADD ECLLSLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.005 | -0.013 | -0.01 | t | 30661 | KEVPALTA VETGAT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.023 | -0.021 | t | 108518 | LGLHALQS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.016 | 0.02 | t | 138182 | GHRYTSSV SLTEACP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.02 | t | 137413 | HAPRWH W | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 121671 | NVKELLVA SPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.051 | -0.08 | -0.08 | t | 80049 | TGELTMY WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.032 | t | 106298 | AYFNLHPT TQLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.041 | -0.037 | -0.028 | t | 106874 | SSVYSPSPL SLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.022 | -0.021 | -0.01 | t | 4283 | ARWVEW | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0.008 | t | 279 | AALGDSLY GAASLNDF GILA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.028 | 0.003 | 0.002 | t | 41209 | MCWDCTL HARSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | 0 | t | 7143 | CTGDARH C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.03 | -0.037 | -0.03 | t | 115829 | KRGSGKDS HHPARTA HY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.013 | 0.022 | t | 106424 | FPFTPHPE EYFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.02 | t | 137412 | HAPRWHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.012 | -0.007 | -0.007 | t | 116745 | GSNKGAIL GLMVGGV VIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.007 | 0.003 | 0.012 | t | 78109 | AVPTKA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.055 | 0.043 | 0.05 | t | 149134 | YTHNETE | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.006 | 0.01 | t | 65613 | TPIQTQRIK RHHLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121968 | VFTPRPPD NYKVIPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 158618 | TYMVPAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.045 | -0.05 | -0.041 | t | 35907 | LFLPRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 133028 | CVWLWE NC | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.06 | 0.058 | 0.07 | 0.059 | 0.071 | t | 38438 | LPDTLSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 131257 | RHFPNDY NPFL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 78196 | LNGLV | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.04 | t | 69988 | VMLPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.017 | -0.01 | -0.01 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.017 | -0.01 | -0.01 | t | 62353 | SVTEEIAEE DKSVTEEI AV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.022 | 0 | 0.001 | t | 43438 | NDFPINELI LDTDLISKI E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.022 | 0 | 0.001 | t | 43438 | NDFPINELI LDTDLISKI E | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.008 | -0.017 | -0.018 | t | 68869 | VHLSDP SVRQWH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | 0.002 | t | 106856 | SMNPFPG QLVSN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.02 | -0.019 | t | 124024 | DPAQPPR DLTEAFLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.013 | -0.04 | -0.041 | t | 29944 | KASFHVTG AFMSDRW KS | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.007 | -0.02 | -0.02 | t | 32800 | KPMKTLQ FFPGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.032 | -0.047 | -0.048 | t | 32684 | KPDYEPPV VHGCPPLP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.005 | -0.02 | -0.02 | t | 78253 | QGGCGRG WAFSATG AIEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.011 | 0.007 | 0.02 | t | 79539 | EHQTGTW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | 0.017 | -0.009 | -0.01 | t | 59425 | SLQTYVTQ QLIRAAEIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.02 | t | 115664 | YGSLPQKA QGHRPQD ENG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 132690 | TCSADGGT LFYNLCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.017 | -0.039 | -0.039 | t | 46738 | PAADRAA APDAVAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.032 | -0.003 | -0.003 | t | 105084 | AFNRFGEG LVQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.007 | -0.018 | -0.02 | t | 5059 | ATMPCLS HPSVCKHL Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.045 | 0.021 | 0.02 | t | 34981 | LATCPEHQ LTWDPID GRVVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.02 | t | 60329 | SPVTLTES VFPFLR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 140610 | TQWQGFS VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.018 | 0 | 0.002 | t | 149367 | LKGDSFYF GKGLINV | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.002 | -0.021 | -0.02 | t | 43578 | NEDQKIGI EIIKRALKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.002 | -0.021 | -0.02 | t | 43578 | NEDQKIGI EIIKRALKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.025 | 0.02 | 0.03 | t | 44897 | NLTDINL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.03 | t | 44897 | NLTDINL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.021 | 0.029 | t | 130599 | RQGEEVY MWRDSTM PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.01 | t | 117122 | YTYTDYST RPHY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.015 | -0.007 | -0.009 | t | 50049 | PWRELWA SR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 116838 | SYEFRHH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.019 | -0.03 | -0.023 | t | 136688 | TPAGWFR WGIWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.024 | 0.021 | 0.032 | t | 111311 | GEADFNM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.044 | -0.06 | -0.06 | t | 19064 | GDNNTYG GWFKDGQ W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.007 | 0.001 | 0.007 | t | 136136 | APDGAVF QLDRP | Dicentra rchus labrax |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | 0.002 | t | 106274 | ATLAPNPQ SMMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.008 | -0.023 | -0.02 | t | 104254 | SPFLKAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.002 | -0.021 | -0.016 | t | 149506 | VEFTDHLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.001 | t | 153332 | ACKDHAT DLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.004 | -0.033 | -0.03 | t | 3828 | APSWGLS RI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.013 | t | 113014 | GSLPQKSQ RSQDENG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.027 | 0 | 0.001 | t | 14778 | EVLYHMPL AGVYRALK KQLE | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.027 | 0 | 0.001 | t | 14778 | EVLYHMPL AGVYRALK KQLE | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.007 | -0.02 | -0.018 | t | 44250 | NIIRTKKQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 153344 | ACRDHSDL WCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.004 | -0.029 | -0.028 | t | 44844 | NLPSTETR HVTR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.006 | -0.013 | -0.01 | t | 127629 | DRWSSLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.003 | -0.03 | -0.03 | t | 141615 | DHDLRIRR TAQI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|----------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.003 | -0.03 | -0.03 | t | 141615 | DHDLIRRTAQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.05 | 0.051 | 0.06 | t | 133602 | HSIYSEWQPMWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.001 | 0.01 | t | 48511 | PLTNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 78214 | MWPQKT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.013 | -0.01 | t | 104320 | TTYYLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.007 | -0.029 | -0.028 | t | 24595 | HQNILRVAQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.048 | -0.051 | -0.043 | t | 115613 | HCLGKWLGHDPKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.006 | -0.02 | -0.019 | t | 46795 | PAFLGCCSRFSGSFSGVEP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.017 | 0 | 0.001 | t | 110834 | EQLKGQGGKSRLGDLYEEEMR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.053 | -0.081 | -0.082 | t | 8529 | DHARPTSVWLSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | -0.009 | t | 133542 | DGRRDVVRSATFYL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.001 | -0.017 | -0.02 | t | 57211 | SDGYPPNRQDPRFTDTLVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.011 | 0.022 | t | 78251 | PTNNLDHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.025 | 0.003 | 0.003 | t | 113703 | PQKSQRSQDENG | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 5583 | AVTRGTINDPQRAKEALD | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.025 | 0 | 0.002 | t | 8035 | DEIVSYNT KNKPLN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.015 | 0.025 | 0.02 | 0.032 | t | 40938 | LYRPSDSSL AGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.011 | -0.03 | -0.03 | t | 46198 | NTNSGPD DQIGYYRR ATR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | 0.012 | t | 78247 | PQNAFDH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.045 | 0.036 | 0.05 | t | 62851 | TAGGQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0.01 | t | 59687 | SMIRDLL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.011 | -0.04 | -0.038 | t | 10240 | DSSPDYTF TSAR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 141754 | SSSKTWG APLYY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.037 | -0.03 | t | 112304 | SAHKGFKG VDAQGTL SKIFK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.043 | -0.059 | -0.058 | t | 104184 | PRGRRQPI PKARRPEG RTWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | 0 | t | 117088 | SRLPLSQP SPNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | -0.003 | -0.007 | 0 | t | 78208 | MPTKSL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.017 | -0.01 | t | 112048 | ATASTMD HARHGFLP RHRDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.005 | -0.017 | -0.018 | t | 9600 | DPARDCV HNICIFAG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.011 | -0.009 | -0.01 | t | 45398 | NPLYGSRL GVPDTLG GDPKF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | 0 | t | 106881 | SVMTSNP DRTFI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.02 | t | 117099 | TSPHKTTL DLNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.01 | -0.03 | -0.03 | t | 105265 | KLVFFAED VGSNKGA | Canis familiaris |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.014 | 0.007 | 0.01 | t | 127677 | GTNTAQK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.046 | 0.023 | 0.02 | t | 9635 | DPGDLVEY IMNYTGN QQSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.03 | -0.028 | t | 51296 | QLCQLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.02 | -0.01 | t | 79291 | LIPFNS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.023 | -0.02 | t | 52599 | QTQPSKPT TKQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.02 | -0.023 | -0.024 | t | 23180 | GVTSAPDT RPAGSTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | -0.003 | 0.001 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.019 | -0.003 | 0.001 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.019 | -0.003 | 0.001 | t | 33198 | KRNEKWD EVYKYIVT NWLA | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.01 | t | 130761 | CSRTSSRTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.007 | 0.01 | t | 104230 | RTRNQPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.025 | 0.001 | 0 | t | 70908 | VSDTEAEE EEEQPKVD ANAD | Canis lupus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 106850 | SLQQLYDE YPGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.028 | -0.049 | -0.049 | t | 46255 | NTRVTGG VQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.03 | -0.04 | -0.038 | t | 153907 | YSKISEYRH YCYSLYGT TLE | Cavia porcellus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.047 | 0.03 | 0.034 | t | 120849 | NSQPEILE RTRAELD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.002 | -0.021 | -0.017 | t | 32780 | KPLAMDP LHVST | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0 | -0.023 | -0.022 | t | 157220 | ERRQSRRG GRDD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | -0.007 | 0 | t | 112319 | SKIFKLGGR DSRSGSP MARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.009 | 0.002 | t | 111412 | IANYYGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.056 | 0.048 | 0.06 | t | 53194 | RARGIYET ETRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | 0.017 | -0.01 | -0.009 | t | 41727 | MIKAAFLP TGAFMAD RYKSH | Aotus nancymae |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.019 | 0 | 0.002 | t | 13680 | EPKKDKKK KTDEAQPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 106874 | SSVYSPSPL SLV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | 0 | 0.01 | t | 6331 | CGPFYLSA PQC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.008 | 0 | 0.01 | t | 6331 | CGPFYLSA PQC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.028 | 0.01 | 0.012 | t | 118829 | GVLGQA SQLNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 78069 | WIEEWMF IPVMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.02 | -0.029 | -0.02 | t | 78943 | CTRLHTGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.033 | 0.006 | 0.012 | t | 32809 | KPNNDFH FEVFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.042 | -0.047 | -0.036 | t | 119454 | GGIKKIRLP SDDVWLP D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.035 | -0.05 | -0.049 | t | 105809 | GDFGSLAP RVARQLPA SFNY | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 78214 | MWPQKT | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.037 | -0.054 | -0.049 | t | 67164 | TVSRVPW TAWAFHG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.039 | -0.031 | t | 133525 | ATWYEW NPPWVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 79297 | LQKVHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.031 | -0.06 | -0.062 | t | 139227 | RGDLQVLT PK | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 140556 | DWRHFME S | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.002 | -0.02 | -0.016 | t | 97601 | RGRRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 117113 | WPMNTD DSTRPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.008 | -0.001 | 0.004 | t | 149393 | NMERDLA SGLIGPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.021 | 0.02 | 0.029 | t | 65996 | TRAPRREE LEWDDDED H | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.007 | -0.021 | -0.02 | t | 10152 | DSKGNVP AGVTPSKY GLGGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.062 | t | 110067 | VSTLIELPD EIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.003 | -0.004 | t | 23180 | GVTSA PDT RPAPGSTA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.024 | -0.04 | -0.038 | t | 49116 | PQRKTKR NTNRR | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.02 | t | 7514 | DAGDSAYS Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0 | t | 38659 | LPQSGPIG GIKSMGIT TLVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.022 | 0.007 | 0.011 | t | 77776 | CNCKAPET ALCARRCQ QH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.043 | 0.017 | 0.021 | t | 98379 | QNTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.013 | -0.029 | -0.03 | t | 52117 | QQQGQTV TKKSAAEA SKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 153351 | ACTYSPRD MCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 104123 | MNKTFSA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.003 | 0 | t | 107950 | KSQPNQT NNYHLLRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.022 | 0.001 | 0 | t | 14110 | ESAGTQED AAALRAFT EAMT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | -0.01 | t | 109917 | SHQESTRG RSRGRSGR SGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.007 | 0 | t | 112127 | GGDRGAP KRGSGKDS HHPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.017 | -0.04 | -0.038 | t | 67719 | VAPSMAX SIPAK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.01 | -0.013 | -0.021 | -0.01 | t | 66121 | TRVPRR | Pan troglodytes |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 116954 | DPTDYSTR PHMW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | -0.001 | 0.01 | t | 6330 | CGPFFLSP TSC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.03 | 0.04 | t | 33364 | KSKDLQSA P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.043 | -0.031 | -0.05 | -0.052 | t | 159302 | YVLNSKLH NSRSFDKF KWIQ | Aotus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.004 | -0.02 | -0.017 | t | 59952 | SNYCQIYP PNANKIR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.013 | 0.02 | t | 53874 | RGGDQPYI FLFAHIP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.013 | -0.027 | -0.029 | t | 9043 | DLDFSADF ASLSPFMI REAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.029 | -0.02 | t | 116953 | DNHSPVNI AHKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.031 | -0.06 | -0.062 | t | 77979 | QPPQWL WPQKEV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.013 | -0.009 | t | 26996 | ILDGDNLF PKVAPQAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 127737 | MHETTKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.014 | -0.011 | t | 138200 | KSTSSLRD NSPPVCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.02 | t | 108037 | MTQMPT NHAMQLI LE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.037 | 0.007 | 0.011 | t | 74462 | YKIGDNW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.004 | -0.027 | -0.019 | t | 135906 | DALAVDQ MGRFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.035 | -0.043 | -0.036 | t | 108599 | QGDAKKG ANLFKTRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.015 | -0.037 | -0.04 | t | 34153 | KVPAWAR RL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.021 | -0.01 | -0.01 | 0 | t | 134170 | MVRHENR CVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 140610 | TQWQGFS VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.007 | -0.017 | -0.02 | t | 6200 | CESSLCLM YSLGPPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.025 | 0.009 | 0.01 | t | 53545 | REKEELKR DKEGKVST LPLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.025 | 0.009 | 0.01 | t | 53545 | REKEELKR DKEGKVST LPLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.025 | 0.009 | 0.01 | t | 53545 | REKEELKR DKEGKVST LPLD | Mus musculu s |

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|---|------|---|---|---|--------|---|---|------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 142435 | KTDGKGEE SE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 125870 | EEEEEEEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.01 | t | 125871 | EEEEEEEE E | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 125870 | EEEEEEEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 125871 | EEEEEEEE E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 125870 | EEEEEEEE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 80002 | RKADLEKA LEGAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 79356 | RAVIWAW MWE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 96674 | NGDGNPR EVIED | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 79743 | AALAARKA DLEKALEG AM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 64334 | TIITRDIAR DPDKLRKI AEN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |

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|---|------|---|---|---|--------|---|---|------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 65343 | TNINSDSQ GRQQMT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 45880 | NSKTPAPA PAVPVKKE ATK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.01 | t | 56290 | RVFPRGTV ENPDKARE LLNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 44852 | NLQKDEP NGRASDT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 56432 | RVTTTSQA QDAAGLK EKAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 44174 | NHVRIPIG YWAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 56432 | RVTTTSQA QDAAGLK EKAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 56290 | RVFPRGTV ENPDKARE LLNK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 56432 | RVTTTSQA QDAAGLK EKAD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 56432 | RVTTTSQA QDAAGLK EKAD | Mus musculu s |

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|---|------|---|---|---|---|---|---|------|---|-------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 43796 | NEYGVEG GRVNAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 56290 | RVFPRGT ENPDKARE LLNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 36963 | LKMLNRD LEQAYNEL SGEAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 45878 | NSKNPVP VKKEAKLS EAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 39183 | LRRDLAS REAKKQVE KALE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 43796 | NEYGVEG GRVNAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 39183 | LRRDLAS REAKKQVE KALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |

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|---|------|---|---|---|---|---|---|------|---|-------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 43415 | NDDITSMT PILSGVGP GNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 52910 | QYGLEKRD NGHQGE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 48513 | PLTRATAD NKDELIKR ANDY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 50716 | QEVFSLVK EPILKQTQ ASSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 43796 | NEYGVEG GRVNAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 23341 | GYGESRPV ADN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 30704 | KFDFDKSK VKENSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 11603 | EEERTFTEL PYEARYKA WKS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 11155 | EAPKSHSIS NNEQLINE LND | Mus musculu s |

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|---|------|---|---|---|---|---|---|------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 11893 | EETKNKEL DKKNKELD SRVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 24587 | HQLADAA RREVLKGE TVPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 14772 | EVLTRRQS QDPKYVT QRIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 14279 | ESSTVKA ESSTVKAES STIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 12536 | EINTEEEG TPDQISSLI EK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 14300 | ESVLQAQ MAAQQLP VIGGIA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 14280 | ESSVDRRP METVSKD S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 33025 | KQLIAKDP KNKETYEK N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 31718 | KKTKDTKP VVKKEERQ NVN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 12229 | EGNARLA QAQEEAL RDVLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 9463 | DNGKAIYE RARERALQ ELGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 5562 | AVTKGTIN DPEA | Oryctola gus cuniculu s |

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|---|------|---|---|---|---|---|---|------|---|-------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 10204 | DSPIEQPRI IPNGGTLT N | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 9463 | DNGKAIYE RARERALQ ELGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 2156 | AKAVAAW TLKAAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 5563 | AVTKGTIN DPQAAKE ALDKY | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 745 | ADPQKQN SVSNDSVT INVYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 675 | ADHPSYTA AKDEVLSH FSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 1015 | AEKKVEAK VEVAENN VSSVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 9538 | DNPSSVPK KAAELYDK IK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 9463 | DNGKAIYE RARERALQ ELGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 9888 | DQPVDHH RYTEANDA VLQGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 9537 | DNPRYTD AHNAVTVQ GRTVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 562 | ACHNTSKP SNTDSVFS LTGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 9539 | DNPSSVPV KAAELYD KIK | Mus musculu s |

