

Table S1. Differentially methylated RNA sites for: *S. aureus_vs_Con*
Fold change cut-off: 2
P-value cut-off: 0.00001

| GeneName | txStart | txEnd | Chrom | Peak_length | log2(FoldChange) | lg(P-value) | Regulation |
|--------------|-----------|-----------|----------------|-------------|------------------|--------------|------------|
| POLA2 | 43504012 | 43504240 | 29 | 228 | 2.544720654 | -5.04412566 | hyper |
| RYBP | 29277201 | 29277420 | 22 | 219 | 3.584962501 | -5.213292467 | hyper |
| FOXD1 | 8183421 | 8183800 | 20 | 379 | 5.935459748 | -5.034591042 | hyper |
| KDM3A | 48394594 | 48394800 | 11 | 206 | 1.270224874 | -7.348507483 | hyper |
| TCTE1 | 17783681 | 17783900 | 23 | 219 | 5.754887502 | -5.473179528 | hyper |
| PNPLA8 | 49588601 | 49588820 | 4 | 219 | 3.86507042 | -5.067130576 | hyper |
| LOC788175 | 12133081 | 12133480 | 3 | 399 | 5.744161096 | -5.216175115 | hyper |
| ALK | 70660375 | 70661760 | 11 | 1385 | 2.94428644 | -5.096748648 | hyper |
| LZTS1 | 67371075 | 67371555 | 8 | 480 | 1.212695224 | -6.494254234 | hyper |
| ERO1A | 11498514 | 11498840 | 10 | 326 | 2.752990467 | -5.134181229 | hyper |
| ADM | 42378001 | 42378320 | 15 | 319 | 5.935459748 | -5.028754579 | hyper |
| LOC785244 | 36701 | 36920 | NW_020191779.1 | 219 | 2.830941742 | -5.286446323 | hyper |
| LIX1L | 21440946 | 21441280 | 3 | 334 | 2.125745553 | -5.009581431 | hyper |
| GVQW3 | 55823141 | 55823460 | 15 | 319 | 5.916476644 | -5.147675438 | hyper |
| COPS7B | 119526921 | 119527280 | 2 | 359 | 2.438039325 | -5.045388592 | hyper |
| IL31RA | 23279841 | 23280180 | 20 | 339 | 5.935459748 | -5.028754579 | hyper |
| DEGS2 | 65093861 | 65094254 | 21 | 393 | 2.569132272 | -5.034065933 | hyper |
| LOC112443853 | 6727101 | 6727460 | 23 | 359 | 2.919304766 | -5.501066292 | hyper |
| KLHL6 | 83597549 | 83597780 | 1 | 231 | 5.897240426 | -5.859800787 | hyper |
| LOC112447503 | 9744081 | 9744336 | 7 | 255 | 5.935459748 | -5.028754579 | hyper |
| SPECC1 | 33638477 | 33638721 | 19 | 244 | 1.03332342 | -5.857030656 | hyper |
| LOC781152 | 37821 | 38119 | NW_020191248.1 | 298 | 3.136372442 | -5.100143325 | hyper |
| LURAP1 | 99869481 | 99869780 | 3 | 299 | 5.532940288 | -5.233182794 | hyper |
| RBAK | 38548941 | 38549280 | 25 | 339 | 5.916476644 | -5.147675438 | hyper |
| CHRM1 | 41232881 | 41233187 | 29 | 306 | 5.935459748 | -5.034591042 | hyper |
| EFNB2 | 82288801 | 82289093 | 12 | 292 | 2.59285041 | -5.094507393 | hyper |
| LOC513659 | 53888061 | 53888440 | 3 | 379 | 5.744161096 | -5.216175115 | hyper |
| CPT1A | 46169281 | 46169520 | 29 | 239 | 4.778973121 | -5.117135022 | hyper |
| CFAP69 | 74502810 | 74503100 | 4 | 290 | 4.413157766 | -5.23418826 | hyper |
| LOC786870 | 47817404 | 47817635 | 15 | 231 | 3.070389328 | -5.001968767 | hyper |
| FOSB | 53076964 | 53077285 | 18 | 321 | 5.095829659 | -5.377628932 | hyper |
| ALDH1B1 | 62434981 | 62435340 | 8 | 359 | 5.744161096 | -5.501700188 | hyper |
| CASTOR1 | 69305133 | 69305374 | 17 | 241 | 2.52501996 | -5.152415599 | hyper |
| LOC104968438 | 23103181 | 23103386 | 8 | 205 | 5.935459748 | -5.028754579 | hyper |
| RHEBL1 | 30752381 | 30752760 | 5 | 379 | 5.741466986 | -5.504099672 | hyper |
| LOC112445067 | 37915341 | 37915640 | 30 | 299 | 4.6794801 | -5.588430167 | hyper |
| LOC101903205 | 29789521 | 29789900 | 8 | 379 | 5.916476644 | -5.147675438 | hyper |
| CAMKK2 | 53888921 | 53889149 | 17 | 228 | 2.494232725 | -5.202553729 | hyper |
| TMEM138 | 39868421 | 39868800 | 29 | 379 | 3.483517237 | -5.181509011 | hyper |