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|---|------|---|---|---|---|---|---|------|---|------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 8000 | DEGPKDIT DSLPA WRDKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 8566 | DHSDLVAE KQRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 5582 | AVTRGTIN DPQRAKE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 5584 | AVTRGTIN DPQRAKE ALDKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 8469 | DGPQKSV SQGGVSL DLYSKL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 4013 | AQNFRNI MHGSDSF FYTFTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 7093 | CSTLVEKD VAPKDELE MLAW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 8841 | DKARELLN KYDVENS MLQAN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 5582 | AVTRGTIN DPQRAKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 7629 | DARSVNG EFPRHVKL KNEIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 4740 | ASREAKKQ VEKALE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 280 | AALGHQH AHNEYQA KLAEKD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 643 | ADDHPGA VAARNDV LSGFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.01 | -0.03 | -0.03 | t | 105164 | EFRHDSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 121368 | HDDPQLG AEAQAFTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 117095 | TISNRDYIR PMD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.009 | t | 103991 | IMEQCFEI GCPATN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.016 | 0 | 0.002 | t | 60978 | SSEVAVLY QDVNCTD V | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | 0.006 | -0.021 | -0.02 | t | 49393 | PSGYCGRE CGIKKGS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.005 | -0.039 | -0.041 | t | 149350 | KRIHIGPG RAFYTT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.024 | -0.049 | -0.05 | t | 33851 | KTRVYTNN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.004 | -0.019 | -0.019 | t | 78854 | TKDTNNN LKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.034 | -0.05 | -0.048 | t | 914 | AEGCVGR VCDSTRAM AVM | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.008 | -0.017 | -0.02 | t | 104309 | TLPQPPCA HGQHYGH HHHQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.03 | 0.011 | 0.012 | t | 53046 | QYVLATYD TSRVEHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.03 | 0.013 | 0.01 | t | 39664 | LSSKAVNH IRSVWKDL LEDT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.057 | -0.05 | t | 112273 | QRPFGFY GGRASDY KSAHKG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.028 | 0.01 | 0.012 | t | 149477 | SSSTVGYP GKYPSVI | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121741 | QCVLAIFN DVYWLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.031 | t | 64837 | TLHLPHLW RPLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.017 | -0.008 | t | 106535 | IFPSFLRPD PPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.001 | t | 124013 | DKRQLQS GQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.029 | -0.033 | -0.02 | t | 79658 | THQRPAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 127739 | MHLNTAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.034 | -0.031 | t | 138196 | KLTSSLRC NCPPLRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.045 | 0.033 | 0.05 | t | 156755 | SGFSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.001 | -0.023 | -0.02 | t | 31885 | KLKGFGAA RV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | 0 | -0.03 | -0.028 | t | 63832 | TGGAGYFY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | 0 | -0.03 | -0.028 | t | 63832 | TGGAGYFY | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.017 | -0.011 | -0.01 | t | 21510 | GNRPVRP QVYFSASS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.01 | t | 142576 | DGASYSW MYEA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.01 | t | 142576 | DGASYSW MYEA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.026 | -0.037 | -0.03 | t | 106427 | FSYLNHLIT NMAQRT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.001 | 0.003 | 0.01 | t | 78191 | KVRVSD | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 153343 | ACRDHLY GSCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121183 | CVRGEYST CSAFRVF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 78261 | RKFLAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.066 | 0.037 | 0.038 | t | 96063 | AEDKEDD AED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.066 | 0.037 | 0.038 | t | 96063 | AEDKEDD AED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.044 | 0.066 | 0.037 | 0.038 | t | 96063 | AEDKEDD AED | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.012 | -0.013 | -0.01 | t | 66879 | TTTTQTQP SKPT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.007 | -0.008 | t | 110955 | NQNPGSP RPGSTGT WNPSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.013 | -0.009 | t | 48594 | PNAKSVKE YLDKVRAT VGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 112721 | WHAPQTP YWASM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.023 | -0.047 | -0.05 | t | 45178 | NNMSCLS HETICGRN P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.007 | -0.004 | t | 52020 | QQFGRD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.02 | -0.018 | t | 52599 | QTQPSKPT TKQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.016 | 0.029 | t | 132780 | APHWGQ N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.031 | t | 79185 | DLWSVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121739 | QCSLAIRIP YQKLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.015 | -0.01 | -0.008 | t | 147400 | VVILVAVN EK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.022 | t | 126341 | ITGHCQG DGYRVGF G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.003 | t | 130518 | ITQSTQSF NDFTRVV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 137414 | HAPRYHTI YGWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.023 | -0.018 | t | 48708 | PNTALLSL VL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.004 | -0.017 | -0.018 | t | 33776 | KTMIRFGD VGLDLDFS AFDA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.001 | t | 108825 | AVLMLPV WACLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.005 | t | 131083 | SQTTANPS CPEAT | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.017 | -0.008 | t | 106853 | SLWTPYPD QLSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.025 | -0.053 | -0.047 | t | 45770 | NSARVGTS SCRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0.01 | t | 35128 | LDDWGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.009 | -0.01 | t | 51484 | QLPQGTTL PKGFYAEG SR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.01 | -0.03 | -0.03 | t | 105265 | KLVFFAED VGSNKGA | Canis familiari s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.013 | -0.011 | t | 104955 | QRSGRGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0.01 | t | 66390 | TSQPRWH QKPAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.009 | 0 | t | 6725 | CNRLPREL C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0 | -0.02 | -0.02 | t | 44563 | NKNTLQA RQQTVSA | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.009 | -0.013 | 0 | t | 79547 | FHQMPDA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.007 | -0.031 | -0.029 | t | 119563 | EDHRQVV EVTVGLQL I | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.007 | -0.031 | -0.029 | t | 119563 | EDHRQVV EVTVGLQL I | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 5584 | AVTRGTIN DPQRAKE ALDKY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.031 | 0.017 | 0.022 | t | 108289 | ATNIFIEGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.033 | -0.029 | t | 117519 | GRGTVAA AAAAAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.003 | -0.019 | -0.018 | t | 45250 | NNSPAVYL LDGLRAQ DDYNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.032 | -0.049 | -0.048 | t | 149468 | SKHPNWT NTQVRSSL | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 147563 | CYGTEPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 72561 | WHWTWL SDYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.013 | -0.043 | -0.038 | t | 16397 | FKLKAIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.022 | -0.001 | 0.001 | t | 43438 | NDFPINELI LDTDLISKI E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.009 | 0.007 | 0.008 | t | 108086 | QTRGFPSC ERGYLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0.007 | t | 117140 | DWEYSVW LSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.017 | 0.021 | t | 108380 | GGETLLH MA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.012 | t | 127683 | HFHRPYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 79156 | APHELR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.014 | -0.013 | 0 | t | 78372 | ELAASAIV G | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | 0.007 | -0.034 | -0.04 | t | 54393 | RKLWCHH FC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.009 | 0.013 | 0.022 | t | 106923 | TQQSAWP DTSFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.027 | -0.016 | t | 119635 | RGWKHSV TYS CCPDT PY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.005 | -0.033 | -0.038 | t | 128812 | GTFKAFDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0.028 | -0.003 | -0.002 | t | 98682 | AEPEQSLA CQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.036 | 0.01 | 0.01 | t | 24013 | HHPVDLA DWELIESP ED | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.014 | -0.001 | 0.001 | t | 44468 | NKCKMNL QDNNGN DIGFIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 112723 | WHQTYTS SLWES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 133659 | NPWYNDL SLLTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.008 | -0.007 | 0.005 | t | 124202 | GPAQITCT PRGWDSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.02 | -0.041 | -0.04 | t | 43589 | NEECTKLK GESGYCQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.047 | -0.037 | t | 132233 | DSGCVIN WKGRELK C | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 24591 | HQLDPAF GANSTNP D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.017 | -0.03 | -0.027 | t | 136818 | ANFIIFRPV V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.019 | -0.011 | t | 17553 | FQWSWYT PPRPS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.007 | 0.023 | 0.003 | 0.002 | t | 67519 | VAAKGAD TKSRSNQG TRD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | 0.002 | t | 79038 | PFWLSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 78025 | TALSPTGL RLQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.018 | -0.007 | -0.01 | t | 21729 | GPPLGCLS LSCYDVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.039 | 0.03 | 0.04 | t | 12225 | EGLTATTF EEDGVAA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.038 | -0.039 | -0.033 | t | 10686 | DVNLHSSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.04 | 0.052 | t | 108619 | SESTIQNLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.02 | t | 115664 | YGSLPQKA QGHRPQD ENG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.029 | 0.023 | 0.031 | t | 99633 | RQNNLSL MFFAG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121673 | NVKKLCVA KPLVDSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.009 | t | 78310 | WHTSYLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121679 | NVQVLCV ASPLVDVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.014 | -0.04 | -0.041 | t | 94765 | AAPSTLTA RENIP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.017 | 0.023 | t | 103477 | PGSGFWS FGSEDGS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.004 | -0.001 | t | 73159 | WTTCQSIA FPSKTSASI GSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | 0 | -0.03 | -0.03 | t | 105600 | WRSKRDA FTNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.05 | 0.047 | 0.042 | 0.047 | t | 136561 | PTDNDHT FDALQ | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.051 | -0.08 | -0.08 | t | 80049 | TGELTMY WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.019 | 0.01 | 0.019 | t | 122387 | GVGARLPE QPPPFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.054 | 0.029 | 0.03 | t | 42441 | MQWNST TFHQTLQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.028 | 0.011 | 0.012 | t | 149364 | LGGPSGSA ALKAAVD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.001 | t | 153358 | AHPPWPL QYVFRGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.018 | -0.01 | -0.01 | t | 67651 | VAKQHVR DGRKDSL DGF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.023 | 0 | 0.003 | t | 65788 | TPTPTPT SPTP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.021 | -0.017 | -0.008 | t | 106741 | QQFAPWP NWTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | 0 | t | 638 | ADAVSRKK MD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.12 | -0.12 | -0.104 | -0.12 | -0.119 | t | 144873 | ATWVDLV LEGDSCLTI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.019 | -0.021 | -0.03 | -0.02 | t | 14583 | ETVARMF PDFR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.021 | t | 76556 | YYNMAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.028 | -0.031 | -0.021 | t | 20105 | GGYPQQ MVRHFA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | 0 | t | 96521 | KVTKEKPT PP | Homo sapiens(human) |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.016 | 0.01 | 0.019 | t | 79519 | AQGNSVK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.034 | 0.023 | 0.032 | t | 106427 | FSYLNHLIT NMAQRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 125426 | GQQQPFP PQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.024 | 0.013 | 0.02 | t | 132820 | FGSNDPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.013 | -0.008 | t | 97170 | ADQELGD APFLDRLR RDQKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.021 | 0.001 | 0.002 | t | 35840 | LFGKGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.014 | -0.011 | t | 10432 | DTNLASSTI IKEGIDKTV | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.009 | -0.013 | 0 | t | 79658 | THQRPAT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.028 | -0.02 | -0.013 | t | 141056 | MSDGAVQ PDGGQPA VRNER | Canis lupus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 153345 | ACRDHYD QMC GGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 117088 | SRLPLSQP SPNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.011 | -0.016 | -0.01 | t | 18588 | GAGGGAG GAGAGGG AGGAGA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 58405 | SHRLLQTY WSSA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.008 | -0.04 | -0.04 | t | 105080 | AFNHFG RLVQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.007 | -0.01 | -0.009 | t | 110955 | NQNPGSP RPGSTGT WNP GSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.018 | -0.04 | -0.04 | t | 30235 | KDRRSTGK SWGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 117099 | TSPHKTTL DLNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.023 | -0.05 | -0.05 | t | 141615 | DHDLIR RTAQI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.01 | -0.013 | -0.006 | t | 64882 | TLKQAPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.039 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.039 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.039 | t | 105127 | DAEFRHD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.005 | -0.011 | -0.01 | t | 74376 | YISQKFMP QHNPLQD | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.003 | 0.011 | t | 104246 | SHITAETA KRRLARGS PPSL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.024 | -0.039 | -0.038 | t | 12218 | EGLLLLDV TPLTLGIET AGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 10853 | DYAWDQT HQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.048 | 0.049 | 0.053 | 0.062 | t | 106608 | LIQIDHPES LLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 79376 | RRIFRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.047 | -0.069 | -0.071 | t | 9619 | DPDYVPPV VHGCP LPP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.019 | -0.003 | -0.008 | t | 119498 | MRKSTGT AS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.057 | 0.05 | 0.062 | t | 57531 | SELPQWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0 | -0.02 | -0.018 | t | 52599 | QTQPSKPT TKQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 153352 | ACVLPWS HVC GGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 153355 | ACWLPLTR LC GGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 138089 | WLRPPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 137941 | PFRSYTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 153358 | AHPPWPL QYVFRGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 138088 | WLDLSKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 144081 | SLWQDRL NAMQS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |

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|---|------|---|---|---|---|---|---|------|---|--------|---------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 143932 | HNIWSAP RLIFN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 138097 | YPYPLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 153455 | RVPNVLP LPFLGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121842 | SGGVLLPC YSFSWSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 131914 | IKKEKPF SNKVECA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121978 | VIEPVT PRNYIGIP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 130555 | MHNRTQA LEDSR | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121735 | QCCLAIPH TENSPLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121847 | SGVFLSVP ESYFGSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121843 | SGLGLFPY SSFIWSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 118060 | PPPGMRP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121948 | VAKPRDPI NYLHIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121701 | PDSPQRV AEAEAVSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121736 | QCFLAITNI QLILPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121670 | NVFQLEVA MALVDGL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121671 | NVKELLVA SPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121183 | CVRGEYST CSAFRVF | Mus musculu s |

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|---|------|---|---|---|---|---|---|------|---|--------|------------------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 130612 | SPNTAHIT SKSL | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 130859 | GLLAQQM DY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 122013 | VTLPHP WVLINIVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 131856 | EGSTDVDE PLEVFISAP RSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121672 | NVKHLSVA YPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 131165 | YRWLPSS A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121846 | SGVCLLPRI SDVVSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121686 | NVVPLSVA NPLVDAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121674 | NVKKLLVA KPLVDWF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 130622 | TGLVAQG TDSIG | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121970 | VGNPFRPK NYSGIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121827 | RVVPLLVA DPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 132712 | TWSADGG TLFCNMC H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121675 | NVKKLLVA NPLVDSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121368 | HDDPQLG AEAQAFTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 130614 | STLPYLPTY SKH | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121849 | SGVPLYSHI SYVISC | Mus musculu s |

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|---|------|---|---|---|---|---|---|------|---|--------|-------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121184 | CVWGYSTPRPFRVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 130509 | HKKDFAR GPGWS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121769 | QVRLAIDC PNHDAPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 132640 | RTDDKMR MSHSLSH H | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121737 | QCRLAISRYVSGLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 132149 | AHRRREPT REITDYR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121685 | NVVPLIVA SPYVDAF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 130607 | SHNLVSSA FPSA | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121677 | NVLALCVH SYLVDGA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 132690 | TCSADGGT LFYNLCL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121743 | QCYLAIYN FFLLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121742 | QCVLAIFN NVYGLPY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121370 | HDSPQFIA EASAFHF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121679 | NVQVLCV ASPLVDVF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121844 | SGRALAPA VSWPLHV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121600 | LVLGHYST DGRFRVP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121841 | SGGSCLPV ISHYASC | Mus musculus |

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|---|------|---|---|---|---|---|---|------|---|--------|-------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 132767 | YRDKSYPS PFWCHRT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 132689 | TCSADGGT LFYNLCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 125376 | DHTLFSTG HSHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 132403 | KHRPHGY NSLVNTQ V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121717 | PRRPVDV GNYWNIP S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121740 | QCSLAITIR PWMLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121725 | PVHGLYST NLDFRVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121972 | VHAPSNP ANYCTIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 130599 | RQGEEVY MWRDSM PA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121458 | KDTPQTSA EAEAF LF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 131048 | RQSDGQY QM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121680 | NVQVLSV ARPLVDYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121848 | SGVPLCPL ESNVISC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121361 | GVHAAYST YPFFRVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121164 | CDNPQAE AEAHA FVF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121826 | RVVGPYST STWFRVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 122022 | VVFPVPPP NYINIPS | Mus musculu s |

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|---|------|---|---|---|---|---|---|------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121695 | PDAPQAT AEANAFGF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121778 | RDDPQLFA EAYAFCF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 131041 | RLVGQQV MQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121779 | RDIPQRFA EAQAFNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121734 | QCCLADD ECLLSLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121733 | QCALAIW NDRKVLPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 130787 | EDFDIYDE DE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121739 | QCSLAIRIP YQKLPI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121845 | SGRALLEF SCFKGSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121850 | SGVRLAPF FSTRTSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121986 | VLCFWGP VNYEASPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 122020 | VVDPHGP PNYINIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 116978 | FPSHYWLY PPPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 117059 | PQTDGSTR PRGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 115268 | GLQYTPS WLVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 115268 | GLQYTPS WLVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 103104 | DFLIEEIERL GQDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 116954 | DPTDYSTR PHMW | Homo sapiens |

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|---|------|---|---|---|--------|---|---|------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.01 | t | 103104 | DFLIEEIERL GQDL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 106428 | FVEIYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 102069 | SKSSITITN KRLTRKC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 106642 | MHLNTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 106429 | FVLPWRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 106628 | LSSREPQA R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 103477 | PGSGFWS FGSEDGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 106647 | MHLTTNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 106235 | AGFNVPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 103104 | DFLIEEIERL GQDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 106652 | MHTPNRSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 97595 | QTPLTMA ALELF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 61212 | SSMGAYW GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 76287 | YVGPLTQT LYGM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 72561 | WHWTWL SDYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.01 | t | 62440 | SWFDNFL YPTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0 | 0.01 | t | 66347 | TSNTHACR TCSNPCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 91218 | DVLEATYA MVQHVAK | Capra hircus |

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|---|------|---|---|---|--------|---|---|------|---|-------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 91222 | EAITDRIM LYQE | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 63697 | TFLARG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 97288 | ETQLTTAG LRLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 97359 | GPGR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 97601 | RGRRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 66347 | TSNTHACR TCSNPCR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.01 | t | 65568 | TPFHHQH STGFT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 70499 | VPVDAPH AGTKPHSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 72562 | WHWTWL SEYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 62502 | SWWNLP QIG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 75588 | YREACTNG KCFVLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 97594 | QTPLTETA LKWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 63451 | TELKLAPP VLNAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 73015 | WQWTWL CEHPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 62328 | SVSLPYAN LATH | Mus musculu s |

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|---|------|---|---|---|--------|---|---|------|---|-------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 78256 | QYPALTA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 97596 | QTPLTMA ALELL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 72551 | WHRPPW WPSSSL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 46371 | NVESQPG GQPNT | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 57754 | SFFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 42546 | MSESHVKI SRTIIRGTS PST | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.01 | t | 45006 | NMMRFTE LSTPS | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 39160 | LRPFHQILY GMS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.01 | t | 45004 | NMMKYIS PPIFL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 45004 | NMMKYIS PPIFL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 46677 | NYNWKR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 40938 | LYRPSDSSL AGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 60292 | SPTRAVNE LFGM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 59227 | SLKLMATL FSTYASAD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |

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|---|------|---|---|---|---|---|---|------|---|-------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 44554 | NKND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 17553 | FQWSWYT PPRPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 33364 | KSKDLQSA P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 25126 | HWGNHSK SHPQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 24950 | HTNLPQAL WGMQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 32862 | KPRDTLPP PLNRPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 33414 | KSLKNINR P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 24391 | HNNQRLM LYGMH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 33767 | KTLRNTNR L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 30980 | KGIPNTKA P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 33846 | KTRRMRID Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 20420 | GIREVWP AG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 33851 | KTRVYTNN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 31079 | KGTTGVR NT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 15468 | FDTGA FDP DWPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 15982 | FGGETFTP DWMMEV AIDNE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 15468 | FDTGA FDP DWPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 33850 | KTRTHTNA T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 952 | AEGQLG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 610 | ACYLPFQL SCGGKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 6020 | CAQQWPE WYPC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 9362 | DMFQIGK YG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 563 | ACHPLFDA RCGGKS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 6924 | CRGDDFP AWYC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 6276 | CGAVIDDC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 6020 | CAQQWPE WYPC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 1570 | AGISYTKT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 6249 | CFPYCYP ESA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 6510 | CKPIDAER GLC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 6501 | CKLSQGAP DSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 6501 | CKLSQGAP DSC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.076 | -0.068 | -0.079 | -0.074 | t | 6405 | CHRPHPG G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.007 | 0.011 | t | 104991 | STGERIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.052 | t | 132798 | EDFDIYDE DENQSP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.007 | 0 | t | 112191 | KYLATAST MDHARH GFLPRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.001 | t | 108825 | AVLMLPV WACLS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.032 | t | 34963 | LASLCNPK PSDAPVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.027 | 0 | 0.001 | t | 14778 | EVLYHMPL AGVYRALK KQLE | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.01 | t | 116953 | DNHSPVNI AHKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.019 | -0.001 | 0.002 | t | 13680 | EPKKDKKK KTDEAQPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.003 | -0.027 | -0.03 | t | 6200 | CESSLCLM YSLGPPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.027 | -0.02 | t | 112127 | GGDRGAP KRGSGKDS HHPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.001 | t | 78232 | PHSNKSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.003 | -0.01 | -0.01 | t | 35001 | LAVFRPW KARNNGT NEYRSR | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.019 | -0.019 | -0.01 | t | 102199 | VPILNQNP TALL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.021 | -0.04 | -0.041 | t | 34589 | KYRYLRHG KLRFPERD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.04 | 0.021 | 0.022 | t | 50998 | QHEQDRP TPSPAPSR PFSVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | -0.001 | 0.01 | t | 6331 | CGPFYLSA PQC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.013 | 0.003 | 0.005 | t | 116677 | ASATQLYK TCKQAGT CPPD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121672 | NVKHLSVA YPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.031 | 0.033 | 0.04 | t | 59536 | SLVDNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 79297 | LQKVHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.002 | -0.01 | -0.01 | 0 | t | 61635 | STGPCR | Pan troglody tes |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.027 | 0 | 0 | t | 101538 | DGVMQG AIQSIIQGE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.013 | -0.029 | -0.028 | t | 104050 | LPRRGPRL GVRATRKT SERS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | t | 106856 | SMNPFPG QLVSN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.022 | -0.001 | 0.001 | t | 43438 | NDFPINELI LDTDLISKI E | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.011 | 0.022 | t | 111837 | TLQALPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 33847 | KTRRNTNY Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.001 | 0.002 | t | 52117 | QQQGQTV TKKSAAEA SKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.017 | 0.001 | 0.002 | t | 52117 | QQQGQTV TKKSAAEA SKK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.029 | -0.049 | -0.05 | t | 75905 | YSTPWRYL DFNALNLF FSPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.029 | -0.049 | -0.05 | t | 75905 | YSTPWRYL DFNALNLF FSPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 106860 | SNMSLHPL ATFI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.01 | 0.011 | 0.023 | t | 102113 | TETPYYPD YNLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | -0.013 | -0.02 | -0.018 | t | 159287 | KTQGHSY HLRRKNG VKHPVY | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | 0.002 | t | 156755 | SGFSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.03 | -0.05 | -0.049 | t | 105127 | DAEFRHD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.007 | -0.023 | -0.019 | t | 15430 | FDMATNP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0.01 | t | 25490 | ICACLCCA CSYNSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121986 | VLCFWGP VNYEASPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.009 | 0.013 | 0.01 | 0.02 | t | 73190 | WVEWAM KNFTAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.079 | -0.068 | -0.074 | -0.067 | t | 78185 | KKWLAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.039 | 0.043 | 0.052 | t | 106676 | NELSTNPN QLMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.046 | -0.051 | -0.044 | t | 63459 | TELRYSWK TWGKAK M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.033 | -0.049 | -0.048 | t | 104315 | TRKTSERS QPRGRRQ PIPKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 106646 | MHLTQSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.02 | t | 106883 | SWTPYPDL LSPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.019 | -0.04 | -0.039 | t | 28603 | ISLTEWSM WYRH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.03 | t | 127885 | VTKWYSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.039 | 0.03 | 0.04 | t | 79652 | SSFSPST | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.01 | t | 106884 | SWYSPNP GDWLS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 107881 | HDKPPDLS MQRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.017 | 0.01 | 0.02 | t | 79684 | YHQTTP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0.003 | 0.01 | t | 60719 | SRKQKNIQ LRSSNNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.01 | -0.03 | -0.03 | t | 105239 | HDSGYEV HHQK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.051 | -0.08 | -0.08 | t | 80049 | TGELTMYW VW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.003 | 0 | t | 104048 | LPNYETR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.007 | 0.009 | t | 107803 | DYANPRN TPRVADNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.029 | -0.03 | -0.019 | t | 20690 | GKTAKSNI VSQVYLN | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.03 | -0.024 | -0.02 | t | 138197 | KLTSSLRY NSPPLCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.024 | -0.021 | t | 108200 | VSLGKWL GHPDKF | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.024 | 0.006 | 0.011 | t | 18615 | GAHETSLS ASGNSIIHY TNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.029 | 0.013 | 0.02 | t | 5560 | AVTGID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.044 | -0.067 | -0.07 | t | 7945 | DESDSSD GYPPNRQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.038 | -0.023 | -0.03 | -0.023 | t | 136357 | HLKKFAGN AGTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 79415 | TCTSDILPT PHPCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0.011 | t | 50637 | QELDCWH YQHCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121686 | NVVPLSVA NPLVDAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.012 | -0.026 | -0.022 | t | 26167 | IFSQNMNI CLKMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.012 | -0.026 | -0.022 | t | 26167 | IFSQNMNI CLKMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.017 | -0.013 | -0.009 | t | 20537 | GKDRSIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.028 | 0.009 | 0.01 | t | 8637 | DIETPRAG KKESTVMT SGSA | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.031 | 0.04 | t | 7283 | CVLESHYE C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.027 | 0 | 0.003 | t | 32781 | KPLASDPL GAMP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.015 | -0.04 | -0.04 | t | 62340 | SVSVGMMK PSPRP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.019 | -0.013 | t | 136676 | TGDVDRA VYWHL | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.027 | -0.02 | t | 58395 | SHPGAV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.049 | -0.048 | t | 70428 | VPPPRRRR AKVLTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.027 | 0 | 0.001 | t | 14777 | EVLYHKPL AGVYRALK KQLE | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.02 | 0.023 | 0.033 | t | 132839 | HSISLGATP TLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.042 | t | 57532 | SELPQWI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | 0.001 | t | 39160 | LRPFHQILY GMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 153350 | ACTSPNQ WLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.063 | -0.053 | -0.07 | -0.069 | t | 111042 | TIHAHPGS RRGGRHG YHH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.032 | t | 106888 | SYSIWPD RVSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.007 | -0.01 | -0.01 | t | 66142 | TSADSLGN IDQGS LIET GES | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.015 | -0.04 | -0.04 | t | 44665 | NLDFRDLY DPRDKAKL LYNN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.035 | 0.03 | 0.04 | t | 121071 | YAINSEQS KE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 127742 | MHSPSTQ | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | 0.002 | t | 106922 | TQHWSPF PESLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.024 | -0.021 | t | 42293 | MPMRRKR KNIRSIVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.002 | -0.01 | -0.007 | t | 57751 | SFERFEIFP KE | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.009 | t | 79365 | RCYNPAE WAEPLCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.029 | 0.023 | 0.031 | t | 99736 | TTLNSFMR SFPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.03 | t | 130763 | CTRWAGR PC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.025 | 0 | -0.002 | t | 43348 | NAYCDKLC KDKKADS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.025 | 0 | -0.002 | t | 43348 | NAYCDKLC KDKKADS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.043 | -0.053 | -0.049 | t | 107170 | GSRPSPIG SKWALQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.011 | 0.02 | t | 102250 | YNQQSLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 121970 | VGNPFRPK NYSGIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.051 | -0.047 | -0.038 | t | 106874 | SSVYSPSPL SLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.027 | -0.021 | t | 107162 | GMLDIFAP IRHV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.008 | -0.03 | -0.03 | t | 32877 | KPSKPKTN LKHVAGA A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.033 | 0.023 | 0.028 | t | 8379 | DGEPPED DDSATGLA FRTPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.013 | t | 125185 | NSSSSQFQ IHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 153339 | ACPPYET WWCGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.005 | -0.017 | -0.011 | t | 13903 | EQPYLHV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 140548 | CSLSDAFN GSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.017 | -0.031 | -0.029 | t | 48782 | PPFTSAVG GVDHRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.033 | -0.02 | t | 122488 | MSAKAAL EPRLAPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.032 | t | 107021 | YNRYPEM MLVTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.009 | -0.01 | t | 36999 | LKQKALGL LQTATKQA EAAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.004 | 0.002 | t | 132614 | RLPNPDTD LYWFTLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 153330 | ACILPWKH ICGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.038 | -0.06 | -0.061 | t | 96216 | EEEGLLKKS ADTLWN MQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.029 | 0.02 | 0.03 | t | 79391 | SGVGQA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.007 | -0.023 | -0.019 | t | 14000 | ERHLTFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.012 | t | 127714 | KPWKHLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.002 | -0.007 | 0.004 | t | 120084 | LRQQWID VRLRWNP AD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.029 | -0.033 | -0.02 | t | 79555 | GHQVSRL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.013 | -0.03 | -0.03 | t | 125537 | QPVWQDE GQRLRPSK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.023 | -0.05 | -0.05 | t | 44156 | NHLYSPSV RVNH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.025 | 0 | 0.002 | t | 46927 | PARDVLCL RPVGAES | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.011 | 0.021 | 0.032 | t | 2136 | AIYHTENA YVSVVSSH YNR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.004 | -0.02 | -0.018 | t | 67972 | VDHFHLG DDMDPEL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 106827 | SESPYPSL MMVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 78076 | YMSPTGR VMTTQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 112721 | WHAPQTP YWASM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.025 | -0.049 | -0.048 | t | 38799 | LQAAVLH VPGCVPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.004 | -0.027 | -0.028 | t | 75904 | YSTPSSILD THPLYK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.041 | t | 105561 | VAVVRTPP KSPSSAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.02 | -0.04 | -0.041 | t | 105562 | VAVVRTPP KSPSSAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.039 | -0.031 | t | 72551 | WHRPPW WPSSSL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.035 | 0.03 | 0.04 | t | 130751 | CIGSPSTN C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | t | 107861 | GLEGQDT KTITFDVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.011 | t | 153340 | ACQMPH WWHCGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0 | 0.001 | t | 45416 | NPNANPN ANPNANP NENPNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.008 | t | 50043 | PWNPAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.059 | -0.063 | -0.05 | t | 79556 | GHWTRFA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | 0.017 | -0.01 | -0.009 | t | 36966 | LKMTNNAI SFMSISASL EKK | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.02 | -0.027 | -0.019 | t | 131297 | FSLRLMEE NWNAEKR SPTF | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | 0.005 | -0.03 | -0.031 | t | 79797 | DVLIRWGE VA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 121680 | NVQVLSV ARPLVDYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.02 | t | 50742 | QFCGWGE FEVRVLW P | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 106860 | SNMSLHPL ATFI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.027 | -0.02 | t | 48944 | PPVLYLPW LPWGPSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.017 | t | 141581 | YVYRWVE AECVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.07 | 0.07 | 0.081 | t | 132798 | EDFDIYDE DENQSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.009 | 0.002 | t | 111435 | IVQLTQW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.032 | 0.01 | 0.012 | t | 23520 | HADQLTP AWRIYSTG NN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.01 | 0.012 | t | 23520 | HADQLTP AWRIYSTG NN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.036 | 0.02 | 0.03 | t | 111444 | KDQTNYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.012 | t | 106741 | QQFAPWP NWTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.006 | 0.01 | 0.019 | t | 144439 | QALTGTNT GGAIDGVS TTD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.001 | -0.003 | 0.01 | t | 140559 | FPYELLMQ G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.047 | -0.04 | t | 112319 | SKIFKLGGR DSRSGSP MARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 30980 | KGIPNTKA P | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.017 | 0.022 | t | 108162 | TKTSNKTT TTPFLGP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.012 | -0.003 | 0.01 | t | 78553 | VGHDGSV WAQSSSF PQFKPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 121674 | NVKKLLVA KPLVDWF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.012 | -0.037 | -0.04 | t | 104309 | TLPQPPCA HGQHYGH HHHQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.027 | -0.003 | 0.001 | t | 35547 | LEKGPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | 0 | 0.002 | t | 106652 | MHTPNR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.053 | -0.067 | -0.068 | t | 62074 | SVDDCRW NLNCEPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.017 | -0.02 | -0.019 | t | 79781 | DLKRPGSS PMEV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.028 | 0.01 | 0.009 | t | 74004 | YGGIPGGI STPITQQS EK | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.033 | -0.039 | -0.03 | t | 102249 | YNPWPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.031 | 0.017 | 0.022 | t | 108289 | ATNIFIEGT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.01 | t | 6940 | CRQTRTM PGC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.003 | -0.019 | -0.018 | t | 45250 | NNSPAVYL LDGLRAQ DDYNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.039 | 0.043 | 0.052 | t | 107032 | YTQSPTPD LMAV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0 | 0.001 | t | 45416 | NPNANPN ANPNANP NENPNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.023 | 0.021 | 0.03 | t | 75442 | YPYDVPDY AS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.023 | 0.021 | 0.03 | t | 75442 | YPYDVPDY AS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 153329 | ACFLPHPS RCGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.008 | -0.019 | -0.01 | t | 72561 | WHWTWL SDYPPP | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 121678 | NVLTLRVA KPLVDTF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.009 | -0.01 | t | 103 | AAEESKLPI NPLSNSLL RH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | 0.009 | -0.02 | -0.021 | t | 41218 | MDDDTER FPTHRSLP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.01 | t | 58405 | SHRLLQTY WSSA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.093 | -0.076 | -0.09 | -0.087 | t | 125858 | EAFQQYV GPYEGYDS T | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121670 | NVFQLEVA MALVDGL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.034 | -0.049 | -0.04 | t | 111215 | DSFTPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.034 | -0.049 | -0.04 | t | 111215 | DSFTPRA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.018 | -0.04 | -0.038 | t | 22716 | GTIVIR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 153356 | ACWPSMR DHCGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.023 | -0.012 | t | 108345 | ENPKKYIP GTK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.019 | t | 78308 | WHSSMSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.028 | -0.031 | -0.02 | t | 79660 | TPHNPAI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.018 | -0.04 | -0.04 | t | 56122 | RTLTMFS LGARQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.02 | -0.02 | t | 3656 | APMSTPS ATSVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.02 | -0.02 | t | 3656 | APMSTPS ATSVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.029 | 0.009 | 0.011 | t | 36940 | LKLKSIVS WAKKVL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.017 | -0.01 | t | 60718 | SRKQKKIR LRSSNNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.025 | 0.03 | 0.042 | t | 4938 | ATEINDNS WKDTLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121842 | SGGVLLPC YSFSWSC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.01 | t | 144036 | PSIIGGSSV DLV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.01 | t | 144046 | QLNKLQIP LSII | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.01 | t | 144102 | TMPWNQ SALTLI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.01 | t | 144059 | RKVPLLSG TLPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.01 | t | 143818 | APIQAHPL GLIR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.01 | t | 75047 | YMDTQTT LPIMW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.01 | t | 42623 | MSPRATI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.001 | 0.01 | t | 42623 | MSPRATI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.01 | t | 58405 | SHRLLQTY WSSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | 0.001 | 0.01 | t | 78977 | GDGRFHFL RGFFDSD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0.004 | 0.01 | t | 130607 | SHNLVSSA FPSA | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.013 | -0.007 | -0.009 | t | 7266 | CVFKDWE ELGEEIRLK V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.04 | -0.034 | -0.031 | t | 138234 | RRTDPNAV SPWQLTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 40552 | LVRAYAGL ARIILKW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.048 | 0.033 | 0.033 | t | 117260 | ANNGNLQ LRNKEVT WEVLEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 127740 | MHRPNLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 116953 | DNHSPVNI AHKL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | 0.003 | 0.012 | t | 6249 | CFPYCYPSES | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.042 | 0.021 | 0.022 | t | 7528 | DAHFLSQT KQSGENLP YLVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.014 | -0.023 | -0.02 | t | 108518 | LGLHALQSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.008 | -0.009 | 0.001 | t | 6549 | CLDSSRGIC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.027 | -0.021 | t | 107162 | GMLDIFAP IRHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.02 | 0.01 | 0.02 | t | 79254 | ICADDEE WYSAMCA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 121675 | NVKKLLVANPLVDSF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.03 | -0.029 | t | 103840 | DAEKPAES GGSQPPR AAARK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.015 | -0.011 | -0.01 | t | 84423 | KKGLQQL QEWEDW VGWIGN | Felis catus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.039 | 0.037 | 0.043 | t | 122194 | STVQDCV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.047 | 0.04 | 0.051 | t | 127632 | DYKNSSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.009 | -0.03 | -0.029 | t | 49629 | PTGDRHK QPLVAPAK QLL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.022 | -0.002 | 0.001 | t | 43438 | NDFPINELI LDTDLSKIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0.034 | 0 | 0 | t | 5311 | AVEVDPD DVN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|-------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.009 | -0.031 | -0.03 | t | 45667 | NRDQGRK PTPPTPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 153338 | ACPNFELH WCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.042 | t | 9585 | DPAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 109785 | RAHYNIVT FCKKCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 11571 | EEEDDDM GGLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 11571 | EEEDDDM GGLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 11571 | EEEDDDM GGLFD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.01 | t | 30093 | KCTSDQDE QFIPKGC S K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121848 | SGVPLCPL ESNVISC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 97286 | ETPLTEPA FKRH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.049 | 0.05 | 0.047 | 0.06 | t | 78316 | WQTTYSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 153455 | RVPNVLPL FPFLGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.013 | t | 24012 | HHPSTNQ EQTSLYVQ AS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.001 | 0.003 | 0.012 | t | 106995 | WMTYPDS LIISA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.044 | 0.021 | 0.022 | t | 10131 | DSGSRTTP DELALS | Homo sapiens |

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|---|------|---|---|-------|-------|-------|-------|-------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.02 | t | 10646 | DVKMME RVVEQMC VTQYQKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 149833 | LTVGHPYY QVTVGDK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 149989 | TRNSSKPA KRKKIKA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 61801 | STNSGINN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 89660 | TQKIPKAN AADADTD TT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 45252 | NNSTNSGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 46008 | NSTNSGIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 51371 | QLINTNGS WHIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 28299 | IRGDTFAT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 32570 | KNNNSTN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 9516 | DNNLVSG P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 122589 | SRLDPDPR LFLRMSTN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.041 | -0.044 | -0.043 | t | 113859 | SHHPARTA HYGSLPQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.019 | -0.01 | -0.01 | t | 77985 | QTCCDKN QGIFM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.007 | 0 | t | 103887 | EQWSLPW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.011 | -0.01 | -0.01 | t | 7661 | DAVLAPHI GGEAGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.021 | 0.017 | 0.03 | t | 79542 | EQTINQW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.003 | 0.01 | t | 60719 | SRKQKNIQ LRSSNNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.023 | -0.018 | t | 111970 | YNQNLIRH VGGGTPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.036 | 0.01 | 0.012 | t | 32811 | KPNRNGG GYYSASYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.02 | -0.02 | -0.008 | t | 131151 | WTELDDV KR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.043 | -0.07 | -0.069 | t | 47805 | PHDGNRA FPRTKVT M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 107753 | ATNMKMS NMHTLIG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.021 | t | 72552 | WHRTPSTL WGVI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.04 | 0.037 | 0.032 | 0.037 | t | 136561 | PTDNDHT FDALQ | Dicentra rchus labrax |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.022 | -0.043 | -0.04 | t | 20469 | GIVAHQR GNQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.039 | -0.03 | t | 106245 | AKYSKHPD ATLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.083 | -0.056 | -0.079 | -0.08 | t | 73904 | YFSMVGN WAKVLVV LLFAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | -0.001 | t | 78309 | WHTLLAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.003 | -0.033 | -0.032 | t | 763 | ADRQTAC NCLKNLAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 131222 | GWYSPFQ LGWPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.02 | t | 15356 | FCVQPEKG GRKPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.02 | t | 15356 | FCVQPEKG GRKPAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.009 | 0.02 | t | 29816 | KAHDLSTA SRPHVVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.023 | 0 | 0.002 | t | 40023 | LTLNYADN V | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.063 | -0.063 | -0.058 | t | 104149 | NHYFLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.028 | 0.01 | 0.012 | t | 149364 | LGGPSGSA ALKAAVD | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 153344 | ACRDHSDL WCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 78219 | NKQWYL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.008 | -0.019 | -0.01 | t | 72562 | WHWTWL SEYPPP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.008 | -0.019 | -0.01 | t | 72562 | WHWTWL SEYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.008 | -0.019 | -0.01 | t | 72562 | WHWTWL SEYPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 79416 | TCYSFPM QRAAAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.027 | 0.034 | t | 119598 | INPESDQP DLSNFMES G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.032 | t | 140585 | PWNTFAT NA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.009 | t | 153479 | TPGVERD HFVRLGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.033 | -0.029 | t | 117519 | GRGTVA AAAAAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.032 | -0.015 | -0.02 | -0.01 | t | 55655 | RRLPSAFH P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.025 | 0.021 | 0.03 | t | 61847 | STQHGPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 153353 | ACWALRD PLCGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.01 | t | 133660 | NSTWHD WNSWTH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.017 | 0.021 | t | 108380 | GGETLLH MA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.026 | 0.023 | 0.029 | t | 47856 | PHVRGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.013 | -0.041 | -0.042 | t | 73663 | YEGFWTG VTQNAKGI T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.009 | 0 | t | 111350 | GLLTAYV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 141753 | SSNDTKA WGFAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0.006 | t | 46096 | NTGEIPFY GK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.047 | 0.027 | 0.031 | t | 110794 | CDDDDDN DGVPSR DNCRLV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.006 | t | 127932 | ALYHTENA YVSVSSH YSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.019 | t | 122561 | RRFDEPRL STPALLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 78230 | PHMNYYH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.017 | -0.008 | t | 48944 | PPVLYLPW LPWGPSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.013 | -0.01 | t | 69324 | VKTKNTTT TQTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.029 | t | 103839 | DAEFRHDS GYEVH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.028 | 0.02 | 0.03 | t | 31098 | KHAQYVS AESFL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 121683 | NVSLLLVA RPKYLLF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.033 | -0.049 | -0.048 | t | 104315 | TRKTSERS QPRGRRQ PIPKA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.03 | t | 50742 | QFCGWGE FEVRVLW P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | 0.001 | 0.012 | t | 111115 | APYKLAM RDQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.026 | 0.024 | 0.039 | t | 114972 | VEQGASV DKR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.024 | 0.021 | 0.032 | t | 111774 | SGMMSN ATIANV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.014 | -0.008 | t | 117690 | WGVPIEKI YNKTSGRS LPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.019 | -0.02 | t | 27722 | INPTPFQQ GGLICAM VPGDQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.011 | -0.003 | 0.003 | t | 30292 | KEAIPMAV EMAKSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.006 | -0.019 | -0.014 | t | 10664 | DVLLLNNT R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.03 | 0.034 | 0.013 | 0.026 | t | 136136 | APDGAVF QLDRP | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.009 | -0.008 | t | 51456 | QLNRALSG IAAEQDRN T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.007 | t | 125297 | VFFEEQED EIIGFG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.053 | -0.053 | -0.048 | t | 130754 | CLKRSKLR C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.001 | -0.03 | -0.032 | t | 127609 | AVLRAPQ NPPPPGP Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.017 | -0.01 | -0.007 | t | 32780 | KPLAMDP LHVST | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.023 | -0.039 | -0.038 | t | 103961 | GVRATRKT SERSQPRG RRQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.008 | t | 72904 | WNPVYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.014 | 0 | 0.01 | t | 62712 | SYSWMYE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.01 | t | 143808 | AHKDHVV STWVP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 153458 | SELSPAML HFMFGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 0 | -0.03 | -0.028 | -0.011 | -0.029 | -0.01 | t | 45875 | NSKGKMN TCHKVGN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.043 | -0.031 | -0.05 | -0.051 | t | 159302 | YVLNSKLH NSRSFDKF KWIQ | Aotus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | 0.002 | t | 72904 | WNPVYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 107881 | HDKPPDLS MQRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.049 | -0.048 | t | 70428 | VPPPRRRR AKVLTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.013 | -0.027 | -0.028 | t | 125537 | QPVWQDE GQRLRPSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.003 | 0.01 | t | 6892 | CQQFLSVR ALC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.049 | -0.063 | -0.057 | t | 108666 | TRCAQCH TLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 122020 | VVDPHGP PNYINIPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 121369 | HDDPQRF ADAQVFP F | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.017 | -0.013 | -0.012 | t | 105086 | AGESHGP DQGHD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 122589 | SRLDP DPR LFLRMSTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.021 | 0.016 | 0.017 | t | 112472 | DEGGYTCF FRDHSYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.021 | 0.016 | 0.017 | t | 112472 | DEGGYTCF FRDHSYQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.003 | 0.017 | t | 125553 | RRPEMGD QAHMPYT TAVIHE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.011 | -0.017 | -0.018 | t | 60649 | SREQLNKL FGIE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.021 | -0.011 | t | 153340 | ACQMPH WWHCGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 122589 | SRLDPDPR LFLRMSTN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.004 | -0.01 | 0 | t | 23974 | HGYSAHA ASPNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 117059 | PQTDGSTR PRGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.018 | -0.037 | -0.04 | t | 67462 | TYSKCGSG PWLTPRC MVDYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.045 | -0.04 | -0.031 | t | 123867 | YKTAEIPG CPRHVTPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.027 | -0.06 | -0.06 | t | 55616 | RRIRMKH GTKYRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.017 | -0.04 | -0.037 | t | 67719 | VAPSMAC SIPAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.008 | t | 127682 | HFHRPYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.022 | 0.016 | 0.023 | t | 78277 | TIHGSN | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | 0.002 | t | 106516 | HNSTRAPE KLMI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.006 | -0.023 | -0.022 | t | 96277 | FAEAPFSN KG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.006 | -0.023 | -0.022 | t | 96277 | FAEAPFSN KG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.019 | -0.01 | -0.01 | t | 65631 | TPLDDTNP MENYFH WG | Sus crofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.011 | -0.04 | -0.04 | t | 54058 | RHKQKIVA PVKQTL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 140605 | TLYDALGA V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.02 | -0.014 | -0.01 | t | 138200 | KSTSSLRD NSPPVCF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.034 | -0.059 | -0.06 | t | 33850 | KTRTHTNA T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.015 | 0.01 | 0.012 | t | 126374 | KALRDGD WFWWEN SHVFTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.019 | -0.01 | t | 101902 | MFNDPRL LAGPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.037 | -0.051 | -0.047 | t | 67164 | TVSRVPW TAWAFHG Y | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.013 | -0.01 | t | 103871 | EDYWLRs | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.012 | -0.023 | -0.022 | t | 16032 | FGPNAGQ R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.015 | -0.026 | -0.022 | t | 142434 | KSTEDLSV AKDK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 96526 | LAANNPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 63122 | TDAYNQKL SERRAN | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 80002 | RKADLEKA LEGAM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 39183 | LRRDLAS REAKKQVE KALE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 43317 | NATAEGR AINRRVE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 10433 | DTNNN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 4429 | ASGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.01 | -0.03 | -0.029 | t | 105164 | EFRHDSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.037 | -0.04 | -0.03 | t | 55523 | RRAGRCPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.02 | t | 153424 | MQDSRLR LALSAGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 78026 | TAQWLSR TQMDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.012 | 0.004 | 0.02 | t | 23717 | HELSQIIS TTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.005 | -0.013 | -0.007 | t | 48594 | PNAKSVKE YLDKVRAT VGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.032 | 0.013 | 0.012 | t | 9511 | DNNDSGH STGADTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.011 | t | 75442 | YPYDVPDY AS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.004 | -0.017 | -0.004 | t | 136518 | MVRKGEK KLAKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.042 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.002 | -0.009 | 0 | t | 14294 | ESTLYTRT WS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.11 | -0.093 | -0.11 | -0.107 | t | 125845 | DSDFPIQN LPYGVFS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.016 | -0.016 | -0.029 | -0.023 | t | 136334 | GRLLLCVG NNT | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.009 | 0 | t | 111949 | WTYSPIA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 121742 | QCVLAIFN NVYGLPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | 0 | t | 124013 | DKRQLQS GQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 141755 | STDIIWK HWGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 133507 | ALPLHGSP WKWY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.009 | -0.013 | -0.01 | t | 138154 | DHRSPPW LTSLLTIS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.031 | 0.017 | 0.022 | t | 108287 | ATADYPQ KS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.029 | -0.02 | t | 7143 | CTGDARH C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.022 | t | 79285 | LDPEYWN FRNGDLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.001 | -0.023 | -0.019 | t | 31885 | KLKFGAA RV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.029 | t | 130599 | RQGEEVY MWRDSTM PA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.012 | 0.017 | 0.031 | t | 102006 | QPVQQPS GQQQQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.03 | -0.04 | -0.038 | t | 137755 | HQCHQES TGRSRGRC GRSGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.016 | -0.01 | t | 22879 | GTVTLGRF SRLSLFG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.03 | t | 79185 | DLWSVL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.021 | t | 132847 | KKEDFDIY DEDENQS P | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.012 | 0.01 | 0.019 | t | 78307 | WHSQLSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.006 | -0.03 | -0.03 | -0.02 | t | 141579 | WKVRKSFF KLQG | Rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.02 | t | 108048 | NPQPNISL SQRGYPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | -0.018 | -0.024 | -0.017 | t | 78262 | RKLGAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.01 | 0 | 0.01 | t | 51991 | QPYKLQA AATLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | 0.001 | 0.012 | t | 111444 | KDQTNYP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.022 | t | 106763 | QYTMHPL ELLVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.029 | -0.024 | t | 10664 | DVLLNNT R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.006 | -0.03 | -0.028 | t | 33215 | KRRLRPSR VRIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.047 | -0.06 | -0.059 | t | 104472 | ELLEKTVK DKIAKEQE NKET | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.016 | -0.027 | -0.02 | t | 132822 | FGSNVHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.001 | -0.003 | 0.01 | t | 79545 | FGGDADR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.007 | -0.018 | -0.02 | t | 12813 | EKMACLST LDVCMEN P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.017 | 0.02 | t | 108471 | HLRQGRN TA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 132689 | TCSADGGT LFYNLCH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.14 | -0.14 | -0.119 | -0.14 | -0.137 | t | 125843 | DRPVYPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.02 | -0.01 | t | 104348 | WHNAPNI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.005 | -0.017 | -0.011 | t | 13904 | EQPYRSM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.062 | 0.04 | 0.042 | t | 73345 | YAEPTKDP DQRPYCW HYPPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.029 | 0.02 | 0.032 | t | 127777 | PR SRLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.013 | -0.02 | -0.01 | t | 79453 | VFVKLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.013 | -0.043 | -0.037 | t | 16397 | FKLKAIE | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.019 | 0.022 | t | 130999 | PHESDATV R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.02 | t | 60329 | SPVLTLES VFPFLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | 0 | 0.004 | -0.017 | -0.004 | t | 136518 | MVRKGEK KLAKP | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | 0.007 | -0.034 | -0.039 | t | 54393 | RKLWCHH FC | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.034 | -0.06 | -0.059 | t | 6343 | CGRVCLRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.034 | -0.06 | -0.059 | t | 6343 | CGRVCLRC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.031 | -0.001 | -0.03 | -0.03 | t | 66317 | TSLSWSKP PTRSSPI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.021 | 0 | 0.002 | t | 74416 | YIWPRND YDGFLNA HEHHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.055 | -0.08 | -0.08 | t | 104461 | EFRHDS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | 0.002 | -0.02 | -0.019 | t | 53998 | RGTIGQV DRLKDKV NNTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | 0.002 | -0.02 | -0.019 | t | 53998 | RGTIGQV DRLKDKV NNTL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | 0.002 | -0.02 | -0.019 | t | 53998 | RGTIGQV DRLKDKV NNTL | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.018 | -0.019 | -0.02 | t | 98035 | FGPKNF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.018 | -0.019 | -0.02 | t | 98035 | FGPKNF | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.024 | -0.01 | t | 131232 | LHAYNPFL LSWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 107875 | GTYKAGN QHNHVKY G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.047 | -0.06 | -0.059 | t | 104480 | ESKENKA LNELLEKT VKDK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.009 | -0.013 | -0.017 | t | 119497 | MRKANSP PT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.12 | -0.12 | -0.104 | -0.12 | -0.118 | t | 144873 | ATWVDLV LEGDSCLTI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.009 | -0.013 | 0 | t | 79538 | EHQLNRA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | 0 | t | 79289 | LGPVNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | 0.001 | t | 46240 | NTREVFA QVKQMYK TPT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.03 | 0.01 | 0.011 | t | 37638 | LLNYIDEN KLYLIGSAE YE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0.012 | t | 5284 | AVAYPVSA YVPAWVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.002 | -0.02 | -0.015 | t | 97601 | RGRRRQP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.001 | -0.02 | -0.018 | t | 67979 | VDHVGLG TAFENSIY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.037 | -0.024 | t | 136688 | TPAGWFR WGIWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 1785 | AHIRHHK MPVTTSA T | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.015 | -0.007 | 0 | t | 136078 | QQKKEGPI PPDAQNP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.05 | 0.04 | 0.058 | t | 108612 | RNDLITFLE QETK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.032 | t | 106690 | NSDHFLQP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.01 | t | 122590 | SRLERADP RLSSRYG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.033 | -0.03 | t | 18564 | GAEASTSL FHFRIPRSY FLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.075 | -0.056 | -0.08 | -0.08 | t | 73904 | YFSMVGN WAKVLVV LLLFAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.02 | t | 16101 | FHENWPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.03 | 0.04 | t | 79597 | LETDELH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.025 | -0.003 | -0.033 | -0.032 | t | 763 | ADRQTAC NCLKNLAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.036 | -0.04 | -0.028 | t | 42276 | MPHGFIN WHGAF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0.003 | 0.012 | t | 111691 | QTIGNAKP LGRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.02 | -0.044 | -0.04 | t | 54019 | RGWVIHP LGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.018 | -0.033 | -0.03 | t | 104130 | MPLQRTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.003 | 0.002 | t | 138159 | DTWPTAR LTSSMQYI | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.008 | -0.009 | -0.007 | t | 125423 | GKVLRFQK AFLTQLDE LLTE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.009 | 0.002 | t | 111552 | MKVSNSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.042 | 0.047 | 0.047 | 0.052 | t | 103991 | IMEQCFEI GCPATN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.001 | t | 79364 | RCVDSFVI NNHMCD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.021 | 0.03 | 0.042 | t | 59316 | SLLTEVETP IR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.035 | 0.028 | 0.04 | t | 33364 | KSKDLQSA P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.07 | 0.077 | 0.063 | 0.08 | t | 104059 | LTSSSQH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.025 | 0.034 | 0.02 | 0.03 | t | 132850 | KLDLYLSYP QPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.01 | -0.003 | 0.003 | t | 110840 | EVTIGDIEE PPILEVVPE TH | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.042 | -0.05 | -0.04 | t | 32035 | KLMTHWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.042 | -0.05 | -0.04 | t | 32035 | KLMTHWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.013 | -0.029 | -0.029 | t | 9043 | DLDFSAFD ASLSPFMI REAG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.025 | -0.053 | -0.05 | t | 20109 | GHADFGG RA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.005 | -0.019 | -0.018 | t | 44662 | NLDDRDR SELSPLLS TTEW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.006 | -0.021 | -0.018 | t | 56173 | RTRVHGD KATAHGR K | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | 0.001 | 0.012 | t | 111115 | APYKLAM RDQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.006 | 0.011 | 0.022 | t | 137824 | DQAVSLG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 151493 | VVDGPETK EC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 141935 | KKPGGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 151456 | TATTEK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 125351 | AALWGVK VRHVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 125600 | WESYPFRV GTSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 125363 | APKTYVSV SGMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 131671 | SPPPYVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 118609 | SNVYADSF VVKGDDV RQIAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 132276 | ERIYHFV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 100992 | KSLSRHDH IH HH | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 72373 | WESDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 65409 | TNRNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 75217 | YNSDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 55057 | RNSDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 57276 | SDSDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 59900 | SNSDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 34329 | KWSDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 36372 | LHEQYYF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.036 | -0.034 | -0.049 | -0.05 | t | 33859 | KTSESRQP RGRRQPIP KARR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.023 | -0.04 | -0.039 | t | 111033 | STYDRDN DGWLTSD PRKQCS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0.003 | 0.01 | t | 651 | ADDTPYTL SFAPHRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.032 | t | 44896 | NLTDILP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 107757 | AVSNRPRL KDTTYRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.023 | 0.032 | t | 106818 | SDDYAPFG LDII | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0.001 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |

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|---|------|---|---|---|---|-------|---|-------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0.001 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 137827 | DVKSALIEG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 97370 | GTVLVTRK AL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 65273 | TMVTPGE L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 66351 | TSPAEGVT ETKTLVIQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 61801 | STNSGINN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 65421 | TNSGINNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 66833 | TTSTGPCK TCTTPAQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 60725 | SRLLENET | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 94832 | GLFGNNE NQTKV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 97717 | TYNYFKDE L | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 53018 | QYPALT | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 46008 | NSTNSGIN | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 45252 | NNSTNSGI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 11571 | EEEDDDM GFGLFD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 3952 | AQEPPRQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 7841 | DDPF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 4225 | ARQPYGFF LETEEVYQ PG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 9586 | DPAFR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.011 | 0.021 | 0.011 | 0.02 | t | 61847 | STQHGPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.029 | -0.025 | t | 10125 | DSGCVVS WKNKELK C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.029 | t | 107032 | YTQSPTPD LMAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.056 | -0.07 | -0.064 | t | 136537 | NTDVVNV SVLCR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.017 | -0.003 | t | 125463 | KLTPLEA RLDLSSW FTVG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.027 | 0 | 0.001 | t | 101538 | DGVMQG AIQSIIQGE | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|-------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.002 | 0.012 | t | 50637 | QELDCWH YQHCVTS TKS | MD |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.018 | -0.04 | -0.039 | t | 52868 | QWYDDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.018 | -0.04 | -0.039 | t | 52868 | QWYDDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.017 | -0.031 | -0.028 | t | 48782 | PPFTSAVG GVDHRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.009 | 0.002 | t | 111435 | IVQLTQW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.01 | -0.008 | t | 51456 | QLNRALSG IAAEQDRN T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0 | -0.013 | -0.007 | t | 28676 | ISQAVHAA HAEINEAG R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.039 | -0.039 | -0.03 | t | 78291 | VHRNPWH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.047 | -0.069 | -0.07 | t | 9619 | DPDYVPPV VHGCPLPP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | 0.002 | t | 39160 | LRPFHQILY GMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.019 | -0.04 | -0.038 | t | 61862 | STRGRQTV KENKGT | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.04 | -0.049 | -0.04 | t | 78997 | IGCHFPCS FGPVWPS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.009 | -0.009 | -0.004 | t | 51281 | QLAEQFK QK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.037 | -0.049 | -0.048 | t | 29914 | KAPSGASG VKRSHRR WRPGT | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.019 | -0.033 | -0.029 | t | 108286 | ASKAKARP V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.1 | -0.096 | -0.075 | -0.103 | -0.102 | t | 105525 | SPRHRHGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.012 | t | 56810 | SAHSTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.038 | -0.061 | -0.06 | t | 43578 | NEDQKIGI EIIKRALKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.018 | -0.039 | -0.038 | t | 65414 | TNRRPQD VKFPGGG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.032 | 0.01 | 0.013 | t | 64383 | TIMPFDLI YTNDTILIE M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.005 | -0.01 | -0.004 | t | 10222 | DSRGSLLS PR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.009 | -0.019 | -0.018 | t | 42699 | MSTNPKP QRKTKRNT NRRPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.009 | -0.019 | -0.018 | t | 42699 | MSTNPKP QRKTKRNT NRRPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.033 | -0.04 | -0.035 | t | 159280 | DNKTYGN KSNFNAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.032 | t | 140591 | PYHQFQT GQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.029 | 0.023 | 0.032 | t | 99736 | TTLNSFMR SFPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.022 | t | 127726 | LPYKLTQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.044 | -0.05 | -0.04 | t | 133507 | ALPLHGSP WKWY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.004 | -0.019 | -0.018 | t | 33776 | KTMIRFGD VGLDLDFS AFDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.018 | t | 104293 | SYPNTWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.008 | -0.01 | 0 | t | 141755 | STDIISWK HWGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.041 | 0.041 | 0.023 | 0.036 | t | 136409 | KASTVTGF GRGT | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.02 | t | 1785 | AHIRHHK MPVTTS A T | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 127687 | HSSHRLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 145643 | YDASLEDQ KGLVA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 139618 | TGQLVHRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 118058 | PPPGIRGP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 103972 | HNPINAGT ELSATGN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 30093 | KCTSDQDE QFIPKGCS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 30093 | KCTSDQDE QFIPKGCS K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.04 | t | 39211 | LRSLHLVR G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.006 | -0.01 | -0.008 | t | 75764 | YSIISSMKK HSLSI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.013 | -0.001 | t | 6023 | CAREYGTN RWVC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.013 | -0.01 | 0.002 | t | 78943 | CTRLHTGY WVC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.023 | 0.039 | t | 109845 | RPLGLQEE SLDG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.009 | 0 | t | 117113 | WPMNTD DSTRPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.003 | 0 | t | 104149 | NHYFLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.01 | t | 7516 | DAGEGGP RV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.016 | -0.01 | -0.008 | t | 39490 | LSLNYAGA E | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.009 | 0 | t | 70946 | VSGDPRG RYEDI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.029 | t | 122555 | RITNRDPRI SSGSLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 144093 | THNHQVP LAIS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | 0.007 | -0.036 | -0.04 | t | 54393 | RKLWCHH FC | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 140583 | PWDKFBH EQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.026 | -0.041 | -0.038 | t | 56173 | RTRVHGD KATAHGR K | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.026 | -0.041 | -0.038 | t | 56173 | RTRVHGD KATAHGR K | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 121826 | RVVGPYST STWFRVK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.032 | t | 77901 | HELSPTGL KTSW | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.001 | 0.01 | t | 63451 | TELKLAPP VLNAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.001 | 0.001 | 0.01 | t | 63451 | TELKLAPP VLNAPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.036 | 0.012 | 0.012 | t | 8900 | DKILVQAN EAETTTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 103900 | FNKSWFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.009 | -0.01 | -0.008 | t | 144797 | TGGCTHG CLAVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 79227 | GCKLAMT TTTLACH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.087 | -0.063 | -0.09 | -0.09 | t | 40564 | LVRRFVHH RPHVESQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.09 | -0.063 | -0.09 | -0.09 | t | 40564 | LVRRFVHH RPHVESQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 153479 | TPGVERD HFVRLGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.044 | -0.06 | -0.059 | t | 19064 | GDNNTYG GWFKDGG W | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.017 | -0.011 | -0.009 | t | 43232 | NANNPD WDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.052 | -0.071 | -0.07 | t | 10282 | DSYIVVGR GEQQINH HWHKS | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.01 | 0.002 | t | 72904 | WNPVYA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.018 | -0.039 | -0.04 | t | 78857 | TLTAWQN GLLPFHST LTPPG | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | 0.009 | -0.02 | -0.02 | t | 41218 | MDDDTER FPTHRSLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | 0.009 | -0.02 | -0.02 | t | 41218 | MDDDTER FPTHRSLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.009 | -0.02 | -0.02 | t | 41218 | MDDDTER FPTHRSLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 106842 | SKDEIDSA VKMLVSLK MSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 49680 | PTKEFFRE A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.036 | 0.044 | 0.033 | 0.04 | t | 132821 | FGSNQSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.011 | -0.03 | -0.03 | t | 89665 | TQQGGAY GRCPNGT RA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.031 | t | 144903 | HDFHDPTL EEQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 145565 | TNTLTPHK LQML | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | -0.003 | 0.008 | t | 136000 | SRFSWGA EGQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.03 | -0.039 | -0.03 | t | 78983 | GPLWLHY AGAFLHP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.024 | -0.02 | t | 42293 | MPMRRKR KNIRSIVS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 104120 | MNKSYHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.033 | -0.06 | -0.061 | t | 45062 | NNDRIYD MNHLMIK MHILAI | Aotus sp. |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.01 | t | 7513 | DAGDHS PQ | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.011 | t | 108151 | SYEYNERL KFYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.011 | t | 140620 | YSLYQALT A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.005 | -0.01 | 0 | t | 50971 | QGTRTAAI VET | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.013 | -0.03 | -0.029 | t | 125537 | QPVWQDE GQRLRPSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.023 | -0.03 | -0.02 | t | 121436 | IVIGRYSTQ PWFRVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.03 | t | 37683 | LLPRRGAP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.052 | 0.003 | -0.04 | -0.042 | t | 75429 | YPWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.023 | -0.029 | -0.02 | t | 78315 | WQTFYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.033 | -0.05 | -0.05 | t | 61746 | STLPETTV VRRRGRSP RRRT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.011 | -0.04 | -0.04 | t | 55899 | RSLYLRWV NAVCGDA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.018 | -0.001 | 0.004 | t | 149311 | FDDDNSPS FIQIR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.017 | -0.02 | -0.018 | t | 79781 | DLKRPGSS PMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.017 | -0.02 | -0.018 | t | 79781 | DLKRPGSS PMEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | -0.004 | 0.003 | 0.003 | 0.022 | t | 114740 | AQGHRPQ DE | Macaca mulatta |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.016 | -0.031 | -0.028 | t | 56173 | RTRVHGD KATAHGR K | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 144820 | YLEDWIKY NNQK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 68401 | VEVPGSQ HIDSQKKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.022 | -0.011 | -0.011 | t | 84423 | KKGLQQL QEWEWDW VGWIGN | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.013 | -0.043 | -0.04 | t | 55078 | RNTRHPPP WSAE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | 0.012 | -0.01 | -0.008 | t | 22717 | GTIVIRVQ YEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.017 | t | 46444 | NVPEKQT RGIFGAIA GFIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.038 | -0.059 | -0.06 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.031 | t | 108487 | IRYHTNWS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.064 | -0.038 | -0.06 | -0.06 | t | 96216 | EEEGLLKKS ADTLWN MQK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 140590 | PYHLALAG V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.001 | 0 | 0.003 | 0.012 | t | 130612 | SPNTAHIT SKSL | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 138231 | RDGQRLTS SKTMLPY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.011 | 0 | t | 91218 | DVLEATYA MVQHVAK | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | t | 104059 | LTSSSQH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.022 | t | 106730 | QHFTKNP ALLMA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 158620 | VLNWHPF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.015 | -0.02 | -0.018 | t | 94494 | ECCNPAC GRH | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.016 | -0.01 | t | 124373 | KPSARFSG L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.019 | 0.022 | t | 131000 | PHNRQES PA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.013 | 0.002 | -0.021 | -0.019 | t | 53998 | RGTIGQV DRLKDKV NNTL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 122590 | SRLERADP RLSSRYG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 153340 | ACQMPH WWHCGG GS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.019 | 0.023 | 0.032 | t | 106516 | HNSTRAPE KLMI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | 0.004 | -0.02 | -0.02 | t | 3528 | APEDQSPE TRRLDRL SR | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.028 | -0.03 | t | 38810 | LQAMRKY SPFRNGY MEPTLG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.028 | 0.001 | 0 | t | 48150 | PKSSCTQN PILCAILS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.035 | 0.01 | 0.013 | t | 51822 | QPFQPEL PYPQPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 122590 | SRLERADP RLSSRYG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 121846 | SGVCLLPRI SDVVSC | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.001 | -0.021 | -0.019 | t | 61398 | SSTKNLIYT STLCELNV TGF | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | 0 | 0.01 | t | 6946 | CRTCAHP GEHA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.01 | t | 79255 | ICTSHQHIL KPMCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.043 | -0.03 | t | 122490 | MTPNDRR IHRYEPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.015 | 0.007 | -0.01 | -0.01 | t | 17140 | FNDSQRQ ATKDAGTI AGLEV | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.036 | -0.039 | -0.028 | t | 111550 | MKVNILR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.014 | 0.016 | t | 138251 | THDLSSRA SSSLSYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.01 | t | 56007 | RSYQHDLR AYGFWRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.032 | t | 106514 | HKMTNFP DSLLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.025 | 0.013 | 0.022 | t | 149133 | YLPNVTQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.046 | 0.06 | 0.051 | 0.06 | t | 73015 | WQWTWL CEHPPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0.009 | t | 106347 | DMQLYPV LPTPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.009 | 0 | t | 111944 | WAPYMT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.054 | -0.046 | -0.053 | -0.05 | t | 127777 | PR SRLTP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.05 | 0.054 | 0.055 | 0.047 | 0.06 | t | 23440 | GYQSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | 0.006 | -0.04 | -0.043 | t | 80093 | VTTSGGGR QG | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.042 | -0.051 | -0.04 | t | 32035 | KLMTHWP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.018 | -0.033 | -0.025 | t | 30290 | KEAFRLKN GRQE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.02 | -0.018 | t | 44662 | NLDDRDR SELSPLLLS TTEW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.013 | -0.008 | t | 104320 | TTYYLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.062 | 0.05 | 0.059 | t | 146228 | EYSDSGIE V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.011 | t | 47131 | PDKILTYIA ADHC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.011 | t | 9614 | DPDKILTYI AA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.003 | -0.039 | -0.04 | t | 53955 | RGQKAKS NPNRPLPV PRN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.009 | 0 | t | 102096 | SVDWMN DPRLLM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.027 | 0.013 | 0.03 | t | 139510 | GPIDDAF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.054 | 0.029 | 0.031 | t | 42441 | MQWNST TFHQTLQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 132813 | FGENNNM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.003 | -0.02 | -0.02 | t | 71009 | VSKGNCS GPTTIRGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.032 | 0.013 | 0.012 | t | 12994 | ELDQENEA ALENGIKN EENT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.009 | -0.01 | -0.002 | t | 31712 | KKTGIDPR | MD |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.012 | t | 41232 | MDIDPYKE FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 1187 | AETHLFTG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.009 | t | 24391 | HNNQRLM LYGMH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.021 | 0 | 0.002 | t | 74416 | YIWPRND YDGFLENA HEHHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.01 | t | 49651 | PTHYISTSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.01 | t | 38397 | LPAHGPSL S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.01 | t | 20563 | GKFPGSKP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.023 | -0.01 | t | 21657 | GPHPRSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.014 | -0.05 | -0.05 | t | 94483 | CYKKVWR DHRGTIER GC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.039 | t | 138251 | THDLSSRA SSSLSYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | 0.023 | -0.01 | -0.013 | t | 39684 | LSSSSSTR | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.013 | 0 | t | 49652 | PTHYLLSQ P | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.009 | 0.002 | t | 111182 | CYETGPW AC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.037 | -0.061 | -0.058 | t | 65684 | TPPHSARS KFGYGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 111548 | MHQTTAQ PLRSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.005 | 0.01 | 0.023 | t | 57062 | SAYTPAYY TKDTNNN LTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.031 | 0.042 | t | 133561 | ESTWYM WQSRSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.043 | -0.04 | -0.028 | t | 79037 | PFWLRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.006 | -0.018 | -0.018 | t | 30220 | KDNRIPSY GVLSVDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0 | -0.023 | -0.018 | t | 52599 | QTQPSKPT TKQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.029 | t | 107860 | GHSYYISPE LKP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 153473 | THRPLSHN FRDFGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 158610 | SFGTFLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.011 | -0.04 | -0.04 | t | 78008 | SLYDKNRG QFGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.021 | t | 108575 | PLTNRRLR G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.009 | 0.02 | t | 138097 | YPYPLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.048 | -0.06 | -0.053 | t | 137941 | PFRSYTK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0.01 | -0.01 | -0.01 | t | 7885 | DDVNKNT LQARQQT | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.028 | -0.019 | -0.04 | -0.037 | t | 29088 | ITSHTGYL QLRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.038 | 0.02 | 0.023 | t | 114226 | QKSHGRT QDENPVV HF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.028 | -0.049 | -0.047 | t | 46255 | NTRVTGG VQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | 0 | t | 133494 | ADNPIKW DRART | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.047 | 0.033 | 0.04 | t | 59536 | SLVDNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.019 | -0.02 | t | 38311 | LNPSVAAT LGFGAYM SKAHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.018 | -0.011 | -0.01 | t | 46795 | PAFLGCSS RFSGSFSG VEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.037 | -0.061 | -0.058 | t | 71323 | VTGHRMA WDMMM NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | -0.001 | 0.01 | t | 1796 | AHLRLPTR TSMPKVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.006 | 0.014 | 0.003 | 0.01 | t | 132871 | MWGENT P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.04 | 0.04 | 0.052 | t | 158617 | TVQPQFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.009 | -0.031 | -0.029 | t | 45667 | NRDQGRK PTPPTPP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 78069 | WIEEWMF IPVMS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 158605 | QFGTFLW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.012 | -0.037 | -0.037 | t | 14181 | ESKHSCQI WCDNML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.032 | 0.011 | 0.012 | t | 9511 | DNNDSGH STGADTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 117113 | WPMNTD DSTRPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 132847 | KKEDFDIY DEDENQS P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.06 | -0.06 | -0.05 | t | 79644 | SHLSTMV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.024 | -0.05 | -0.049 | t | 96228 | EGLLKLL DTLENML K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.02 | -0.062 | -0.063 | t | 105493 | RDRARVPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 121844 | SGRALAPA VSWPLHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.05 | -0.053 | -0.04 | t | 78295 | WADLYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.005 | -0.023 | -0.017 | t | 48594 | PNAKSVKE YLDKVRAT VGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.023 | -0.01 | t | 49649 | PTHYFGSP M | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.028 | -0.013 | -0.02 | -0.016 | t | 125212 | QHWSYGL RPGQHWS YGLRPG | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.01 | t | 106841 | SHWTRQP DTIMI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.051 | -0.05 | -0.053 | -0.04 | t | 78312 | WLHYYPSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.027 | -0.051 | -0.048 | t | 71324 | VTGHRMA WDMMQ NWS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.029 | t | 103839 | DAEFRHDS GYEVH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.012 | -0.039 | -0.04 | t | 49750 | PTPSPAPS RPFSVLRA NDVL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.003 | 0.01 | t | 78083 | YTSPTFPN FFLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.045 | -0.051 | -0.04 | t | 3582 | APGRVPAL LIPPWAW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.007 | -0.017 | -0.018 | t | 6200 | CESSLCLM YSLGPPA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.031 | -0.021 | t | 46547 | NWKFAPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.018 | -0.039 | -0.038 | t | 65414 | TNRRPQD VKFPGGG Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0.003 | 0.01 | t | 49348 | PSDRLFP G LSDFGCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 78295 | WADLYSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.009 | -0.021 | -0.02 | t | 41218 | MDDDT TER FPTHRSLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.009 | -0.021 | -0.02 | t | 41218 | MDDDT TER FPTHRSLP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 109232 | GRGGAIW DRPEF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.01 | t | 60283 | SPTHRINA Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 158596 | KFGTALW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 79414 | TCSPGLRE WAHNCL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.018 | t | 127684 | HHKYWHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.003 | 0.01 | t | 107257 | TSPILDVLT PPR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.029 | 0 | -0.001 | t | 53015 | QYNTGNF SDGLYPFT N | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 78217 | NKNWWS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 158597 | KWPIIDT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.022 | -0.003 | 0 | t | 70045 | VNAGFKT AVAAAAAN V | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.014 | -0.009 | t | 10432 | DTNLASSTI IKEGIDKTV | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.005 | -0.003 | 0.01 | t | 6292 | CGGTPPSL PTC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.029 | 0.023 | 0.032 | t | 99482 | NALDEYFT KPSL | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | 0.003 | -0.041 | -0.042 | t | 75429 | YPWH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 78305 | WHSMFAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.039 | -0.003 | -0.001 | t | 74114 | YHIQAGLP DP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.004 | -0.02 | -0.018 | t | 62721 | SYTESMA GKREMVII TIKSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.016 | -0.01 | -0.008 | t | 39490 | LSLNYAGAE | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.025 | -0.001 | 0 | t | 54008 | RGVGSTV VILDANFV | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | 0 | t | 62401 | SVYALPDL SVPVWVR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.01 | t | 132276 | ERIYHFV | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.006 | -0.02 | -0.017 | t | 57300 | SDTRGDP VFNLPFQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.032 | t | 131856 | EGSTDVDE PLEVFISAP RSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.03 | t | 153430 | NMSLRDH YSPSPGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.018 | -0.04 | -0.039 | t | 56122 | RTLTMFS LGARQKI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | -0.001 | t | 79363 | RCSCRPPS EATTCK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.037 | -0.031 | t | 72936 | WPHNHST HSRTH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.01 | t | 144059 | RKVPLLSG TLPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.01 | t | 144102 | TMPWNQ SALTLI | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | -0.003 | 0.01 | t | 143941 | IDIINPAQ NRLR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 9537 | DNPRYTD AHNAVTVQ GRTVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | 0 | t | 16469 | FKTVDSGR SMHN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 106327 | DDDKLEQI RRDYTSQA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.011 | t | 43232 | NANNPD WDF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.024 | 0.003 | 0.012 | t | 78121 | DMTMLK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 78232 | PHSNKSHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.032 | -0.024 | -0.04 | -0.038 | t | 3528 | APEDQSPE TRRLDRL SR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.01 | t | 24778 | HSLGKWA GHPDKF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.032 | -0.05 | -0.046 | t | 149470 | SNAWRPQ VNNPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.032 | t | 147563 | CYGTEPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | -0.001 | t | 108615 | RRGPEAH QA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.018 | t | 127684 | HHKYWHR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.003 | -0.013 | -0.01 | t | 35001 | LAVFRPW KARNNGT NEYRSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.053 | -0.036 | -0.06 | -0.058 | t | 61833 | STPPVPPP SVSRRKP | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.001 | -0.01 | -0.001 | t | 122311 | DRIQRTQP LTAIPLL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 10538 | DVAGLEK DPVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 140586 | PWQLPLN FQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.005 | -0.001 | 0.012 | t | 24360 | HNAKYVS AESWG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.027 | 0.013 | 0.03 | t | 139609 | SMPTYNK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.029 | -0.05 | -0.05 | t | 100671 | YVALQGS MFDRVRV FWMARG | Ovis aries |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.012 | t | 141935 | KKPGGPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.011 | 0.022 | t | 111434 | IVGTGPQP SSTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.014 | -0.027 | -0.01 | t | 55276 | RPPTRYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.013 | -0.04 | -0.04 | t | 29757 | KAAPKRAA PKRAAPKK AAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.013 | -0.04 | -0.04 | t | 29757 | KAAPKRAA PKRAAPKK AAPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 78164 | GERLIV | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.036 | 0.01 | 0.012 | t | 24013 | HHPVDLA DWELIESP ED | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.01 | -0.03 | -0.027 | t | 44491 | NKFLNQCS VSYLMNS MIPY | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.032 | 0.01 | 0.013 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.032 | 0.01 | 0.013 | t | 23919 | HGKSRIAL TNSVNEAL LNP | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.029 | 0.011 | -0.02 | -0.02 | t | 19715 | GGEILLNQ | Anas platyrhy nchos |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.013 | 0 | t | 18314 | FVVEYTKK W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.017 | 0.013 | 0.021 | t | 49348 | PSDRLFPG LSDFGCS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.008 | -0.009 | -0.008 | t | 33541 | KSVCGPVY CFTPSPVV VGTT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 153465 | SNWRDHY GLGAGGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0 | 0.002 | t | 45416 | NPNANPN ANPNANP NENPNA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 78303 | WHSIFAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.13 | -0.126 | -0.101 | -0.123 | -0.13 | t | 127897 | WWARRR RRWRRW KRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.019 | -0.01 | -0.009 | t | 74006 | YGGIYMN G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.01 | t | 133497 | AEPFYSW DRASR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | 0.002 | t | 141767 | TPPPTYKL WGAL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 140589 | PYHELEQV P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.012 | 0.003 | 0.013 | t | 115378 | LYYIGTHSL NSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.012 | t | 132042 | RFEQPRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.02 | 0.02 | 0.03 | t | 153424 | MQDSRLR LALSAGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.016 | -0.01 | -0.017 | -0.009 | t | 131313 | SQWSRSA SRNRRHVT EEADV | Callithrix pygmaea |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.021 | t | 104254 | SPFLKAF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.027 | 0.04 | t | 132381 | IGFTLYERS LWE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.001 | 0.01 | t | 10021 | DRNIYLVR Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | t | 78165 | GERVGY | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.015 | -0.009 | -0.007 | t | 116563 | TGKIPWILL PGR | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.01 | t | 79121 | YASPFSSQ GGPRWLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.011 | 0.001 | t | 79121 | YASPFSSQ GGPRWLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.08 | -0.08 | -0.07 | t | 79645 | SLGMHPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 138182 | GHRYTSSV SLTEACP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.01 | 0.015 | t | 131313 | SQWSRSA SRNRRHVT EEADV | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.034 | -0.026 | -0.037 | -0.03 | t | 132822 | FGSNVHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 140583 | PWDKFVH EQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.005 | -0.03 | -0.03 | t | 54016 | RGWGNG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.012 | t | 132062 | SKDERRF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.069 | 0.06 | 0.062 | t | 104991 | STGERIQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.012 | t | 38516 | LPGTPhi | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 147562 | CYGSLPW MC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.013 | -0.008 | t | 103960 | GTYFLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.04 | 0.042 | t | 104929 | PGTRLQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.031 | t | 108614 | RPPHSAS WR | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.043 | -0.07 | -0.071 | t | 45062 | NNDRIYD MNHLMIK MHILAI | Aotus sp. |
| 1 | 1.00 | 1 | 1 | 0 | -0.008 | 0.005 | 0 | 0.01 | t | 43382 | NCNPLEK WCPTVEQ TPWY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.005 | -0.03 | -0.028 | t | 142827 | KVEFWPC SPITQGDR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0.01 | t | 79741 | AAASSPDA HVPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0.01 | t | 79741 | AAASSPDA HVPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.06 | 0.03 | 0.033 | t | 68100 | VDYLKEKT KDQDL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.032 | t | 44897 | NLTDINL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.027 | -0.018 | t | 111452 | KHARTSE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.055 | -0.031 | -0.063 | -0.059 | t | 18100 | FTWGGLR DKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.003 | -0.004 | -0.011 | 0 | t | 24119 | HKAEVKKF L | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.012 | t | 38687 | LPRRLRPQ RSPQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.012 | t | 33531 | KSTQRSTR RNLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.02 | t | 137436 | QHDRLLM LSYLV | Mus musculu s |