| DHX34 | 54342722 | 54343000 | 18 | 278 | 4.653442239 | -5.106502485 | hyper |
| F2RL2 | 7854380 | 7854604 | 10 | 224 | 2.101235295 | -5.007865992 | hyper |
| LOC785723 | 27768801 | 27769020 | 10 | 219 | 5.741466986 | -5.504099672 | hyper |
| BASP1 | 55908759 | 55909060 | 20 | 301 | 2.066342495 | -5.13493048 | hyper |
| RBFOX3 | 52892528 | 52893000 | 19 | 472 | 2.573674429 | -5.27609034 | hyper |
| SERPINE1 | 35605621 | 35605860 | 25 | 239 | 4.653442239 | -5.215978191 | hyper |
| RAB3IP | 43712841 | 43713120 | 5 | 279 | 3.562242424 | -5.0106999 | hyper |
| LOC112443853 | 6752921 | 6753260 | 23 | 339 | 5.916476644 | -5.147675438 | hyper |
| PDGFRA | 69770501 | 69770720 | 6 | 219 | 4.128104826 | -5.128618679 | hyper |
| LOC104968434 | 92832861 | 92833200 | 4 | 339 | 3.672425342 | -5.173430332 | hyper |
| MUC3A | 35725301 | 35725600 | 25 | 299 | 5.935459748 | -5.034591042 | hyper |

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|--------------|-----------|-----------|----------------|------|-------------|--------------|-------|
| ZNF34 | 308121 | 308480 | 14 | 359 | 3.03433204 | -5.193128073 | hyper |
| LOC789121 | 105600877 | 105601200 | 4 | 323 | 5.935459748 | -5.028754579 | hyper |
| IGFN1 | 79731341 | 79731560 | 16 | 219 | 5.5360529 | -5.236841646 | hyper |
| RAB2B | 25693006 | 25693300 | 10 | 294 | 1.744236121 | -5.008348045 | hyper |
| BEAN1 | 34232281 | 34232760 | 18 | 479 | 2.18663346 | -5.069465297 | hyper |
| STARD9 | 37997641 | 37998080 | 10 | 439 | 3.39714734 | -5.047630368 | hyper |
| ZBED2 | 56343341 | 56343580 | 1 | 239 | 3.672425342 | -5.164714721 | hyper |
| FGF14 | 78131961 | 78132180 | 12 | 219 | 5.935459748 | -5.028754579 | hyper |
| LOC112441491 | 64657057 | 64657280 | 18 | 223 | 6.106432078 | -5.232980408 | hyper |
| IL-15L | 49130621 | 49130860 | 18 | 239 | 5.532940288 | -5.233182794 | hyper |
| ZEB2 | 52263120 | 52263380 | 2 | 260 | 5.741466986 | -5.218511649 | hyper |
| CSRNP1 | 12488421 | 12488900 | 22 | 479 | 2.103537604 | -5.060196798 | hyper |
| MGC134232 | 124050801 | 124051180 | 30 | 379 | 5.722466024 | -5.515091496 | hyper |
| C18H19orf81 | 56747061 | 56748820 | 18 | 1759 | 1.093787147 | -6.590297725 | hyper |
| PIGM | 9647521 | 9647791 | 3 | 270 | 1.259790831 | -5.075133557 | hyper |
| FAM177B | 26239581 | 26239925 | 16 | 344 | 2.72357943 | -5.045165217 | hyper |
| LOC112446614 | 59005076 | 59005300 | 5 | 224 | 5.752213368 | -5.47416502 | hyper |
| ISCA2 | 85785621 | 85785880 | 10 | 259 | 4.018859027 | -5.290767635 | hyper |
| LOC112443209 | 716321 | 716560 | 21 | 239 | 3.925999419 | -5.13448304 | hyper |
| PALB2 | 21292261 | 21292540 | 25 | 279 | 5.5360529 | -5.236841646 | hyper |
| SH2B2 | 34700155 | 34700425 | 25 | 270 | 1.344495852 | -5.006395764 | hyper |
| CSRNP1 | 12489961 | 12490240 | 22 | 279 | 5.495055528 | -5.169805904 | hyper |
| PDE6C | 14912461 | 14912820 | 26 | 359 | 5.754887502 | -5.473179528 | hyper |
| PANK1 | 11302181 | 11302737 | 26 | 556 | 1.217190283 | -5.063678996 | hyper |
| CFLAR | 89725961 | 89726258 | 2 | 297 | 2.883071976 | -5.164338945 | hyper |
| LOC786254 | 106067361 | 106067740 | 4 | 379 | 3.584962501 | -5.014604719 | hyper |
| INTS1 | 41444829 | 41445084 | 25 | 255 | 1.068479738 | -5.429283368 | hyper |
| TTC23 | 7417841 | 7418180 | 21 | 339 | 3.565979397 | -5.197093036 | hyper |
| ELAVL4 | 96071528 | 96071820 | 3 | 292 | 5.916476644 | -5.147675438 | hyper |
| LOC788535 | 59529681 | 59529920 | 5 | 239 | 3.594361199 | -5.165101554 | hyper |
| MAP1B | 9405421 | 9405642 | 20 | 221 | 3.461133914 | -5.307482581 | hyper |
| PSORS1C2 | 28007101 | 28007618 | 23 | 517 | 2.108040629 | -5.096674371 | hyper |
| KHDRBS3 | 6543508 | 6543760 | 14 | 252 | 3.702798991 | -5.174177158 | hyper |
| DUSP27 | 1607521 | 1607860 | 3 | 339 | 2.456189606 | -5.191290024 | hyper |
| ANGPTL6 | 14658021 | 14658322 | 7 | 301 | 5.935459748 | -5.028754579 | hyper |
| NOL9 | 46834190 | 46834400 | 16 | 210 | 2.819427754 | -5.144205124 | hyper |
| LOC100847679 | 14961 | 15240 | NW_020190791.1 | 279 | 5.935459748 | -5.028754579 | hyper |
| IFI16 | 10746901 | 10747260 | 3 | 359 | 3.633217669 | -5.191608248 | hyper |
| COL11A1 | 40529801 | 40530080 | 3 | 279 | 5.935459748 | -5.028754579 | hyper |
| LOC532479 | 78251901 | 78252260 | 15 | 359 | 5.5360529 | -5.236841646 | hyper |
| CLPTM1L | 71117510 | 71117880 | 20 | 370 | 2.341766842 | -5.386201766 | hyper |
| HAO2 | 23733641 | 23733960 | 3 | 319 | 2.936005146 | -5.537707785 | hyper |
| IGFBP5 | 104679441 | 104679740 | 2 | 299 | 4.102238194 | -5.25895877 | hyper |
| LOC506121 | 77916561 | 77916898 | 15 | 337 | 3.672425342 | -5.164714721 | hyper |
| F5 | 37185681 | 37186060 | 16 | 379 | 5.935459748 | -5.028754579 | hyper |
| LOC112442402 | 47705461 | 47705900 | 18 | 439 | 4.109121722 | -5.205686668 | hyper |
| FHAD1 | 52086473 | 52086760 | 16 | 287 | 5.935459748 | -5.028754579 | hyper |
| MCOLN2 | 59173601 | 59173980 | 3 | 379 | 5.741466986 | -5.218511649 | hyper |
| CRCT1 | 18184161 | 18184773 | 3 | 612 | 5.741386727 | -5.977107255 | hyper |
| CDH4 | 55180735 | 55180969 | 13 | 234 | 4.295575576 | -6.069287097 | hyper |
| USP26 | 16901441 | 16901740 | 30 | 299 | 3.892923108 | -6.121177228 | hyper |
| NEFH | 68691661 | 68692040 | 17 | 379 | 3.171666335 | -5.197966222 | hyper |
| NQO2 | 50632041 | 50632639 | 23 | 598 | 1.001658842 | -5.374273218 | hyper |
| NAV3 | 7681281 | 7681780 | 5 | 499 | 1.378511623 | -5.4720769 | hyper |
| LOC101902555 | 516281 | 516660 | NW_020190994.1 | 379 | 4.028951374 | -5.215387871 | hyper |
| CDC6 | 40535001 | 40535309 | 19 | 308 | 3.192400034 | -5.123191925 | hyper |

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|--------------|-----------|-----------|----|------|--------------|--------------|-------|
| PHYHIPL | 14882021 | 14882440 | 28 | 419 | 4.128104826 | -5.135067485 | hyper |
| IL1RL2 | 7057361 | 7057700 | 11 | 339 | 3.502500341 | -5.139343023 | hyper |
| PDCD1 | 120838721 | 120839000 | 3 | 279 | 2.788685711 | -5.142370799 | hyper |
| LOC781261 | 74730061 | 74730340 | 8 | 279 | 5.942514505 | -5.692696738 | hyper |
| ADPRHL1 | 86660787 | 86661020 | 12 | 233 | 5.935459748 | -5.028754579 | hyper |
| GAB2 | 17794541 | 17795150 | 29 | 609 | 1.522340458 | -5.671550211 | hyper |
| ENTPD7 | 20656021 | 20656320 | 26 | 299 | 2.077494521 | -5.202627903 | hyper |
| LOC100299268 | 51613621 | 51613940 | 18 | 319 | 5.942514505 | -5.416192589 | hyper |
| TMEM110 | 48000341 | 48000556 | 22 | 215 | 2.802516365 | -5.204364925 | hyper |
| LIPH | 81681395 | 81681680 | 1 | 285 | 4.263034406 | -5.421792954 | hyper |
| FAM46A | 21497816 | 21498260 | 9 | 444 | 1.61693489 | -5.28323943 | hyper |
| SLC35F3 | 7136854 | 7137074 | 28 | 220 | 5.916476644 | -5.147675438 | hyper |
| MOB3B | 16926751 | 16926954 | 8 | 203 | 1.324091867 | -5.118184718 | hyper |
| ZNF394 | 36908941 | 36909440 | 25 | 499 | 2.6604527 | -5.061602111 | hyper |
| RFX3 | 40970201 | 40970580 | 8 | 379 | 3.469969978 | -5.08660388 | hyper |
| LOC788263 | 47313301 | 47313661 | 15 | 360 | 2.870670408 | -5.514970469 | hyper |