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|---|------|---|---|-------|--------|--------|-------|--------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.001 | -0.03 | -0.03 | t | 55899 | RSLYLRWV NAVCGDA | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.023 | 0.032 | t | 27073 | ILGHVGFA NWQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.014 | 0.007 | 0.019 | t | 133999 | AGWILTEL EQSATVM KS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.053 | -0.06 | -0.055 | t | 159280 | DNKTYGN KSNFSNAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.026 | -0.05 | -0.048 | t | 18705 | GANSNNP DW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.015 | 0.009 | 0.02 | t | 55654 | RRLPEELH R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.03 | t | 9705 | DPNKYVSK HSWF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 61801 | STNSGINN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 61800 | STNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 65421 | TNSGINNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 46008 | NSTNSGIN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 45252 | NNSTNSGI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 9516 | DNNLVSG P | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 9516 | DNNLVSGP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.014 | -0.04 | -0.039 | t | 62879 | TAHPSYPPPSRS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 127689 | HWHRPTN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 140546 | CNLWEVMHGTC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.027 | 0 | 0.002 | t | 101538 | DGVMQQAIQSIIQGE | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.001 | -0.01 | 0 | t | 153463 | SLMHVYRDHSTSGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.01 | t | 132373 | IATKRERGM LGQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.026 | 0.013 | 0.029 | t | 144888 | FLPTLEENKGFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.019 | -0.02 | t | 38311 | LNPSVAATLGFGAYMSKAHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.002 | -0.019 | -0.02 | t | 38311 | LNPSVAATLGFGAYMSKAHG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.014 | -0.013 | -0.017 | -0.01 | t | 78212 | MTNNRI | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 140585 | PWNTFATNA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 107875 | GTWKAGNQHNHVKYG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.019 | t | 140605 | TLYDALGAV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 133660 | NSTWHDWNSWTH | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.01 | 0.01 | 0.02 | t | 49658 | PTIAGAGD VK TSAEG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 106938 | TTVQLYST YPAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | 0 | t | 67401 | TYNRSSYL ASWP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.024 | -0.037 | -0.03 | t | 78261 | RKFLAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.106 | -0.085 | -0.113 | -0.112 | t | 105525 | SPRHRHGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.027 | -0.001 | 0 | t | 21325 | GMQAFFR PRCAKTL S CA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.016 | 0.024 | 0.013 | 0.02 | t | 132883 | PRSENGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.002 | -0.021 | -0.016 | t | 149366 | LISSSQDG HQW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.004 | -0.017 | -0.01 | t | 78260 | RIVSIT | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 79211 | FCPGVG RY PVRQCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.053 | -0.073 | -0.069 | t | 111042 | TIHAHPGS RRGGRHG YHH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.005 | 0.003 | 0.012 | t | 60719 | SRKQKNIQ LRSSNNS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.039 | t | 79282 | LCEETPPN ETTPCI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.046 | -0.049 | -0.038 | t | 111398 | HLVCRPS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.022 | t | 133520 | ASNWTF RVTDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.053 | -0.031 | -0.06 | -0.06 | t | 66326 | TSMARYV RHSNYKH M | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.003 | 0.002 | t | 104048 | LPNYETR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.013 | 0 | t | 73287 | WYNVVY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0.002 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.028 | 0.009 | 0.014 | t | 149485 | SWYLTENI QR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.004 | 0.001 | 0.012 | t | 111774 | SGMMSN ATIANV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.009 | -0.009 | 0 | t | 102094 | STSPWVQ WQPMR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 78076 | YMSPTGR VMTTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0.009 | t | 97337 | GHVTTL LSLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.008 | -0.021 | -0.009 | t | 79109 | VKLSPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.01 | t | 66390 | TSQPRWH QKPAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.002 | 0.003 | 0.012 | t | 50324 | QANRIASE AQKHLKN S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0 | t | 61158 | SSLGSDHN ARWVKRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.034 | -0.05 | -0.04 | t | 111166 | CPVIKPC | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.018 | -0.033 | -0.03 | t | 103966 | HALTPSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.034 | -0.043 | -0.04 | t | 108519 | LGRDANA WK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.017 | -0.008 | t | 106567 | KLPDYILSP TSS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.024 | -0.05 | -0.049 | t | 62878 | TAHPAYPP PSRA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.024 | 0.003 | 0 | t | 64005 | TGYGTVT MECSPT GLDFNE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 107757 | AVSNRPRL KDTTYRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.031 | -0.06 | -0.06 | t | 77976 | QESTRLTY AVWM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.032 | 0.011 | 0.012 | t | 9511 | DNNDSGH STGADTG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.026 | -0.047 | -0.04 | t | 874 | AEEDRKRR EEADVRN QAE | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.062 | 0.02 | 0.021 | t | 72954 | WPMVIPA SISTM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.011 | t | 142576 | DGASYSW MYEA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.011 | t | 142576 | DGASYSW MYEA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.028 | -0.027 | -0.018 | t | 45773 | NSAVHFQ RQFSQ | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.009 | 0.003 | 0.011 | t | 99434 | LNQWFRP SPTSG | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.021 | -0.041 | -0.035 | t | 66442 | TSSRRRYTE VYL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.048 | -0.051 | -0.048 | t | 124827 | VNSHGWP IH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.009 | -0.01 | -0.007 | t | 144797 | TGGCTHG CLAVP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.028 | -0.05 | -0.05 | t | 94429 | AICKRIPNK KPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.028 | t | 140590 | PYHLALAG V | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 79328 | PCSRAETN PTMQCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | 0 | t | 1816 | AHSSRLYS PTISKHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.03 | t | 62049 | SVARHKLP THTLRR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.011 | -0.007 | -0.009 | t | 30665 | KEVTQND GTTTIANN LTSTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.019 | -0.017 | 0 | t | 134509 | RHFFNRSG TV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.007 | -0.03 | -0.027 | t | 3872 | APTQCSQT WPCPSHL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.049 | 0.04 | 0.042 | t | 104928 | PGSRLQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.023 | 0.032 | t | 106567 | KLPDYILSP TSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.014 | -0.01 | t | 35001 | LAVFRPW KARNNGT NEYRSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.013 | -0.03 | -0.028 | t | 125537 | QPVWQDE GQRLRPSK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.007 | -0.03 | -0.03 | t | 1722 | AGVRRGD LAHLAAAH ARHLP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.009 | 0.002 | t | 111836 | TLKLQIRLP ETI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.016 | 0.001 | 0.01 | t | 111796 | SPLFLDQR SLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 78067 | VVSPTGLS KHAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.014 | -0.023 | -0.019 | t | 108518 | LGLHALQS P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.026 | 0.011 | 0.02 | t | 111412 | IANYYGG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.032 | t | 78076 | YMSPTGR VMTTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.054 | -0.023 | -0.051 | -0.05 | t | 1963 | AIKATRV T ELLYRLK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.009 | 0 | -0.01 | 0 | t | 59642 | SMDPRFY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 158583 | APPHLPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.005 | 0.003 | 0.019 | t | 113159 | SDEGGYTC FFRDHSYQ EE | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.037 | 0.01 | 0.013 | t | 6389 | CHHSPEEY QPC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.058 | 0.03 | 0.034 | t | 98555 | TVNDLK | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 145776 | FDTGA FDP DWPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.015 | -0.041 | -0.04 | t | 9979 | DRGWGN GC | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | 0.007 | -0.036 | -0.039 | t | 54393 | RKLWCHH FC | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.009 | -0.007 | 0.002 | t | 111944 | WAPYMT N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.01 | -0.01 | 0 | t | 79596 | LERTPGK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.029 | 0.02 | 0.022 | t | 105023 | VIQGSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.02 | 0.007 | 0.02 | t | 59688 | SMITDLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.006 | 0.01 | t | 52587 | QTNYRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.013 | 0 | t | 1885 | AIDTRPW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.02 | -0.019 | -0.008 | t | 21657 | GPHPRSV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.023 | -0.041 | -0.034 | t | 12285 | EGSYPKLK NSYVNK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.019 | 0.003 | 0.01 | t | 640 | ADCTLWF CPQTSN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.09 | -0.09 | -0.09 | -0.096 | -0.086 | t | 138836 | CRTVYPSE EETGE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.001 | -0.01 | 0 | t | 45631 | NQTARDEI RRA | Gallus gallus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 78235 | PHSNSYHT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.033 | -0.041 | -0.03 | t | 47805 | PHDGNRA FPRTKVT M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.013 | -0.02 | -0.011 | t | 99313 | HANLNG WLRTLS | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.029 | 0.023 | 0.031 | t | 99503 | NNINQFFR SQPF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.024 | 0 | 0.002 | t | 49829 | PVAIEAVR SEATDGM LKIQF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.004 | 0.001 | 0.012 | t | 137935 | NFNTVRY DYYGD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.026 | 0.01 | 0.02 | t | 111690 | QTATLTY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.059 | -0.044 | -0.061 | -0.058 | t | 40099 | LTPGRFRTI VCGLF | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.021 | -0.01 | t | 62288 | SVPPPHTR SASG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.004 | -0.03 | -0.028 | t | 39489 | LSLNWGSS A | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.022 | t | 106365 | DWYSPFP TSQFA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.015 | -0.01 | -0.007 | t | 116563 | TGKIPWILL PGR | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.017 | -0.01 | -0.007 | t | 43232 | NANNPD WDF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.043 | 0.028 | 0.04 | 0.055 | t | 75418 | YPTFGEHK QEKDLEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.028 | 0.04 | 0.055 | t | 75418 | YPTFGEHK QEKDLEY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.01 | -0.011 | 0 | t | 1784 | AHIRHHK MPVTNLR H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.013 | -0.031 | -0.024 | t | 12284 | EGSYPKLK NSYENK | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.027 | 0.02 | 0.032 | t | 106263 | AQWSPNP DMSVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.01 | t | 79109 | VKLSPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.038 | -0.05 | -0.04 | t | 31445 | KITKRRML RLMT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.017 | -0.01 | t | 78064 | VPLSPTME FMRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.022 | -0.017 | -0.008 | t | 54053 | RHKIINIRPI RRIKL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.002 | 0 | 0.012 | t | 141754 | SSSKTWG APLYY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 24591 | HQLDPAF GANSTNP D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.056 | -0.067 | -0.063 | t | 23102 | GVPPLRV WR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.046 | -0.033 | t | 109599 | MPGERGA AGIAGPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | 0.005 | -0.029 | -0.031 | t | 7672 | DAVSSPA QPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.01 | t | 111546 | MHPSNSK SPPRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.018 | t | 78298 | WHHMYV P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.028 | 0.01 | 0.014 | t | 149366 | LISSSQDG HQW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.002 | -0.029 | -0.03 | t | 77968 | PPPYAPNP GPPPPYTG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.043 | -0.07 | -0.07 | t | 66298 | TSLHRGPH GFPL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.043 | -0.07 | -0.07 | t | 66298 | TSLHRGPH GFPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.02 | -0.04 | -0.039 | t | 105562 | VAVVRTPP KSPSSAK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.02 | -0.04 | -0.039 | t | 105561 | VAVVRTPP KSPSSAK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.01 | t | 651 | ADDTPYTL SFAPHRH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.009 | t | 72363 | WENWM MGNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.015 | -0.007 | 0.002 | t | 106327 | DDDKLEQI RRDYTSGA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.001 | -0.019 | -0.014 | t | 10222 | DSRGSLLS PR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 10021 | DRNIYLVR Q | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.015 | -0.017 | -0.008 | t | 60718 | SRKQKKIR LRSSNNT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.055 | -0.031 | -0.063 | -0.059 | t | 18100 | FTWGGCLR DKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.001 | -0.033 | -0.027 | t | 44174 | NHVRIPIG YWAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.005 | -0.013 | 0 | t | 6023 | CAREYGTN RWVC | Homo sapiens |
| 1 | 1.00 | 1 | 0 | 0.03 | 0.03 | 0.057 | 0.027 | 0.051 | t | 101642 | FNSLTLL | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.008 | -0.029 | -0.03 | t | 78840 | SRS LPRQS LIQPPTFH PPSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.033 | 0.02 | 0.023 | t | 146906 | EVDHTNFK YNYSVIEG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.04 | t | 121827 | RVVPLLVA DPLVDPF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.025 | -0.013 | -0.017 | -0.008 | t | 44041 | NGNRSPTT LMGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.015 | 0.009 | 0.022 | t | 55707 | RRRFGARA MV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.032 | t | 140588 | PWSRFSL SE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.032 | -0.051 | -0.046 | t | 149470 | SNAWRPQ VNNPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.015 | -0.04 | -0.038 | t | 61862 | STRGRQTV KENKGT | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.031 | 0.014 | 0.024 | t | 14260 | ESRPRGVY PTEQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.005 | 0 | 0.01 | t | 7283 | CVLESHYE C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.019 | -0.021 | -0.03 | -0.018 | t | 14583 | ETVARMF PDFR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.03 | -0.05 | -0.047 | t | 79529 | CSTDKCNH PPKRQPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.012 | t | 120407 | APGYKHEI KYNC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.012 | t | 68401 | VEVPGSQ HIDSQKKA | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.012 | t | 30093 | KCTSDQDE QFIPKGCS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.023 | -0.051 | -0.052 | t | 73671 | YEGRSWT GVTQNKA KGIT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.016 | -0.01 | t | 107798 | DSARNTFK TTTAPYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 102384 | EFRH | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 78424 | IPRSRQIDL QIG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 48933 | PPTAPPLL PHSNL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 48906 | PPRRVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.027 | -0.02 | t | 115664 | YGSLPQKA QGHRPQD ENG | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.007 | 0.01 | t | 107946 | KNAASER GSFTDLKS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.001 | -0.009 | -0.001 | t | 7808 | DDKDPQF KDNVILLN KHIDA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.008 | t | 132794 | DRLYAQYP VPTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.054 | -0.046 | -0.053 | -0.05 | t | 127777 | PR SRLTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.012 | t | 38516 | LPGT PHI | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | -0.001 | t | 97337 | GHVTTLSL LSLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 58405 | SHRLLQTY WSSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 30093 | KCTSDQDE QFIPKGCS K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.011 | -0.01 | -0.008 | t | 7661 | DAVLAPHI GGEAGSS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.053 | -0.031 | -0.061 | -0.06 | t | 66326 | TSMARYV RHSNYKH M | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.049 | -0.031 | -0.044 | -0.038 | t | 78121 | DMTMLK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.023 | 0.039 | t | 140620 | YSLYQALT A | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.01 | t | 14717 | EVHLPPLH RSAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 138097 | YPYPLIS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 138088 | WLDLSKT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 153266 | IVTARARH DWNWVQ RSSRSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 134530 | SGTVGESV P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 137947 | PNTMKTQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 139029 | DLQVLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 134509 | RHFFNRSG TV | Mus musculu s |