| HNRNPF | 13809861 | 13810260 | 28 | 399 | 1.925809102 | -5.031569184 | hyper |
| HEATR4 | 84967915 | 84968140 | 10 | 225 | 5.916476644 | -5.147675438 | hyper |
| LOC107131258 | 26328701 | 26329060 | 23 | 359 | 2.71596199 | -5.220441675 | hyper |
| LOC100337392 | 45914561 | 45914940 | 15 | 379 | 5.916476644 | -5.147675438 | hyper |
| FNIP2 | 40197537 | 40197780 | 17 | 243 | 3.05087233 | -5.267041868 | hyper |
| PPM1K | 36449276 | 36449740 | 6 | 464 | 3.969083923 | -5.040595636 | hyper |
| PLA2G15 | 35624572 | 35624811 | 18 | 239 | 4.109121722 | -5.228736878 | hyper |
| NR4A3 | 64872306 | 64872841 | 8 | 535 | 3.279116515 | -5.19345951 | hyper |
| POLR3H | 112629153 | 112629520 | 5 | 367 | 1.795887094 | -5.069656414 | hyper |
| CMYA5 | 10726601 | 10727040 | 10 | 439 | 4.128104826 | -5.135067485 | hyper |
| ATP1B4 | 4934692 | 4934900 | 30 | 208 | 5.722466024 | -5.513673098 | hyper |
| ENAM | 86003461 | 86003840 | 6 | 379 | 4.191426071 | -5.15121647 | hyper |
| PRDM1 | 43864287 | 43864536 | 9 | 249 | 3.12657754 | -5.535305193 | hyper |
| GOLGA3 | 44466921 | 44467240 | 17 | 319 | -1.428167544 | -7.052437896 | hypo |
| CHD8 | 25769821 | 25770783 | 10 | 962 | -1.026150492 | -5.059181906 | hypo |
| PCDHGA2 | 52455181 | 52456287 | 7 | 1106 | -2.099600958 | -5.367335648 | hypo |
| LOC100848991 | 58759742 | 58760200 | 18 | 458 | -1.213171555 | -5.160352094 | hypo |
| CGNL1 | 52767161 | 52767840 | 10 | 679 | -3.339736552 | -5.05280164 | hypo |
| DCBLD1 | 33250961 | 33251806 | 9 | 845 | -1.380468828 | -5.034649657 | hypo |
| WNT5A | 45553086 | 45553379 | 22 | 293 | -1.354391281 | -6.646034128 | hypo |
| SH3RF2 | 57275082 | 57275414 | 7 | 332 | -1.332755165 | -5.681022392 | hypo |
| RHOBTB2 | 70315581 | 70315890 | 8 | 309 | -2.250643824 | -7.117718765 | hypo |
| BTBD3 | 5466181 | 5466741 | 13 | 560 | -1.260218408 | -6.386586942 | hypo |
| PCDHGA2 | 52493284 | 52493980 | 7 | 696 | -1.318161712 | -5.92819293 | hypo |
| LOC101904667 | 17434328 | 17435346 | 8 | 1018 | -2.203394075 | -6.798892233 | hypo |
| LYL1 | 12478141 | 12479660 | 7 | 1519 | -1.887943682 | -7.1203412 | hypo |
| LRFN3 | 46636505 | 46637139 | 18 | 634 | -2.777961137 | -6.719192676 | hypo |
| ZNF362 | 120410441 | 120411849 | 2 | 1408 | -3.871843649 | -7.08910195 | hypo |
| ZNF629 | 26899701 | 26901020 | 25 | 1319 | -1.858995552 | -5.687979885 | hypo |
| EPC1 | 33214573 | 33214926 | 13 | 353 | -2.514144336 | -5.671512031 | hypo |
| SAV1 | 43552321 | 43552580 | 10 | 259 | -1.100038537 | -5.699531015 | hypo |
| FAM212A | 50430254 | 50431096 | 22 | 842 | -1.302309175 | -6.108207632 | hypo |
| POP7 | 35885040 | 35885723 | 25 | 683 | -1.164622012 | -6.684983613 | hypo |
| GABPB1 | 59966045 | 59966460 | 10 | 415 | -2.091593592 | -6.020930243 | hypo |
| GTF3C6 | 39366981 | 39367381 | 9 | 400 | -4.15204082 | -7.697804155 | hypo |
| ZNF48 | 26577034 | 26579060 | 25 | 2026 | -1.833480807 | -6.214084157 | hypo |
| NISCH | 48370593 | 48371826 | 22 | 1233 | -1.422427077 | -5.180905404 | hypo |
| BIVM | 79039769 | 79040367 | 12 | 598 | -1.529576443 | -5.057020321 | hypo |
| PCLO | 37653075 | 37654120 | 4 | 1045 | -1.825993558 | -5.070945039 | hypo |
| H2AFY | 46804741 | 46805760 | 7 | 1019 | -1.645415018 | -5.374931777 | hypo |
| RNF14 | 53044387 | 53044915 | 7 | 528 | -1.134453287 | -6.4678026 | hypo |
| LOC787554 | 57752401 | 57753180 | 18 | 779 | -1.667958145 | -6.806414711 | hypo |

| | | | | | | | |
|--------------|-----------|-----------|--------------------|------|--------------|--------------|------|
| C10H14orf93 | 21857877 | 21858614 | 10 | 737 | -2.143512326 | -5.408202389 | hypo |
| PC | 44866414 | 44866636 | 29 | 222 | -1.800769025 | -6.270578832 | hypo |
| GTF2IRD2 | 32749181 | 32750280 | 25 | 1099 | -1.515474106 | -5.087698179 | hypo |
| ATP8B3 | 44124706 | 44125254 | 7 | 548 | -2.682410395 | -5.661512382 | hypo |
| CYP2U1 | 17263221 | 17264295 | 6 | 1074 | -2.307828345 | -5.765273086 | hypo |
| SMIM33 | 50735821 | 50736420 | 7 | 599 | -3.605324662 | -7.055516653 | hypo |
| MZF1 | 65786621 | 65788180 | 18 | 1559 | -1.360734428 | -5.819533944 | hypo |
| PCYOX1L | 60766578 | 60767400 | 7 | 822 | -2.25228114 | -5.448005724 | hypo |
| NGRN | 21640616 | 21641460 | 21 | 844 | -1.22255051 | -6.667680594 | hypo |
| SWT1 | 66185812 | 66186460 | 16 | 648 | -1.819588274 | -5.54308801 | hypo |
| LOC616254 | 48249684 | 48250188 | 19 | 504 | -4.054397088 | -7.438602677 | hypo |
| LINS1 | 6056021 | 6056280 | 21 | 259 | -3.038860256 | -5.823987114 | hypo |
| PCDHGC3 | 52565850 | 52566460 | 7 | 610 | -3.029226139 | -6.027129117 | hypo |
| ADNP | 78822001 | 78822520 | 13 | 519 | -1.542377819 | -6.034301802 | hypo |
| ZNF672 | 42627633 | 42629560 | 7 | 1927 | -1.748518503 | -6.177944938 | hypo |
| ST3GAL5 | 49034215 | 49034620 | 11 | 405 | -2.069974164 | -6.651852378 | hypo |
| TMEM200A | 68537650 | 68537860 | 9 | 210 | -2.157834825 | -7.298937858 | hypo |
| NLGN1 | 93148881 | 93149587 | 1 | 706 | -1.647874784 | -6.516927057 | hypo |
| USP40 | 113174905 | 113175760 | 3 | 855 | -1.544089482 | -6.607146469 | hypo |
| SMTNL2 | 25103813 | 25104056 | 19 | 243 | -1.475535839 | -6.624599993 | hypo |
| FBXL4 | 50878775 | 50879088 | 9 | 313 | -3.060959915 | -5.109666995 | hypo |
| FSD2 | 23059108 | 23059814 | 21 | 706 | -3.289577895 | -7.646816498 | hypo |
| HOXB3 | 37938677 | 37939274 | 19 | 597 | -4.427506851 | -7.836555557 | hypo |
| IFIH1 | 34111841 | 34112180 | 2 | 339 | -4.712646963 | -5.009390924 | hypo |
| ANKRD17 | 88215901 | 88216197 | 6 | 296 | -1.320931261 | -6.507368823 | hypo |
| TIA1 | 68516241 | 68516980 | 11 | 739 | -2.047433562 | -6.550154044 | hypo |
| CCDC88A | 38037220 | 38037498 | 11 | 278 | -1.167758125 | -6.270020713 | hypo |
| LOC112441465 | 54447 | 55400 | NW_020 192290.1 | 953 | -1.261867379 | -6.182214791 | hypo |
| NIPBL | 37165621 | 37166180 | 20 | 559 | -1.556474086 | -5.632707752 | hypo |
| ANKRD27 | 43093681 | 43094120 | 18 | 439 | -1.252581598 | -6.410283318 | hypo |
| YIPF5 | 55260101 | 55260517 | 7 | 416 | -1.677333303 | -5.015936657 | hypo |
| SMAD1 | 12760634 | 12760892 | 17 | 258 | -1.585302222 | -5.309838636 | hypo |
| RHOBTB2 | 70304749 | 70305774 | 8 | 1025 | -1.809423092 | -6.50029059 | hypo |
| ADAMTS6 | 14332221 | 14332760 | 20 | 539 | -2.360621138 | -7.201696429 | hypo |
| PCDHGA2 | 52449101 | 52450343 | 7 | 1242 | -1.582862677 | -7.072860133 | hypo |
| UBR4 | 133588917 | 133589505 | 2 | 588 | -1.123031472 | -6.401641519 | hypo |
| LOC404051 | 50772853 | 50774989 | 23 | 2136 | -2.511708188 | -5.776257746 | hypo |
| NUDT2 | 75734821 | 75735276 | 8 | 455 | -1.888169619 | -5.949399496 | hypo |
| LOC616254 | 48204341 | 48205197 | 19 | 856 | -3.25836759 | -5.327798546 | hypo |
| MLH3 | 86296841 | 86297360 | 10 | 519 | -3.614805746 | -6.252162715 | hypo |
| LOC100848264 | 112836 | 113700 | 27 | 864 | -1.181266063 | -5.302347816 | hypo |
| IL17RD | 44001021 | 44001886 | 22 | 865 | -1.248511298 | -6.970855083 | hypo |