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|---|------|---|---|---|---|---|---|-------|---|--------|------------------|----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 134170 | MVRHENR CVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 138047 | SSKPVSY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 134343 | DLYIK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 141963 | MVDRGW G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 134516 | RSGTVG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 137432 | NHNYPPLS LLTF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 130787 | EDFDIYDE DE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 132850 | KLDLYLSYP QPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 130555 | MHNRTQA LEDSR | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 130469 | DQPPTSRV PSLR | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 130622 | TGLVAQG TDSIG | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 130614 | STLPYLPTY SKH | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 130513 | IGYQPSMP LDMP | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 130612 | SPNTAHIT SKSL | Camelus dromed arius |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106938 | TTVQLYST YPAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106690 | NSDHFLQP DPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106515 | HLPSFLRP DPPL | Mus musculu s |

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|---|------|---|---|---|--------|---|---|-------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106850 | SLQQLYDE YPGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106976 | VPTQLYNL YPPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106487 | GTSTEVWL APDP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106429 | FVLPWRI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106347 | DMQLYPV LTPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106646 | MHLTQSP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106535 | IFPSFLRPD PPL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106642 | MHLNTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106363 | DVYWLMPP DPPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 106909 | TISQLYSSY PSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 62286 | SVPNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.012 | t | 62440 | SWFDNFL YPTH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 79280 | LAPISGTV QSAHLIRF D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 79285 | LDPEYWN FRNGDLT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 63697 | TFLARG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 46677 | NYNWKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 57754 | SFFD | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 48947 | PPWDFDA GEGIH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 15473 | FDVTTLNP TIAGAGDV K | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 10853 | DYAWDQT HQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 10538 | DVAGLEK DPVA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.02 | t | 127644 | ESMPALS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.01 | -0.004 | 0.004 | t | 132614 | RLPNPDTD LYWFTLY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.014 | 0.001 | t | 113002 | GKGRGLSL SR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | 0.005 | -0.033 | -0.03 | t | 101459 | AACNCLK QLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.073 | -0.081 | -0.074 | t | 130980 | NCAYKTTQ ANKQAQI HGPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.01 | 0 | 0.01 | t | 53039 | QYTDHHSS LLGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.002 | -0.027 | -0.029 | t | 30637 | KETNNSISF MSNAGSL EKK | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.014 | 0.011 | 0.022 | t | 111434 | IVGTGPQP SSTV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.035 | 0.02 | 0.032 | t | 79051 | QKSSPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.013 | t | 41232 | MDIDPYKE FG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.027 | -0.019 | t | 107162 | GMLDIFAP IRHV | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.027 | -0.05 | -0.047 | t | 51297 | QLCQLLGA MI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.014 | -0.05 | -0.049 | t | 94483 | CYKKVWR DHRGTIER GC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 138251 | THDLSSRA SSSLSYN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.046 | -0.06 | -0.057 | t | 28265 | IRAWVAW RAHCQNR D | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.01 | -0.03 | -0.025 | t | 46006 | NSTLGVKS AREF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | -0.001 | 0.012 | t | 20961 | GLKNCTV QPWDATD VCD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 158584 | APPHQMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.019 | t | 122440 | KLYPDGDP RLSSYSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.019 | -0.01 | -0.01 | t | 14084 | ERTLPGQK ACDDVN | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.011 | 0.019 | -0.01 | -0.01 | t | 14084 | ERTLPGQK ACDDVN | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.016 | -0.019 | -0.008 | t | 111551 | MKVSNHK DIPPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 78236 | PHSSLWHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.018 | -0.01 | -0.01 | t | 11374 | EDKSVTEEI AEEDKSVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.072 | -0.036 | -0.071 | -0.07 | t | 33328 | KSGRC | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.062 | 0.04 | 0.046 | t | 21330 | GMQLAEQ FK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0 | 0.002 | t | 4397 | ASFEAQG ALANIAVD KA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.022 | 0.013 | 0.019 | t | 132905 | SVHMPV WGQNTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.013 | -0.023 | -0.012 | t | 30292 | KEAIPMAV EMAKSQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.03 | t | 60766 | SRPPSLFR P | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.014 | -0.023 | -0.02 | t | 36456 | LIAHTLAIR YAN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.013 | 0 | t | 61212 | SSMGAYW GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.028 | -0.037 | -0.03 | t | 9288 | DLSVLGSR RPFFVWA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | 0.017 | -0.01 | -0.007 | t | 41727 | MIKAAFLP TGAFMAD RYKSH | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.001 | 0.012 | t | 60256 | SPSHYLAR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | 0 | t | 77853 | DMQYRSP TGLST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.007 | 0 | t | 107257 | TSPILDVLT PPR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.044 | -0.049 | -0.038 | t | 133507 | ALPLHGSP WKWY | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.022 | -0.013 | -0.011 | t | 7244 | CTWQQW ERELQGYD | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.04 | -0.05 | -0.038 | t | 79376 | RRIFRD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.022 | 0.01 | 0.02 | t | 146167 | ALSENKLR V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.022 | t | 106909 | TISQLYSSY PSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 75422 | YPTPMLN RSSFT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.033 | -0.033 | -0.028 | t | 104144 | NDSQCWK LGCIAEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 140547 | CSIGEALS HGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.007 | -0.009 | -0.003 | t | 63729 | TFPPTPEK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.034 | 0.01 | 0.015 | t | 156546 | STEDSGLT GVKDSSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.017 | 0.02 | 0.02 | 0.032 | t | 97369 | GTVALTAG A | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.017 | -0.02 | -0.021 | t | 63837 | TGGLVSLF NPGPSQD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.034 | 0.01 | 0.01 | t | 44189 | NIASHISSI SARTGDPV TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.034 | 0.01 | 0.01 | t | 44189 | NIASHISSI SARTGDPV TN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | t | 79210 | FCLPTREST GRACP | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 135449 | CATLRVYK GG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 135471 | KDKATFGC HDGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 135191 | NTLKTPRV GGC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.037 | 0.013 | 0.02 | t | 38438 | LPDTLSS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.022 | t | 1802 | AHMFQRS PFQRY PNS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0.012 | t | 106363 | DVYWLMP DPPTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.009 | 0.002 | t | 111506 | LPLGQH QF NPSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 110074 | VTPPW T APKSR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | 0.025 | -0.02 | -0.017 | t | 133575 | FMRF | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.001 | -0.014 | -0.008 | t | 78196 | LNGLVL | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.029 | 0.017 | 0.021 | t | 121072 | YANETCCD FFT NQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 140588 | PWSRFSL S E | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | -0.004 | 0 | 0.012 | t | 137935 | NFNTVRY DYYGD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | 0.026 | -0.02 | -0.02 | t | 79778 | DGVREARS G | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.003 | 0 | 0.012 | t | 78997 | IGCHF PSC FGPVWPS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.013 | -0.008 | t | 103871 | EDYWLRS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.031 | -0.02 | t | 46547 | NWKFAPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.041 | -0.03 | t | 133655 | NIAHPDR WDRLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.015 | -0.01 | -0.007 | t | 77810 | YSASVKGR FIVS | Mus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.023 | -0.044 | -0.05 | -0.038 | t | 141542 | GRKSFHKL DGSF | Rattus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.018 | t | 106976 | VPTQLYNL YPPL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.028 | 0.013 | 0.012 | t | 74005 | YGGIPGGI STPITQQS EKSK | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.012 | t | 103991 | IMEQCFEI GCPATN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.03 | -0.031 | -0.02 | t | 72560 | WHWNKPI RPPLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.011 | -0.007 | 0.002 | t | 106998 | WTVARNP DELRV | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.023 | 0.029 | 0.02 | 0.032 | t | 79391 | SGVGQA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.032 | -0.003 | 0 | t | 105084 | AFNRFGEG LVQR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0.012 | t | 106969 | VKWTPAP DSLIL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.02 | -0.02 | -0.01 | t | 144818 | YCAWPAC YGGGLPDS VKI | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.017 | -0.008 | t | 23871 | HFTGGVL NWFS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.003 | 0.011 | t | 114746 | ASQKRPSQ RSKYLATA STMD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.03 | -0.037 | -0.02 | t | 122488 | MSAKAAL EPRLAPG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.05 | -0.057 | -0.049 | t | 69988 | VMLPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.01 | t | 131275 | WHDDNPF FFEAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.04 | 0.029 | 0.04 | t | 97596 | QTPLTMA ALELL | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.062 | 0.02 | 0.022 | t | 72959 | WPPPNML TS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.003 | -0.01 | -0.003 | t | 134659 | EASPERPS PAFP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.025 | -0.029 | -0.02 | t | 55276 | RPPTRYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.001 | -0.001 | 0.01 | t | 72689 | WKMPRAT DWNLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 106642 | MHLNTPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0.01 | t | 24438 | HPDSIHPF LASP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.03 | -0.028 | t | 34165 | KVPPWAR TA | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.001 | 0.012 | t | 151493 | VVDGPETK EC | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.007 | 0 | 0.01 | t | 130607 | SHNLVSSA FPSA | Camelus dromedarius |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.022 | 0 | 0.01 | t | 104159 | NSLLVSI | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.006 | -0.009 | 0.002 | t | 111290 | FQRDDLRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.02 | t | 131165 | YRWLPPSSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.031 | -0.02 | t | 46547 | NWKFAPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.031 | -0.02 | t | 46547 | NWKFAPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.037 | -0.03 | t | 72936 | WPHNHSTHSRTH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.039 | -0.037 | -0.03 | t | 60807 | SRSPTRKKI NNIILN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.068 | -0.047 | -0.069 | -0.069 | t | 9619 | DPDYVPPV VHGCLPP T | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.029 | -0.03 | -0.02 | t | 56007 | RSYQHDRL AYGFWRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.007 | -0.02 | -0.017 | t | 45013 | NMPASMK RVRIE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 77910 | HTSPTGLR FQVQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.012 | t | 11872 | EESDDDM GFGFLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.012 | t | 11872 | EESDDDM GFGFLD | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.042 | -0.001 | 0.002 | t | 156480 | YKEQDFTP VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.045 | 0.096 | 0.053 | 0.05 | t | 47233 | PEADTDPL | Bos taurus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.007 | 0.02 | t | 16101 | FHENWPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.012 | -0.02 | -0.02 | t | 78006 | SIPYLSAAD YAYTASDV AET | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.03 | -0.05 | -0.05 | t | 136113 | ACKRGRQ TPVLYAML DHSRS | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.052 | 0.057 | 0.051 | 0.061 | t | 108022 | LTNSNAPS ITVQGLE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.039 | -0.057 | -0.059 | t | 44731 | NLGRAVF QAKKRVLE PLGLV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.022 | 0.013 | 0.022 | t | 132883 | PRSENGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 158609 | SFGTALW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.039 | t | 107747 | ASNTNYIT STLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.018 | t | 77912 | HYSPTGLR WTTM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.017 | 0.01 | 0.02 | t | 79231 | GISHTG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.048 | t | 72901 | WNPKFH W | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.07 | 0.066 | 0.082 | 0.07 | 0.08 | t | 146228 | EYSDSGIE V | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.029 | -0.018 | t | 133604 | HSLSMYFD WVPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.018 | -0.033 | -0.028 | t | 104130 | MPLQRTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.007 | -0.02 | -0.019 | t | 65417 | TNSDMTI NTCLIEQC HVSVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.019 | -0.01 | -0.008 | t | 74006 | YGGIYMN G | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.01 | t | 132645 | SAKRRALE AHVA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.014 | 0 | t | 131222 | GWYSPFQ LGWPQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.007 | 0.001 | 0.011 | t | 6549 | CLDSSRGI C | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.022 | t | 108200 | VSLGKWL GHPDKF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.015 | 0.003 | 0.012 | t | 137470 | YSVKPPLP YLPP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.017 | -0.015 | t | 134237 | SQWN | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.046 | -0.039 | t | 143850 | DLTIMPW SLYPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.061 | -0.06 | -0.063 | -0.05 | t | 78309 | WHTLLAA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.05 | 0.05 | 0.057 | 0.043 | 0.06 | t | 104059 | LTSSSQH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | -0.021 | -0.039 | -0.041 | t | 63202 | TDNNQNG GRNGARP KQRRP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.019 | 0.011 | 0.022 | t | 102113 | TETPYTD YNLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.019 | 0.003 | 0.01 | t | 5560 | AVTGID | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.012 | -0.031 | -0.026 | t | 149334 | HNIFNPPII AR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | -0.009 | 0.009 | t | 6892 | CQQFLSVR ALC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.042 | 0.007 | 0.006 | t | 156480 | YKEQDFTP VV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.009 | 0 | t | 56787 | SAFSPTHY K | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.028 | 0.009 | 0.014 | t | 149366 | LISSSQDG HQW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.018 | t | 10646 | DVKMME RVVEQMC VTQYQKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.027 | 0.04 | t | 110088 | WDSGFELS GPGK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.009 | -0.02 | -0.01 | t | 153465 | SNWRDHY GLGAGGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.019 | -0.01 | -0.02 | -0.01 | t | 21127 | GLSLPPG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.03 | -0.05 | -0.047 | t | 11800 | EENISLDLI QQYYLT FN FD | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.02 | t | 77837 | ATISPTGLV YQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.041 | 0.001 | 0 | t | 5310 | AVEVDPD DVN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.033 | -0.026 | t | 117519 | GRGTVA AAAAAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.012 | 0.036 | 0.02 | 0.03 | t | 109951 | SSLSDMH DCESV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.027 | 0.03 | 0.031 | 0.042 | t | 43216 | NALTSHTA SPAP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.007 | -0.044 | -0.04 | t | 98809 | GWCR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.024 | 0.013 | 0.028 | t | 136000 | SRFSWGA EGQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.062 | 0.02 | 0.022 | t | 72954 | WPMVIPA SISTM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.008 | -0.009 | 0 | t | 153266 | IVTARARH DWNWVQ RSSRSL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.022 | -0.011 | -0.01 | t | 84423 | KKGLQQL QEWEDW VGWIGN | Felis catus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.003 | -0.007 | 0.002 | t | 44779 | NLLHKKPK ITQL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.02 | -0.031 | -0.02 | t | 36189 | LGKPLPNA LRSH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.002 | -0.02 | -0.01 | t | 104174 | PIDQLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.01 | t | 133999 | AGWILTEL EQSATVM KS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.022 | 0.023 | 0.034 | t | 119598 | INPESDQP DLSNFMES G | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.009 | t | 118735 | AETREER MERKRRE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.005 | 0.004 | -0.01 | 0 | t | 132850 | KLDLYLSYP QPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.02 | t | 77844 | CLAAPTGL KLAP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.003 | -0.02 | -0.012 | t | 121070 | WVYYTCC PDTPYL | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | t | 79282 | LCEETPPN ETTPCI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.037 | 0.03 | 0.04 | t | 146228 | EYSDSGIE V | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.018 | t | 78302 | WHRLAI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.022 | 0.012 | -0.01 | -0.007 | t | 94823 | GAVDSILG GVATYGA | Macaca mulatta |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.028 | -0.044 | -0.051 | -0.038 | t | 141542 | GRKSFHKL DGSF | Rattus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.049 | -0.04 | t | 122400 | HSAHRGP TYDPRVLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.009 | 0 | t | 111109 | AMGYQHP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 77982 | QPYDKNR GPTLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.01 | t | 132416 | KSRANGG AGSSA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.02 | t | 134122 | KVNERGEY FW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.01 | 0.003 | 0.02 | t | 134122 | KVNERGEY FW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.11 | -0.077 | -0.113 | -0.11 | t | 42310 | MPRARYG L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.024 | 0 | 0.001 | t | 45627 | NQSLDLAE QELVDCAS QHGC | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.032 | 0.021 | 0.03 | t | 133723 | TTTSPYND RQLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.03 | -0.05 | -0.047 | t | 11800 | EENISLDLI QQYYLTFN FD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.03 | -0.05 | -0.047 | t | 11800 | EENISLDLI QQYYLTFN FD | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.039 | -0.03 | -0.05 | -0.047 | t | 11800 | EENISLDLI QQYYLTFN FD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.019 | -0.008 | t | 133602 | HSIYSEWQ PMWP | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.004 | -0.01 | 0.002 | t | 23974 | HGYSAHA ASPNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.004 | -0.01 | 0.002 | t | 23974 | HGYSAHA ASPNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0.001 | 0.013 | t | 9586 | DPAFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.009 | t | 140546 | CNLWEVM HGTC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.009 | t | 140547 | CSIGEALS HGC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.009 | t | 140606 | TMWDALE AP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.009 | t | 140582 | PWATLVA ES | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.009 | t | 125602 | WMSYPDR TLRTS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.009 | t | 125363 | APKTYVSV SGMV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.009 | t | 125600 | WESYPFRV GTSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.009 | t | 125351 | AALWGVK VRHVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.03 | -0.02 | t | 55276 | RPPTRYH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.025 | 0.013 | 0.022 | t | 137470 | YSVKPPLP YLPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.024 | 0 | 0.004 | t | 9515 | DNNKTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.019 | 0.03 | t | 63092 | TCPGEDC HTMYPFTY RGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 140587 | PWQRGLR DL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.025 | -0.029 | -0.02 | t | 19958 | GGPIPTIPR PTL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.04 | t | 153450 | QSFKDHLP AGMRGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.027 | 0.034 | t | 138224 | QAPRLMS SLSYFPQS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.013 | -0.008 | t | 103871 | EDYWLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.007 | 0 | 0.01 | t | 145634 | WHWRQP TWLQVI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.031 | 0.021 | 0.03 | t | 63092 | TCPGEDC HTMYPFTY RGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.016 | 0.035 | 0.023 | 0.032 | t | 13904 | EQPYRSM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.013 | -0.007 | -0.003 | t | 13293 | ELTPAETS VR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.009 | -0.01 | -0.01 | t | 94552 | IEDNWYT HYLVCNYG PGGND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.012 | -0.04 | -0.031 | t | 138793 | MKGLRGH PGLQGMP GPSGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.007 | 0.016 | 0.001 | 0.01 | t | 109298 | HNAQPMT SWPIN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.013 | -0.03 | -0.027 | t | 125537 | QPVWQDE GQRLRPSK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.021 | -0.03 | -0.02 | t | 79655 | TASFHRN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.021 | 0.02 | 0.03 | t | 62566 | SYHSDNN | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.02 | 0 | 0.003 | t | 64525 | TKAIINYQY NQYTEEEK NN | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.016 | -0.027 | -0.02 | t | 132780 | APHWGQ N | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.016 | 0 | 0.01 | t | 111086 | AASMRTLE AHSK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.019 | -0.01 | -0.008 | t | 74006 | YGGIYMN G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | -0.01 | -0.04 | -0.039 | t | 78459 | LTRAIARA AYV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.011 | -0.011 | -0.007 | t | 65615 | TPISPPLRD SHP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.011 | -0.011 | -0.007 | t | 65615 | TPISPPLRD SHP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.032 | 0.002 | -0.009 | 0.002 | t | 101632 | FHPYYNPI GLLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.003 | t | 145776 | FDTGA FDP DWPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.031 | 0.021 | 0.03 | t | 63091 | TCPGEDC HSMYPFTY RGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.045 | -0.053 | -0.04 | t | 25490 | ICACLCCA CSYNSV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.042 | t | 77910 | HTSPTGLR FQVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.018 | t | 158585 | APPHVMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.03 | -0.028 | t | 34165 | KVPPWAR TA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.02 | t | 54919 | RMLPASLH L | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.043 | -0.063 | -0.059 | t | 111042 | TIHAHPGS RRGGRHGYHH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.009 | t | 106841 | SHWTRQPD TIMI | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.036 | 0.008 | 0.012 | t | 8900 | DKILVQAN EAETTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.016 | -0.01 | -0.01 | t | 49539 | PSTSSKLRP RWTFTSPP VTT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.05 | -0.05 | -0.04 | t | 153448 | QPNHRDH FKLPAGGGS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.008 | 0 | 0.01 | t | 140592 | PYHQLTH GS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.015 | -0.011 | -0.01 | t | 16296 | FISEAIIHVL HSR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.022 | t | 77912 | HYSPTGLR WTTM | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.001 | -0.01 | -0.008 | t | 105024 | VIQGSRL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.008 | -0.023 | -0.02 | t | 104230 | RTRNQPN | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.018 | t | 76556 | YYNMAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | 0.002 | t | 79289 | LGPVNS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.007 | 0.001 | t | 72021 | VYFLPLRG ERVKSVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | -0.001 | t | 79281 | LCAPCAVP GNEAWS | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0.001 | t | 40729 | LYDAAKAY AEQLKEN GVINY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.015 | -0.023 | -0.01 | t | 6293 | CGGTRRPI ASC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.006 | -0.02 | -0.01 | t | 79645 | SLGMHPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.012 | t | 46803 | PAGEIKVG KLRQLQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.012 | t | 46803 | PAGEIKVG KLRQLQR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.023 | -0.029 | -0.018 | t | 133604 | HSLSMYFD WVPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.004 | -0.029 | -0.021 | t | 53162 | RALSMPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.018 | -0.033 | -0.028 | t | 104130 | MPLQRTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | 0.016 | -0.03 | -0.03 | t | 80092 | VTTSGGGK QG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.02 | t | 127904 | YPMSWRG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.002 | -0.017 | -0.01 | t | 65501 | TPALNSLP YVFLFSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.018 | -0.011 | -0.008 | t | 46795 | PAFLGCSS RFGSFSFG VEP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.007 | 0.02 | t | 49394 | PSHDILAS HGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.05 | -0.05 | -0.04 | t | 42505 | MRTKRRT RRIMM | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.013 | t | 571 | ACKSTQDP MFTPKGCDN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.015 | -0.039 | -0.04 | t | 42289 | MPKTRRQ RTRRARRN RPPTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.003 | -0.021 | -0.017 | t | 34165 | KVPPWAR TA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.019 | -0.05 | -0.048 | t | 60722 | SRLGRSSA WV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.015 | -0.048 | -0.05 | t | 32684 | KPDYEPPV VHGCPLPP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | 0.006 | -0.04 | -0.041 | t | 80093 | VTTSGGGR QG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.013 | 0.02 | t | 77837 | ATISPTGLV YQT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 77910 | HTSPTGLR FQVQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.007 | 0.012 | t | 138193 | HTYTSHLR YVPPISL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.007 | 0 | 0.01 | t | 132903 | SQSSWKS VGSQW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | 0.002 | t | 106298 | AYFNLHPT TQLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.015 | -0.016 | -0.011 | t | 138791 | MKGLRGH GGLQGMP GPNGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.015 | -0.016 | -0.011 | t | 138793 | MKGLRGH PGLQGMP GPSGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.015 | -0.016 | -0.011 | t | 138792 | MKGLRGH PGLQGMP GPNGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.003 | -0.03 | -0.028 | t | 101954 | PDPLSPGE QLLYNK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|--------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.002 | t | 140591 | PYHQFQT GQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 77912 | HYSPTGLR WTTM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.007 | -0.02 | -0.017 | t | 45013 | NMPASMK RVRIE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.02 | -0.063 | -0.062 | t | 105493 | RDRARVPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.024 | -0.037 | -0.03 | t | 78262 | RKLGAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.008 | -0.05 | -0.05 | t | 31740 | KKYRYYLK PLCKK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.011 | t | 24438 | HPDSIHPF LASP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.023 | -0.054 | -0.049 | t | 67164 | TVSRVPW TAWAFHG Y | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.008 | -0.01 | 0.002 | t | 141755 | STDIISSW KHWGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.007 | -0.021 | -0.021 | t | 32485 | KNESKYSN TFQVNAY NMSIR | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.016 | -0.01 | -0.007 | t | 56807 | SAHGTSTG VRGP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.023 | -0.05 | -0.05 | t | 13447 | ENAVRSSL KVATSGDC FVHG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.018 | t | 106888 | SYSIWPD T RVSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.03 | -0.044 | -0.046 | t | 136113 | ACKRGRQ TPVLYAML DHSRS | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.035 | -0.011 | -0.033 | -0.03 | t | 108660 | TLTFTLNKL R | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.02 | t | 122440 | KLYPDGDP RLSSYSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.021 | -0.053 | -0.058 | t | 107828 | ERGLKGHR GFT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.032 | -0.057 | -0.057 | t | 14181 | ESKHSCQI WCDNML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.07 | -0.06 | -0.07 | -0.061 | t | 79055 | QRARSHR PHGLPWL M | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.05 | -0.051 | -0.04 | t | 133655 | NIAHPDR WDRLR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.013 | t | 44174 | NHVRIPIG YWAV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.013 | t | 5582 | AVTRGTIN DPQRAKE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.018 | -0.01 | -0.009 | t | 11374 | EDKSVTEEI AEEDKSVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.034 | -0.049 | -0.04 | t | 111096 | AGNDRM H | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.026 | -0.043 | -0.05 | -0.04 | t | 141557 | PTTRKWW LKLDG | Rattus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.017 | 0.01 | 0.022 | t | 143214 | WDGQWD TLNW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.017 | 0.01 | 0.022 | t | 143214 | WDGQWD TLNW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.01 | 0 | 0.008 | t | 130872 | GSFLTKEP SKLNDRA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.019 | -0.011 | t | 153266 | IVTARARH DWNWVQ RSSRSL | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.036 | -0.06 | -0.059 | t | 61799 | STNRQSG RQPTPLSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.014 | 0.013 | 0.022 | t | 122198 | TEADVNP KPIPSQMPT SP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.062 | 0.02 | 0.023 | t | 72959 | WPPPNML TS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | -0.003 | -0.003 | 0 | t | 108065 | PGRMTDN SGPQRFSA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.039 | -0.03 | -0.05 | -0.047 | t | 11800 | EENISLDLI QQYYLT FD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.044 | -0.03 | -0.05 | -0.047 | t | 11800 | EENISLDLI QQYYLT FD | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.016 | -0.011 | -0.008 | t | 60062 | SPGGLEPP SEKHFRET EV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.012 | -0.01 | 0.002 | t | 66830 | TTSSGLASL FNSGARQ H | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.013 | t | 57064 | SCATTVDA KFRPNGCT D | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.013 | t | 30093 | KCTSDQDE QFIPKGC S K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.013 | t | 11571 | EEEDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.013 | t | 11571 | EEEDDDM GFGFLD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.013 | t | 11872 | EESDDDM GFGFLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.013 | t | 571 | ACKSTQDP MFTPKGC DN | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|------------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.041 | t | 124013 | DKRQLQS GQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.017 | -0.013 | -0.01 | t | 60270 | SPSSTKSSS PSSTKSSS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.02 | 0.009 | 0.02 | t | 97384 | HLQDGSP PSSPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.01 | -0.019 | -0.009 | t | 49792 | PTTPKSILH FLFPLF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.01 | -0.01 | 0.003 | t | 145775 | FDTGA FDP DWPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | 0.007 | -0.019 | -0.02 | t | 74601 | YLDFNALN LFFSPLEFQ HLI | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.023 | -0.06 | -0.059 | t | 79854 | HVPFCFGK DLKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.026 | -0.029 | -0.018 | t | 111394 | HDQTLPG GVRLH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.004 | -0.007 | 0.008 | t | 136000 | SRFSWGA EGQ | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.017 | 0.01 | 0.022 | t | 124827 | VNSHGWP IH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.038 | -0.059 | -0.058 | t | 10639 | DVKFPGG GQIVGGV YLLPRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.012 | t | 31098 | KHAQYVS AESFL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.029 | -0.041 | -0.03 | t | 29112 | ITTFSKRHL WTYKLN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.032 | 0.01 | 0.02 | t | 104000 | KALSSPY | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.027 | -0.017 | t | 115547 | VRAPWHQ HYTPP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.05 | -0.038 | t | 153458 | SELSPAML HFMFGGG S | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.022 | 0.007 | 0.01 | t | 104155 | NPEDCFKT GCNSPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | 0.002 | t | 108825 | AVLMLPV WACLS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | 0.002 | t | 19527 | GFFSRLN WLTKS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.009 | -0.029 | -0.028 | t | 65774 | TPSPVVVG TTDRSGAP TYSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | -0.003 | 0.012 | t | 63931 | TGPGTNN PENPITES AHLNV | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.005 | -0.03 | -0.03 | t | 41775 | MISGPCPK AGQPSSLVV QSSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.037 | 0.03 | 0.04 | t | 79328 | PCSRAETN PTMQCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.037 | 0.03 | 0.04 | t | 79328 | PCSRAETN PTMQCP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.002 | -0.011 | 0 | t | 48154 | PKTHNSGR SNVD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.007 | -0.02 | -0.018 | t | 65417 | TNSDMTI NTCLIEQC HVSVT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.042 | 0.027 | 0.032 | t | 103934 | GKVQAQS | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.031 | -0.027 | -0.018 | t | 106741 | QQFAPWP NWTLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.025 | -0.058 | -0.06 | t | 32684 | KPDYEPPV VHGCLPP P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | -0.024 | -0.032 | -0.02 | t | 24487 | HPPGHRLT LIPH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.047 | -0.041 | t | 56138 | RTNHSGN SVPDK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.025 | 0.013 | 0.02 | t | 148260 | SPLFAMLA PAVD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.02 | -0.018 | t | 67979 | VDHVGLG TAFENSIY | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.02 | -0.01 | t | 111447 | KESPTNHK TRLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.03 | -0.027 | t | 34165 | KVPPWAR TA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 153473 | THRPLSHN FRDFGGGS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.047 | 0.03 | 0.042 | t | 79301 | LSNQSG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.026 | -0.043 | -0.05 | -0.04 | t | 141557 | PTTRKWW LKLDG | Rattus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.03 | -0.02 | t | 79400 | SRPTML | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0.001 | t | 40729 | LYDAAKAY AEQLKEN GVINY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.01 | t | 28210 | IQQRASFG PHGF | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.007 | 0.003 | t | 141772 | VDQNAKS WGQMK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.027 | -0.017 | t | 141637 | EHWPQW GLALKR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | 0.003 | -0.007 | -0.001 | t | 33531 | KSTQRSTR RNLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.04 | -0.047 | -0.03 | t | 122490 | MTPNDRR IHRYPERL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.01 | t | 38397 | LPAHGPSL S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.013 | t | 11571 | EEEDDDM GFGFLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.001 | 0.013 | t | 11571 | EEEDDDM GFGFLFD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.012 | 0.011 | 0.024 | t | 102076 | SNPIELL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.035 | -0.02 | -0.023 | t | 135454 | DYEDRY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.024 | -0.029 | -0.018 | t | 1448 | AGAPDRA RGQYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.006 | 0 | 0.012 | t | 55057 | RNSDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.013 | t | 145775 | FDTGA FDP DWPA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.012 | 0.003 | 0.012 | t | 51870 | QPLHSPL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.017 | 0.003 | 0.02 | t | 146256 | FTPEGDHR P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.001 | -0.01 | 0 | t | 28382 | IRRA | Gallus gallus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.012 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | -0.003 | 0.012 | t | 51372 | QLINTNGS WHINSTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.013 | t | 68401 | VEVPGSQ HIDSQKKA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0.012 | 0 | 0.01 | t | 146256 | FTPEGDHR P | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 158584 | APPHQMP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.017 | -0.008 | t | 106981 | VRWTTSP NLLFV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | 0.007 | -0.041 | -0.04 | t | 54393 | RKLWCHH FC | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.037 | -0.021 | t | 122544 | QVIKMDLP QYEPRLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.04 | -0.028 | t | 140587 | PWQRGLR DL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | 0.003 | 0.012 | t | 106298 | AYFNLHPT TQLV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.025 | -0.049 | -0.05 | t | 42289 | MPKTRRQ RTRRARRN RPPTP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.009 | -0.011 | 0 | t | 62328 | SVSLPYAN LATH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | 0.002 | t | 6232 | CFKGVRLD GTPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.002 | -0.02 | -0.01 | t | 15856 | FFNIAY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.018 | -0.033 | -0.028 | t | 103966 | HALTPSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.012 | t | 137421 | HSPRYHSE PQFG | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.015 | 0.009 | 0.02 | t | 54399 | RKNPQRST LRIN | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.01 | 0.003 | 0.019 | t | 107991 | LDHRTPRP DLLK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.025 | -0.027 | -0.02 | t | 65578 | TPGNHWG ETTFPALR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.019 | 0.029 | t | 131262 | SLPPWYSP FKLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0 | 0 | 0.013 | t | 53018 | QYPALT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0 | 0 | 0.013 | t | 53018 | QYPALT | Ovis aries |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.001 | -0.019 | -0.011 | t | 78283 | TLSNLTHV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.009 | 0.007 | 0.012 | t | 138193 | HTYTSHLR YVPPISL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.008 | t | 158586 | APSHPPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.023 | -0.01 | t | 104047 | LNKTFYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.031 | 0.01 | 0.02 | t | 118793 | FDYSKHV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.011 | 0 | t | 49394 | PSHDILAS HGFP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.026 | 0.011 | 0.02 | t | 111972 | YSHADTM | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.031 | 0.011 | 0.02 | t | 61389 | SSTHSAP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | 0.004 | -0.007 | 0 | t | 132905 | SVHMPV WGQNTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.028 | -0.05 | -0.048 | t | 94429 | AICKRIPNK KPG | Mus musculus |