| FAM120B | 104016321 | 104016960 | 9 | 639 | -3.36390529 | -5.154164329 | hypo |
| ZBTB37 | 55249761 | 55251040 | 16 | 1279 | -1.82853365 | -6.354841724 | hypo |
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| RIMS2 | 60789672 | 60789900 | 14 | 228 | -1.953858218 | -5.409897945 | hypo |
| STARD13 | 28011073 | 28011520 | 12 | 447 | -1.30901598 | -5.234173487 | hypo |
| FAM19A3 | 30599241 | 30600136 | 3 | 895 | -2.9274875 | -5.904511153 | hypo |
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| KRT15 | 41725881 | 41726453 | 19 | 572 | -2.705039849 | -5.207425552 | hypo |
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| SHISAL1 | 114933821 | 114935060 | 5 | 1239 | -1.164445072 | -5.445480745 | hypo |

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| PCDHGA2 | 52479981 | 52482060 | 7 | 2079 | -1.93301445 | -5.395248203 | hypo |
| KDM3B | 49779083 | 49779285 | 7 | 202 | -1.824888272 | -5.49624498 | hypo |
| SMARCA2 | 42399285 | 42399503 | 8 | 218 | -1.302623034 | -5.399332863 | hypo |
| RNF7 | 127215261 | 127215750 | 1 | 489 | -1.517909138 | -5.354213983 | hypo |
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| BMPR1B | 29374521 | 29374880 | 6 | 359 | -2.389233422 | -7.414887212 | hypo |
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| BICDL1 | 62470829 | 62472165 | 17 | 1336 | -1.144658243 | -5.223882579 | hypo |
| ZNF33B | 12828181 | 12829180 | 28 | 999 | -2.469043213 | -7.199865989 | hypo |
| APEX2 | 92482821 | 92483780 | 30 | 959 | -1.441029936 | -6.457768521 | hypo |
| GOLGB1 | 66176846 | 66178740 | 1 | 1894 | -1.000705741 | -5.14743787 | hypo |
| NXPE3 | 46164521 | 46165340 | 1 | 819 | -2.203737755 | -5.656229483 | hypo |
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| TSC22D1 | 14800261 | 14802120 | 12 | 1859 | -1.080892927 | -5.644349975 | hypo |
| ADAT1 | 2890621 | 2891883 | 18 | 1262 | -1.286117234 | -7.016209136 | hypo |
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| FAM131B | 106739321 | 106739540 | 4 | 219 | -2.654691591 | -5.085817249 | hypo |
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| FZR1 | 20384761 | 20385890 | 7 | 1129 | -1.121036138 | -6.078906374 | hypo |
| IFNT3 | 22583081 | 22583460 | 8 | 379 | -2.441328347 | -5.1111399 | hypo |
| LOC509034 | 86905421 | 86907360 | 10 | 1939 | -1.515033582 | -5.386221595 | hypo |
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| KRT6A | 27384761 | 27384980 | 5 | 219 | -1.106955341 | -6.296008734 | hypo |
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| FOXN1 | 20001368 | 20001860 | 19 | 492 | -2.949545285 | -7.233336368 | hypo |
| CASP4 | 3269041 | 3269300 | 15 | 259 | -2.01729901 | -5.185842361 | hypo |
| DGKA | 57353449 | 57353900 | 5 | 451 | -1.42036604 | -5.020905835 | hypo |
| ABO | 104177521 | 104178340 | 11 | 819 | -3.218190476 | -5.694329081 | hypo |
| ZNF699 | 14193801 | 14194300 | 7 | 499 | -2.248486546 | -5.853561225 | hypo |
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| THRAP3 | 109553441 | 109554026 | 3 | 585 | -1.003147861 | -5.150185847 | hypo |
| GAA | 52482890 | 52483760 | 19 | 870 | -1.997164235 | -5.440597546 | hypo |
| RHOV | 36410981 | 36411525 | 10 | 544 | -1.989277121 | -5.048089186 | hypo |
| LOC101903385 | 65803501 | 65805430 | 18 | 1929 | -2.196545882 | -7.430367747 | hypo |
| ELAC1 | 50486701 | 50487340 | 24 | 639 | -2.398993799 | -7.386320401 | hypo |

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| GALNT10 | 65702401 | 65702920 | 7 | 519 | -1.089255099 | -6.133759389 | hypo |
| ZC3H10 | 57199161 | 57200875 | 5 | 1714 | -1.274650315 | -5.199089467 | hypo |
| GID8 | 54464732 | 54465541 | 13 | 809 | -1.125193764 | -6.233820765 | hypo |
| TCF12 | 53025341 | 53025721 | 10 | 380 | -1.535523015 | -7.265106008 | hypo |
| ZDHHC14 | 94301451 | 94302160 | 9 | 709 | -2.534468069 | -6.719638326 | hypo |
| PCLO | 37655141 | 37656820 | 4 | 1679 | -1.547132284 | -5.101059486 | hypo |
| ZSCAN29 | 55118024 | 55118600 | 21 | 576 | -1.715192024 | -5.217767243 | hypo |
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| TDRD7 | 62707814 | 62708317 | 8 | 503 | -1.151500845 | -5.043484899 | hypo |
| ZNF189 | 91130381 | 91131040 | 8 | 659 | -1.906056133 | -5.514357038 | hypo |
| TBCEL | 31710835 | 31711100 | 15 | 265 | -2.489948045 | -5.711957559 | hypo |
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| FAM114A1 | 58099794 | 58100150 | 6 | 356 | -1.230343674 | -5.441185501 | hypo |
| MOCS3 | 78872161 | 78873020 | 13 | 859 | -1.511722013 | -5.119237862 | hypo |
| TOR3A | 60450181 | 60450680 | 16 | 499 | -2.244706829 | -5.174331133 | hypo |
| VEZF1 | 8784801 | 8785348 | 19 | 547 | -1.307672563 | -5.123181949 | hypo |
| LOC616254 | 48203421 | 48204000 | 19 | 579 | -3.175212833 | -6.889027149 | hypo |
| SPATS2 | 30456719 | 30457061 | 5 | 342 | -1.723681371 | -7.2808377 | hypo |
| GLT8D1 | 48168886 | 48169414 | 22 | 528 | -1.654499165 | -5.288556541 | hypo |
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| ITGB8 | 29115099 | 29115480 | 4 | 381 | -2.45869378 | -5.379913015 | hypo |
| MAGED2 | 92288221 | 92288463 | 30 | 242 | -2.260255575 | -5.862662728 | hypo |
| HEATR6 | 14133061 | 14133687 | 19 | 626 | -1.05468491 | -5.796318592 | hypo |
| GLYCTK | 48590041 | 48590941 | 22 | 900 | -2.604926431 | -7.469063703 | hypo |
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| TTYH3 | 40748396 | 40749520 | 25 | 1124 | -1.032097115 | -5.516949627 | hypo |
| MYO5A | 57992607 | 57992847 | 10 | 240 | -1.600131485 | -5.328051866 | hypo |
| FLYWCH1 | 2352981 | 2353440 | 25 | 459 | -1.442996475 | -5.46462142 | hypo |
| PIK3IP1 | 70094941 | 70095260 | 17 | 319 | -2.679316427 | -5.215943314 | hypo |
| NACAD | 76545121 | 76546580 | 4 | 1459 | -8.388017285 | -7.657039282 | hypo |
| VEZF1 | 8782602 | 8782804 | 19 | 202 | -1.281582416 | -6.195305404 | hypo |
| DNAJC28 | 2028921 | 2030540 | 1 | 1619 | -2.238182198 | -5.660356825 | hypo |
| CNOT2 | 43134290 | 43134660 | 5 | 370 | -1.343313847 | -7.451538773 | hypo |
| KIAA1143 | 16500741 | 16501083 | 22 | 342 | -1.634638128 | -6.104043324 | hypo |
| NCOA6 | 64072081 | 64073099 | 13 | 1018 | -1.064396439 | -6.930290042 | hypo |
| NMT2 | 29682321 | 29683456 | 13 | 1135 | -1.13650959 | -6.380375197 | hypo |
| CHD2 | 14043961 | 14044440 | 21 | 479 | -1.893445619 | -6.965201771 | hypo |
| ZNF469 | 13703501 | 13709920 | 18 | 6419 | -3.395047487 | -5.679064909 | hypo |
| PLEKHD1 | 81276041 | 81276880 | 10 | 839 | -2.48570332 | -6.996910047 | hypo |
| PDGFC | 42479081 | 42479520 | 17 | 439 | -2.29730181 | -5.807939364 | hypo |
| MBLAC1 | 36331801 | 36333031 | 25 | 1230 | -1.277567524 | -7.03530189 | hypo |
| LOC112449367 | 11212141 | 11213008 | 13 | 867 | -1.272938749 | -5.416279256 | hypo |
| ZDHHC8 | 73013461 | 73014360 | 17 | 899 | -1.130789444 | -6.057774551 | hypo |
| IRF1 | 21944841 | 21945380 | 7 | 539 | -3.006619701 | -5.375662387 | hypo |
| SHLD2 | 41727641 | 41728780 | 28 | 1139 | -2.082149041 | -5.465850806 | hypo |
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| FOXP2 | 53770721 | 53771260 | 4 | 539 | -2.102199819 | -5.671056831 | hypo |