| 1 | 1.00 | 1 | 0 | 0 | 0 | 0.027 | 0.004 | 0.021 | t | 101722 | HTQPYAYE ARDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.021 | t | 79472 | YCTPSDRFI PHPCS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.02 | t | 56679 | RYVSAESN GFGW | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.015 | -0.02 | -0.01 | t | 74100 | YHACPPW VGIHRCEL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.02 | -0.031 | -0.018 | t | 99421 | LITFFRWT TPLK | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.008 | 0 | 0.01 | t | 90647 | WYSLNGKI RAVDVPK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.019 | -0.03 | -0.021 | t | 4463 | ASHTVKPR HHPTQRR | Mus musculus |
| 1 | 1.00 | 1 | 0 | 0 | -0.002 | 0.027 | -0.003 | 0.021 | t | 102086 | SSAFYPK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.007 | -0.02 | -0.01 | t | 52291 | QSAQYTIN RVMM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.006 | 0.039 | -0.003 | 0.001 | t | 74114 | YHIQAGLP DP | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|-------|--------|--------|---|--------|---------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.001 | 0.01 | t | 20563 | GKFPGSKP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | 0.001 | -0.01 | 0 | t | 99108 | ANSLDNW FRIFP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.084 | -0.08 | -0.087 | -0.075 | t | 150739 | YLFKANPN YAGNSIK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.03 | 0.023 | 0.04 | t | 106232 | AFMTPFPE SLTP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.017 | 0.003 | 0.02 | t | 139624 | TPTAPRQ | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.007 | 0.02 | t | 6232 | CFKGVRLD GTPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.014 | t | 97288 | ETQLTTAG LRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.014 | t | 97594 | QTPLTETA LKWH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.014 | t | 97595 | QTPLTMA ALELF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.011 | t | 79283 | LCKTEART RAAPCA | Mus musculu s |
| 1 | 1.00 | 1 | 0 | 0.03 | 0.03 | 0.057 | 0.027 | 0.051 | t | 102076 | SNPIELL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | 0.009 | -0.013 | -0.01 | t | 108661 | TPDSLGRP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.011 | 0 | 0.011 | t | 106347 | DMQLYPV LTPH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.023 | 0.036 | 0.01 | 0.019 | t | 59960 | SNYNPQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.02 | 0.008 | 0.02 | t | 43216 | NALTSHTA SPAP | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------|----------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.024 | -0.037 | -0.03 | t | 78185 | KKWLAA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.053 | -0.057 | -0.05 | t | 77851 | DLPRWPG WYKNR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.008 | -0.02 | -0.008 | t | 79109 | VKLSPF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.031 | -0.022 | -0.021 | t | 99055 | WQDCC | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.01 | -0.01 | 0.017 | -0.013 | 0.011 | t | 102077 | SNPLPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.011 | 0.003 | 0.012 | t | 34264 | KVYKYF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.017 | -0.008 | t | 58031 | SGFHGRS NPNDV | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.003 | -0.01 | -0.001 | t | 107991 | LDHRTPRP DLLK | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.01 | t | 103104 | DFLIEEIERL GQDL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.024 | -0.039 | -0.028 | t | 111786 | SLPKMLS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.021 | 0.031 | t | 133659 | NPWYNDL SLLTA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.024 | -0.016 | -0.027 | -0.02 | t | 132905 | SVHMPV WGQNTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.027 | 0.019 | 0.029 | t | 131262 | SLPPWYSP FKLD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.003 | -0.009 | 0 | t | 5179 | ATTVPAS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.014 | t | 11571 | EEEDDDM GGLFD | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.014 | t | 17814 | FSPSLEHPI VVSWSWD | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.014 | t | 28299 | IRGDTFAT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.014 | t | 3952 | AQEPPRQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.01 | 0 | t | 8464 | DGNPPEV KSVGLGN VNGVTL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.082 | -0.068 | -0.077 | -0.067 | t | 115451 | QPWHAKH YKTYH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.013 | 0.029 | t | 108151 | SYEYNERL KFYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.021 | 0.01 | 0.017 | t | 112472 | DEGGYTCF FRDHSYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.021 | 0.01 | 0.017 | t | 112472 | DEGGYTCF FRDHSYQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.007 | 0.015 | 0.01 | 0.015 | t | 126374 | KALRDGD WFWWEN SHVFTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.011 | -0.003 | 0.01 | t | 53263 | RCDLYPDG NLWGMP CPTY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.025 | 0.02 | 0.031 | t | 106263 | AQWSPNP DMSVS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.029 | -0.06 | -0.06 | t | 7671 | DAVSRKK MDTKPTD | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.029 | 0.01 | 0.019 | t | 122426 | KAYTVPSG PYVEPRL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.03 | -0.04 | -0.028 | t | 45773 | NSAVHFQ RQFSQ | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.031 | t | 122395 | HKFDRDN WYLGISDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0.002 | t | 40729 | LYDAAKAY AEQLKEN GVINY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.016 | -0.05 | -0.05 | t | 14551 | ETSWGQQ ST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.013 | -0.001 | 0.01 | t | 52291 | QSAQYTIN RVMM | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.019 | -0.01 | -0.007 | t | 74006 | YGGIYMN G | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.022 | -0.013 | -0.01 | t | 7244 | CTWQQW ERELQGYD | Capra hircus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.019 | -0.021 | -0.022 | t | 8644 | DIFTNSRG KRASKG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.037 | 0.027 | 0.04 | t | 78463 | MCDIDGQ GEEL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.003 | -0.01 | 0 | t | 131276 | WHEAQPS PGLLR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.013 | -0.013 | -0.01 | 0.002 | t | 122150 | MSKTLHA QLGFKKT | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.023 | 0.04 | t | 132381 | IGFTLYERS LWE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.048 | -0.06 | -0.051 | t | 137941 | PFRSYTK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0.012 | t | 79349 | QCYPHVST LGWSCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.007 | -0.03 | -0.027 | t | 34165 | KVPPWAR TA | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | 0.017 | -0.004 | -0.01 | 0.002 | t | 141579 | WKVRKSFF KLQG | Rattus |
| 1 | 1.00 | 1 | 1 | -0.15 | -0.155 | -0.143 | -0.157 | -0.146 | t | 138837 | CSSWYRG AC | Canis lupus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.043 | 0.006 | -0.04 | -0.04 | t | 80093 | VTTSGGGR QG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.024 | -0.027 | -0.018 | t | 65940 | TQSRKTQS PMLIIQL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.022 | 0.013 | 0.02 | t | 44779 | NLLHKKPK ITQL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.023 | 0.01 | 0.02 | t | 796 | ADWADW LDYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.004 | -0.019 | -0.009 | t | 111447 | KESPTNHK TRLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.047 | -0.037 | t | 115561 | WPWHVA HYGHYT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.021 | t | 56679 | RYVSAESN GFGW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.001 | 0.01 | 0 | 0.01 | t | 50832 | QGASGN WFHMTL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.014 | t | 119673 | WNPDDYG GVK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.017 | 0.03 | t | 63092 | TCPGEDC HTMYPFTY RGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.018 | -0.011 | -0.007 | t | 46795 | PAFLGCSS RFSGSFSG VEP | Mus musculu s |
| 1 | 1.00 | 1 | 0 | -0.03 | -0.03 | -0.003 | -0.033 | -0.009 | t | 101642 | FNSLTLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.05 | -0.04 | t | 99421 | LITFFRWT TPLK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | 0.012 | -0.03 | -0.03 | t | 78423 | INFLRMDD FARHFNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.017 | 0.003 | 0.012 | t | 102250 | YNQQSLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.009 | 0 | t | 57980 | SGARGKYE GPGQ | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.036 | -0.018 | -0.033 | -0.028 | t | 103966 | HALTPSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.004 | 0.017 | -0.01 | -0.005 | t | 41727 | MIKAAFLP TGAFMAD RYKSH | Aotus nancyma ae |
| 1 | 1.00 | 1 | 1 | -0.02 | 0.007 | -0.014 | -0.02 | -0.008 | t | 141578 | WKVRKAF LFAKN | Rattus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.02 | -0.063 | -0.061 | t | 105493 | RDRARVPL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.019 | 0 | 0 | 0.014 | t | 21851 | GQCKWV NGREICND RDRPTA | Macaca fuscata |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.047 | 0.033 | 0.042 | t | 102250 | YNQQSLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.002 | -0.01 | 0.001 | t | 64328 | TIIPYIGPA LNIGNMLY K | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.002 | 0.002 | -0.01 | 0.001 | t | 64328 | TIIPYIGPA LNIGNMLY K | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.009 | -0.01 | -0.009 | t | 94552 | IEDNWYT HYLVCNYG PGGND | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.038 | 0.006 | -0.037 | -0.038 | t | 116563 | TGKIPWILL PGR | Ovis aries |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------|
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.058 | -0.077 | -0.078 | t | 61792 | STNPKPQR KTKRNTNR RPQD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.025 | 0.017 | 0.03 | t | 63091 | TCPGEDC HSMYPFTY RGY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.036 | -0.06 | -0.058 | t | 61799 | STNRQSG RQPTPLSP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.01 | -0.049 | -0.05 | t | 103946 | GQKAKSN PNRPLPVP RNPCR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.009 | -0.01 | 0.002 | t | 1816 | AHSSRLYS PTISKHR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.019 | 0.001 | 0.009 | t | 78285 | TSSNADHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.019 | 0.001 | 0.009 | t | 78285 | TSSNADHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.012 | -0.02 | -0.02 | t | 77969 | PQIKVYAN IAPTNVHV AGEF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.013 | 0.009 | 0.023 | t | 103104 | DFLIEEIERL GQDL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.008 | -0.019 | -0.009 | t | 37683 | LLPRRGAP S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.01 | t | 24438 | HPDSIHFP LASP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.008 | 0.029 | 0 | 0.002 | t | 53015 | QYNTGNF SDGLYPFT N | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.006 | -0.009 | 0.002 | t | 111376 | GSGLPLYM LWLT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|--------------|
| 1 | 1.00 | 1 | 0 | 0 | 0 | 0.027 | -0.003 | 0.021 | t | 102077 | SNPLPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.002 | -0.01 | 0 | t | 90720 | YEVEKPLE PAPVAPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.018 | -0.027 | -0.017 | t | 115560 | WPWHTS HYNTAQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.047 | -0.04 | t | 7613 | DAPHWLA SPPFA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.004 | -0.011 | 0 | t | 144903 | HDFHDPTL EEQK | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.033 | -0.047 | -0.038 | t | 102249 | YNPWPLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.014 | -0.02 | -0.001 | t | 114971 | VDKRHDG GCR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.004 | -0.009 | 0.001 | t | 56787 | SAFSPTHY K | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.023 | -0.051 | -0.047 | t | 67164 | TVSRVPW TAWAFHG Y | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | 0.007 | -0.014 | -0.02 | -0.008 | t | 141576 | WKLRKWF FKDGG | Rattus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.038 | -0.047 | -0.037 | t | 115451 | QPWHAKH YKTYH | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.035 | -0.04 | -0.03 | t | 45875 | NSKGKMN TCHKVGN S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.01 | -0.01 | -0.003 | t | 38657 | LPQRQKK Q | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.007 | 0.002 | t | 102164 | TTTWYSW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.013 | -0.05 | -0.051 | t | 63835 | TGGIGNLP IRNWNFD FG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.043 | -0.038 | t | 103944 | GNYNLRR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.006 | -0.03 | -0.025 | t | 33215 | KRRLRPSR VRIE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.002 | -0.029 | -0.028 | t | 77968 | PPPYAPNP GPPPPYTG A | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.008 | -0.04 | -0.04 | t | 78032 | THGKADG DALVVLAS AGKDF | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.022 | 0.02 | 0.034 | t | 119598 | INPESDQP DLSNFMES G | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | 0.012 | -0.004 | -0.011 | 0.002 | t | 141579 | WKVRKSFF KLQG | Rattus |
| 1 | 1.00 | 1 | 1 | 0 | -0.005 | 0.012 | 0.003 | 0.012 | t | 53039 | QYTDHHSS LLGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.015 | -0.016 | -0.01 | t | 138792 | MKGLRGH PGLQGMP GPNGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.015 | -0.016 | -0.01 | t | 138793 | MKGLRGH PGLQGMP GPSGPS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.03 | -0.02 | t | 89610 | TMYPNRQ PGSGWDS S | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.005 | -0.011 | 0 | t | 72689 | WKMPRAT DWNLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.024 | -0.009 | -0.02 | -0.01 | t | 56087 | RTIRNTMT MPNL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.005 | -0.017 | -0.013 | t | 134237 | SQWN | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.018 | -0.019 | -0.007 | t | 70479 | VPSLHQTT HPTP | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 0 | 0.01 | 0.01 | 0.037 | 0.007 | 0.031 | t | 101712 | HNDPLLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0.002 | t | 40729 | LYDAAKAY AEQLKEN GVINY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.014 | -0.029 | -0.019 | t | 111488 | LKLRHLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | 0.007 | -0.014 | -0.02 | -0.008 | t | 141577 | WKMRKSF HKVPG | Rattus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.025 | -0.031 | -0.02 | t | 2977 | ALVNSPLT RAPM | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | 0.013 | -0.02 | -0.021 | t | 110124 | YGGFLRKY PK | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0.01 | t | 59900 | SNSDKPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.004 | -0.01 | 0.004 | t | 23974 | HGYSAHA ASPNF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.048 | 0.016 | 0.02 | t | 1368 | AFNRASD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.048 | 0.016 | 0.02 | t | 1368 | AFNRASD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.01 | -0.003 | 0.01 | t | 2977 | ALVNSPLT RAPM | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.034 | -0.047 | -0.04 | t | 78258 | RGNVLR | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.033 | -0.01 | -0.009 | t | 13471 | ENFSTSF WIRIPKYFNSI S | Equus caballus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.01 | -0.02 | -0.01 | t | 107798 | DSARNTFK TTTAPYS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.052 | 0 | -0.002 | t | 10908 | DYKDDDD K | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.04 | -0.041 | -0.028 | t | 62049 | SVARHKLP THTLRR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.057 | -0.041 | t | 122548 | RAFDVVG AGLDHRLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.001 | 0.01 | t | 57125 | SCPGEDCH TMYPFTYK GY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.006 | 0.016 | 0.009 | 0.019 | t | 65996 | TRAPRREE LEWDDDED H | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.017 | 0.013 | 0.022 | t | 132905 | SVHMPV WGQNTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.012 | -0.01 | 0 | t | 104159 | NSLLVSI | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.002 | -0.02 | -0.008 | t | 104174 | PIDQLLY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.019 | -0.053 | -0.048 | t | 60722 | SRLGRSSA WV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.021 | -0.06 | -0.061 | t | 150877 | PSVYVRQE LTPDQR | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.017 | -0.01 | t | 77832 | ANSFWVN HPTIT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.015 | -0.021 | -0.008 | t | 46557 | NWRFHDT | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.003 | -0.01 | 0 | t | 2193 | AKGHSLPR LVTS | Oryctolagus cuniculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-----------------|-----------------------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.047 | 0.03 | 0.043 | t | 79301 | LSNQSG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.023 | -0.01 | -0.01 | t | 39684 | LSSSSSTR | Capra hircus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.037 | 0.027 | 0.04 | t | 139510 | GPIDDAF | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.018 | -0.04 | -0.03 | t | 103963 | GWWSALY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0.012 | t | 79349 | QCYPHVSTLGWSCE | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.028 | -0.04 | -0.031 | t | 122397 | HPHKFQSSRQDYRLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.046 | 0.03 | 0.04 | t | 79330 | PDVAPS | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | 0.014 | 0 | 0.012 | t | 79644 | SHLSTMV | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.056 | -0.051 | -0.059 | -0.048 | t | 60256 | SPSHYLAR R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.016 | 0.01 | 0.022 | t | 76287 | YVGPLTQTLYGM | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.009 | 0 | 0.012 | t | 97337 | GHVTTLSSL LSLR | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.004 | 0 | 0 | 0.014 | t | 48669 | PNLRGDLQVLA | Sus scrofa |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|---------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.014 | t | 48669 | PNLRGDL QVLA | Sus scrofa |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.014 | t | 48669 | PNLRGDL QVLA | Cavia porcellu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.056 | 0.04 | 0.05 | t | 109274 | GVDGLDLP LEQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.024 | -0.013 | -0.01 | t | 35488 | LEGKPALV PDKEVLYQ QYDE | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.018 | -0.03 | -0.02 | t | 72542 | WHKLPGH PRTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.018 | -0.03 | -0.02 | t | 72542 | WHKLPGH PRTV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.008 | -0.027 | -0.02 | t | 52345 | QSIRSTTRL HITLSL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.022 | -0.033 | -0.02 | t | 7435 | CYRGVTLA GHRC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.024 | 0 | 0.005 | t | 9515 | DNNKTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.026 | -0.02 | -0.027 | -0.013 | t | 131297 | FSLRLMEE NWNAEKR SPTF | Callithrix pygmae a |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.058 | -0.077 | -0.078 | t | 61792 | STNPKPQR KTKRNTNR RPQD | Homo sapiens |
| 1 | 1.00 | 1 | 0 | -0.01 | -0.01 | 0.017 | -0.013 | 0.011 | t | 101991 | QATWYT W | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.026 | -0.014 | -0.029 | -0.02 | t | 111162 | CNTRLHNC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.025 | -0.06 | -0.06 | t | 32684 | KPDYEPPV VHGCPLPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.014 | 0.001 | 0.01 | t | 10200 | DSPDADLI EANLLWR QEMG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.009 | -0.02 | -0.01 | t | 7092 | CSTKAIGR TILKENIKY EVA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.007 | t | 56138 | RTNHSGN SVPDK | Mus musculus |
| 1 | 1.00 | 1 | 0 | -0.02 | -0.02 | 0.007 | -0.023 | 0.001 | t | 101497 | ATMWWE W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.004 | -0.022 | -0.01 | t | 111447 | KESPTNHK TRLW | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | -0.002 | 0 | 0.012 | t | 119672 | WNPADYG GIKKIRLPS DD | Rattus norvegicus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.009 | -0.01 | -0.008 | t | 94552 | IEDNWYT HYLVCNYG PGGND | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.03 | 0.007 | 0.01 | t | 108348 | EQAQSQT LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.005 | 0.03 | 0.007 | 0.01 | t | 108348 | EQAQSQT LP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.046 | -0.028 | -0.049 | -0.044 | t | 39977 | LTITQLLKR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.002 | -0.03 | -0.028 | t | 77968 | PPPYAPNP GPPPPYTGA | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.002 | -0.02 | -0.01 | t | 104293 | SYPNTWP | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.021 | 0 | 0.01 | t | 40887 | LYNVVY | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.003 | -0.007 | 0 | t | 54072 | RHNTIRQ QRRKNHHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.039 | -0.021 | -0.034 | -0.028 | t | 78241 | PIQIGA | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.03 | t | 2978 | ALVNWHG VYNYR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.013 | -0.02 | -0.01 | t | 47856 | PHVRGS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.02 | 0.007 | 0.02 | t | 5284 | AVAYPVSA YVPAWVS | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.008 | -0.017 | -0.007 | t | 115284 | HPYPGHH LSSH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0 | -0.007 | 0.011 | t | 114746 | ASQKRPSQ RSKYLATA STMD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.013 | 0 | t | 2978 | ALVNWHG VYNYR | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.02 | -0.02 | -0.01 | t | 79283 | LCKTEART RAAPCA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.003 | -0.004 | 0.002 | t | 106628 | LSSREPQAR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | 0.002 | t | 5592 | AVVAVPSY IPTWIG | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.013 | -0.021 | -0.011 | t | 131200 | DHSSADLI NPVA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.027 | -0.024 | -0.03 | -0.02 | t | 74100 | YHACPPW VGIHRCEL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.019 | -0.021 | -0.021 | t | 8644 | DIFTNSRG KRASKG | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|--------------------------|-----------------------|
| 1 | 1.00 | 1 | 1 | -0.04 | -0.041 | -0.04 | -0.043 | -0.03 | t | 78291 | VHRNPWHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | 0.002 | -0.014 | -0.021 | -0.008 | t | 141577 | WKMRKSFHKVPG | Rattus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.012 | -0.02 | -0.018 | t | 78006 | SIPYLSAADYAYTASDV AET | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | 0.005 | -0.029 | -0.028 | t | 7672 | DAVSSPAQPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.015 | 0.009 | -0.019 | -0.017 | t | 11800 | EENISLDLI QQYYLTFFD | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.021 | 0.009 | -0.019 | -0.017 | t | 11800 | EENISLDLI QQYYLTFFD | Equus caballus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.006 | -0.02 | -0.008 | t | 79645 | SLGMHPL | Oryctolagus cuniculus |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.007 | -0.007 | 0.01 | t | 132718 | VLAVHRGREFGF | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.037 | -0.013 | -0.04 | -0.03 | t | 78558 | VSIFPPA | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.023 | -0.018 | t | 135494 | RGGLGLVNGRSLRH | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.002 | 0 | 0.014 | t | 47131 | PDKILTYIADHC | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.018 | -0.01 | -0.008 | t | 11374 | EDKSVTEEIAEEDKSVT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.029 | 0.01 | 0.02 | t | 122426 | KAYTVPSGPYVEPRL | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.007 | -0.007 | 0.002 | t | 102158 | TSTWLQW | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.014 | -0.003 | -0.011 | 0 | t | 2193 | AKGHSLPR LVTS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0 | -0.002 | 0.027 | 0.003 | 0.009 | t | 59784 | SMYGSYN | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.028 | 0.037 | 0.023 | 0.039 | t | 121701 | PDSPQRV AEAEAVSF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | -0.011 | -0.02 | -0.008 | t | 79211 | FCPGVGRY PVRQCY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.013 | -0.008 | t | 104153 | NMPQQN R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | -0.035 | -0.039 | -0.03 | t | 17553 | FQWSWYT PPRPS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.004 | 0.02 | t | 6232 | CFKGVRLD GTPC | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.035 | -0.041 | -0.03 | t | 2976 | ALVNNST MPLW | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0.007 | -0.011 | 0 | t | 79165 | CCTMPNC TLVLCE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.05 | -0.049 | -0.041 | t | 153266 | IVTARARH DWNWVQ RSSRSL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.017 | 0.002 | -0.02 | -0.008 | t | 104174 | PIDQLLY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.023 | -0.037 | -0.028 | t | 102167 | TVTWWHF | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.029 | -0.02 | t | 133604 | HSLSMYFD WVPH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.08 | -0.078 | -0.075 | -0.077 | -0.07 | t | 66790 | TTQRIINRR RRRRSR | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | -0.007 | -0.003 | 0.012 | t | 78341 | AALTAENT AIKKRNAD AKA | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|-----------------------------|
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.022 | 0 | 0.01 | t | 104356 | YGSHSNI | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.013 | -0.023 | -0.01 | t | 78064 | VPLSPTME FMRK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.042 | -0.038 | -0.041 | -0.031 | t | 131879 | FLVAHTRA RAPSAGER ARRS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.036 | -0.04 | -0.026 | t | 62286 | SVPNP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.019 | -0.006 | -0.029 | -0.022 | t | 136676 | TGDDVRA VYWHL | Dicentra rchus labrax |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0.015 | t | 28299 | IRGDTFAT R | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0 | 0.001 | 0.014 | t | 133660 | NSTWHD WNSWTH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | 0 | t | 153450 | QSFKDHL PAGMRGG GS | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | 0 | t | 133709 | SWTPDKW LRPSG | Mus musculu s |
| 1 | 1.00 | 1 | 0 | 0 | -0.002 | 0.027 | -0.003 | 0.021 | t | 102086 | SSAFYPK | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | -0.005 | -0.01 | 0 | t | 52265 | QRSECSTS KCFVRK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | -0.018 | -0.029 | -0.02 | t | 133601 | HPMYPTW YSWQP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.039 | 0.052 | 0.041 | 0.05 | t | 42246 | MNVTLSS LDGP | Bos taurus |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | -0.001 | -0.009 | 0.004 | t | 133696 | SINLNYS PSLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.043 | -0.051 | -0.039 | t | 122400 | HSAHRGP TYDPRVLH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0.01 | t | 127723 | LHSDARD | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0 | -0.003 | -0.003 | 0 | 0.012 | t | 122153 | NASGLSRP SPSAH | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | 0.002 | t | 53306 | RCQFSVW SWESLRCE FPY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.023 | 0.01 | 0.02 | t | 796 | ADWADW LDYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.01 | 0.022 | t | 127762 | PGPSTTS | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.032 | 0.021 | 0.03 | t | 133723 | TTTSPYND RQLL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0 | -0.01 | 0 | t | 132950 | YSVPPWG SNVMY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.053 | -0.045 | -0.05 | -0.04 | t | 134129 | LCPPGMV RHENRCV ALER | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.021 | 0.025 | 0.01 | 0.019 | t | 8130 | DEQDYQIR | Gallus gallus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.004 | -0.047 | -0.049 | t | 78101 | AKINAS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.024 | 0 | 0.006 | t | 9515 | DNNKTAT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.029 | 0.01 | 0.019 | t | 122417 | ITREPEPRL RFSQNL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.017 | -0.001 | t | 108143 | SQLPYNPL LKPR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0.01 | t | 153423 | MPKDMPL YANPNGG GS | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|---------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.047 | 0.027 | 0.03 | t | 107815 | EIDGYNN QFKKSPLP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | 0.008 | -0.03 | -0.03 | t | 32879 | KPSKPKTN MKHMAG AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.034 | 0.008 | -0.03 | -0.03 | t | 32879 | KPSKPKTN MKHMAG AA | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.024 | 0.032 | 0.023 | 0.032 | t | 132883 | PRSENGV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.012 | 0.015 | 0.011 | 0.022 | t | 97368 | GTTYIRAIA ALEGLK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.004 | 0.022 | 0.007 | 0.012 | t | 104155 | NPEDCFKT GCNSPT | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.008 | -0.009 | 0.002 | t | 111207 | DPASLFH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.023 | -0.03 | -0.018 | t | 139521 | HSSPTLS | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | -0.009 | -0.027 | -0.011 | t | 106730 | QHFTKNP ALLMA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.047 | -0.009 | -0.05 | -0.05 | t | 32657 | KPAPKPTP PKPAPKPA P | Mus musculu s |
| 1 | 1.00 | 1 | 0 | -0.02 | -0.02 | 0.007 | -0.023 | 0.001 | t | 101991 | QATWYT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0.006 | -0.009 | 0 | t | 111506 | LPLGQHQP NPSG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.01 | t | 133589 | GMLPPQL FDRHH | Mus musculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.011 | -0.02 | -0.01 | t | 133589 | GMLPPQL FDRHH | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.045 | -0.05 | -0.039 | t | 112139 | GQFRVIGP RHPIRALV GDEV | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.014 | 0.026 | 0.011 | 0.021 | t | 111972 | YSHADTM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.048 | -0.028 | -0.053 | -0.048 | t | 94429 | AICKRIPNK KPG | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.036 | -0.02 | -0.031 | -0.018 | t | 99469 | MLGMDD PRMRR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.008 | -0.019 | -0.01 | t | 133602 | HSIYSEWQ PMWP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.029 | -0.059 | -0.058 | t | 7671 | DAVSRKK MDTKPTD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.012 | 0 | 0.011 | t | 4225 | ARQPYGFF LETEEVYQ PG | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.017 | 0.003 | 0.022 | t | 127670 | GNVALSSR VNA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | -0.003 | -0.013 | 0 | t | 77853 | DMQYRSP TGLST | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.022 | 0 | 0.003 | t | 40729 | LYDAAKAY AEQLKEN GVINY | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.038 | -0.06 | -0.05 | t | 103975 | HRDLLRF | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | -0.015 | -0.02 | -0.008 | t | 120404 | AMMIARF KMFPEVKE K | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.023 | 0.013 | -0.02 | -0.02 | t | 110124 | YGGFLRKY PK | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.017 | -0.02 | -0.018 | t | 63837 | TGGLVSLF NPGPSQD | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.062 | -0.02 | -0.061 | -0.061 | t | 43470 | NDKLYRM EYWKTIKK DVW | Aotus sp. |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.006 | 0.012 | -0.013 | 0 | t | 104364 | YNKSFFP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | -0.002 | -0.02 | -0.008 | t | 15856 | FFNIAY | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.052 | 0 | -0.001 | t | 10908 | DYKDDDD K | Sus scrofa |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.012 | 0 | -0.013 | 0 | t | 25126 | HWGNHSH SHPQR | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.023 | -0.008 | t | 104047 | LNKTFYY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.022 | 0.048 | 0.016 | 0.021 | t | 1368 | AFNRASD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | 0 | -0.047 | -0.04 | t | 124028 | DPTQPPR H | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.044 | 0 | -0.047 | -0.04 | t | 124028 | DPTQPPR H | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 0 | -0.06 | -0.06 | -0.033 | -0.063 | -0.039 | t | 101991 | QATWYT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0 | 0.052 | 0 | -0.001 | t | 10908 | DYKDDDD K | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.043 | -0.057 | -0.04 | t | 122548 | RAFDVVG AGLDHRLT | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.01 | 0.001 | 0.012 | t | 78248 | PQSNLAKT | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|----------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.015 | 0.01 | 0.022 | t | 56679 | RYVSAESN GFGW | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.022 | 0.003 | 0.01 | t | 78272 | STLSKS | Equus caballus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.026 | 0.055 | 0.033 | 0.04 | t | 59688 | SMITDLL | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 0 | -0.01 | -0.01 | 0.017 | -0.006 | 0.011 | t | 101722 | HTQPYAYE ARDH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.011 | -0.047 | -0.048 | t | 114853 | HICKGFQC FKKPRTTP PK | Rattus norvegic us |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.008 | 0.023 | 0.009 | 0.02 | t | 796 | ADWADW LDYP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.04 | -0.04 | -0.033 | -0.04 | -0.03 | t | 132421 | LANKHEV GIIVR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.06 | -0.053 | -0.06 | -0.05 | t | 62288 | SVPPPHTR SASG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.04 | 0.056 | 0.04 | 0.051 | t | 109274 | GVDGLDLP LEQL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.034 | 0.048 | 0.031 | 0.042 | t | 111718 | RFNPDQA PSWPP | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.021 | -0.06 | -0.06 | t | 150877 | PSVYVRQE LTPDQR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | -0.001 | -0.01 | 0.002 | t | 79210 | FCLPTREST GRACP | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.02 | 0.027 | 0.02 | 0.032 | t | 132740 | WQKAAQ NGGQVL | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.058 | -0.005 | -0.053 | -0.06 | t | 135453 | CNAEVYV VPWEKK | Homo sapiens |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.08 | -0.08 | -0.043 | -0.08 | -0.078 | t | 80041 | SVAMKPY EVTPT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.07 | -0.066 | -0.055 | -0.073 | -0.06 | t | 78552 | VERLGDYLI DQGL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.11 | -0.112 | -0.098 | -0.107 | -0.097 | t | 115501 | SWPHHHR MPLLA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | -0.001 | -0.023 | -0.01 | t | 5559 | AVTFSGK | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.002 | -0.023 | -0.01 | t | 104363 | YNKSFFM | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.045 | -0.021 | -0.043 | -0.04 | t | 108660 | TLTFTLNKL R | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.057 | -0.038 | -0.06 | -0.048 | t | 104193 | PWYAPFR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.03 | 0.046 | 0.03 | 0.04 | t | 79415 | TCTSDILPT PHPCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.023 | -0.03 | -0.019 | t | 133494 | ADNPIKW DRART | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.029 | 0.002 | -0.029 | -0.03 | t | 74580 | YLCHARAI DTTCIWPE PCFD | Myodes glareolu s |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.012 | 0.001 | 0.01 | t | 133721 | TSKNTSWF DWQA | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.01 | 0.022 | 0.016 | 0.022 | t | 54072 | RHNTIRQ QRRKNHH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.007 | 0.003 | -0.01 | 0 | t | 73447 | YASPSLFG FPFALEA | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.028 | 0.005 | -0.029 | -0.028 | t | 7672 | DAVSSPA QPD | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.06 | -0.063 | -0.029 | -0.06 | -0.058 | t | 7671 | DAVSRKK MDTKPTD | Oryctola gus cuniculu s |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|-------------------------|------------------------------|
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.002 | -0.01 | 0 | t | 122490 | MTPNDRR IHRYPERL | Mus musculus |
| 1 | 1.00 | 1 | 0 | -0.06 | -0.06 | -0.033 | -0.063 | -0.039 | t | 101823 | KTLWWQ W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.05 | -0.016 | -0.05 | -0.048 | t | 14551 | ETSWGQQ ST | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0 | 0.003 | 0.022 | 0 | 0.01 | t | 103874 | EEHSRPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.028 | -0.03 | -0.018 | t | 9600 | DPARDCV HNICIFAG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.01 | 0.013 | 0.036 | 0.01 | 0.021 | t | 59960 | SNYNPQ | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.022 | 0.019 | -0.021 | -0.02 | t | 8644 | DIFTNSRG KRASKG | Mus musculus |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.042 | 0.031 | 0.04 | t | 133558 | EKVTSTWT DWQY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.016 | 0.006 | -0.019 | -0.01 | t | 52747 | QVMPYVQ | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.002 | -0.017 | -0.008 | t | 65501 | TPALNSLP YVFLFSY | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.019 | -0.03 | -0.02 | t | 99736 | TTLNSFMR SFPP | Oryctola gus cuniculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | 0.008 | -0.03 | -0.029 | t | 32878 | KPSKPKTN MKHMAG A | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.032 | -0.023 | -0.033 | -0.02 | t | 77844 | CLAAPTGL KLAP | Mus musculus |
| 1 | 1.00 | 1 | 1 | -0.05 | -0.052 | -0.03 | -0.051 | -0.04 | t | 16636 | FLHAPHSP RVWL | Mus musculus |

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|---|------|---|---|-------|--------|--------|--------|--------|---|--------|------------------------------|----------------------------------|
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.03 | -0.03 | -0.02 | t | 79471 | YCRTNQS GAFARCT | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | -0.005 | -0.03 | -0.028 | t | 49421 | PSLIGLAM GDAGGYK AADMW | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.014 | -0.03 | -0.02 | t | 111691 | QTIGNAKP LGRV | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0 | 0.002 | 0.007 | 0.001 | 0.011 | t | 133660 | NSTWHD WNSWTH | Homo sapiens |
| 1 | 1.00 | 1 | 1 | 0.04 | 0.038 | 0.047 | 0.037 | 0.05 | t | 109864 | RSDDTDER SESG | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.008 | 0 | -0.009 | 0.002 | t | 78251 | PTNNLDHL | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.018 | -0.01 | -0.019 | -0.008 | t | 78247 | PQNAFDH L | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.03 | -0.015 | -0.027 | -0.018 | t | 50742 | QFCGWGE FEVRVLW P | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.02 | -0.02 | 0.012 | -0.02 | -0.018 | t | 77969 | PQIKVYAN IAPTNVHV AGEF | Mus musculu s |
| 1 | 1.00 | 1 | 0 | -0.04 | -0.04 | -0.013 | -0.043 | -0.019 | t | 101991 | QATWYT W | Homo sapiens |
| 1 | 1.00 | 1 | 1 | -0.01 | -0.01 | 0.004 | -0.01 | 0 | t | 133633 | LSNTANP WSWDR | Mus musculu s |
| 1 | 1.00 | 1 | 1 | -0.03 | -0.033 | 0.012 | -0.03 | -0.028 | t | 78423 | INFLRMDD FARHFNR | Oryctola gus cuniculu s |
| 1 | 1.00 | 1 | 1 | 0.02 | 0.018 | 0.027 | 0.017 | 0.03 | t | 109855 | RQTEVDS GRDLE | Mus musculu s |
| 1 | 1.00 | 1 | 1 | 0.03 | 0.032 | 0.043 | 0.033 | 0.042 | t | 65776 | TPSTEQFD SFYDPLR | Homo sapiens |

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|---|------|---|---|------|-------|-------|------|------|---|-------|
| 1 | 1.00 | 1 | 1 | 0.03 | 0.033 | 0.047 | 0.03 | 0.04 | t | 68711 |
|---|------|---|---|------|-------|-------|------|------|---|-------|