| YAF2 | 38537721 | 38538380 | 5 | 659 | -2.081912483 | -6.603034482 | hypo |
| EDNRA | 10597821 | 10598376 | 17 | 555 | -2.409534409 | -5.064704319 | hypo |
| CEBPA | 43728247 | 43729478 | 18 | 1231 | -1.53906088 | -6.296649272 | hypo |
| KLHDC10 | 93922335 | 93922780 | 4 | 445 | -1.140285964 | -5.139756799 | hypo |
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| HSPBAP1 | 67064461 | 67065078 | 1 | 617 | -1.568160487 | -7.239822832 | hypo |
| IMMP1L | 62219261 | 62220020 | 15 | 759 | -1.370915269 | -5.702178909 | hypo |
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| CELSR1 | 116796323 | 116799460 | 5 | 3137 | -1.201447265 | -6.236037257 | hypo |
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| PCDHGA2 | 52485101 | 52486547 | 7 | 1446 | -1.568049118 | -5.480614465 | hypo |
| SLC24A1 | 12546362 | 12547292 | 10 | 930 | -3.130687363 | -5.248095227 | hypo |
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| HS3ST3A1 | 31738491 | 31739113 | 19 | 622 | -2.165059246 | -6.676566257 | hypo |
| CBFA2T2 | 63098081 | 63098880 | 13 | 799 | -2.18031227 | -5.632250761 | hypo |
| THAP2 | 1306958 | 1307460 | 5 | 502 | -2.589132252 | -6.803085675 | hypo |
| ZSCAN20 | 112321921 | 112323488 | 3 | 1567 | -1.835351451 | -5.337532751 | hypo |
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| MMP1 | 5820681 | 5820952 | 15 | 271 | -2.332310113 | -7.30646241 | hypo |
| TNRC18 | 38909643 | 38911383 | 25 | 1740 | -1.166719991 | -6.250459085 | hypo |
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| THAP8 | 46703161 | 46703637 | 18 | 476 | -2.297430562 | -7.794981691 | hypo |
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| SAMD9 | 10451101 | 10451857 | 4 | 756 | -1.633401832 | -6.859380752 | hypo |
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| FAT2 | 62774561 | 62775341 | 7 | 780 | -3.077485471 | -5.492806294 | hypo |
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| FAM20C | 42135203 | 42136026 | 25 | 823 | -2.052929886 | -5.536752322 | hypo |
| VWC2 | 5990776 | 5991340 | 4 | 564 | -4.267823683 | -7.859661945 | hypo |
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| PATZ1 | 70142261 | 70143759 | 17 | 1498 | -3.100417051 | -5.116339635 | hypo |
| BMP7 | 58889621 | 58890520 | 13 | 899 | -1.68856408 | -6.552109955 | hypo |
| ZNF518A | 17503981 | 17506000 | 26 | 2019 | -1.188250992 | -5.706414836 | hypo |
| JADE2 | 46100346 | 46100811 | 7 | 465 | -1.532631548 | -6.574760846 | hypo |
| PHF20 | 65011906 | 65012291 | 13 | 385 | -1.065103992 | -6.331167496 | hypo |
| SETMAR | 22017101 | 22018264 | 22 | 1163 | -3.395798804 | -7.625623899 | hypo |
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| SETD1B | 53492651 | 53493890 | 17 | 1239 | -1.398408551 | -5.207410366 | hypo |
| PHLDB1 | 29310061 | 29310613 | 15 | 552 | -1.088433447 | -5.211328793 | hypo |
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| C2H2orf88 | 6103941 | 6104600 | 2 | 659 | -2.845406968 | -5.989847885 | hypo |
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| FAT2 | 62772073 | 62773080 | 7 | 1007 | -2.637102662 | -5.110919848 | hypo |
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| ZNF362 | 120425925 | 120426150 | 2 | 225 | -3.141958145 | -7.259351341 | hypo |
| PCDHGA2 | 52425021 | 52426520 | 7 | 1499 | -2.979997655 | -6.026349224 | hypo |
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| ZSCAN29 | 55121154 | 55121590 | 21 | 436 | -1.348060453 | -7.139571417 | hypo |
| NUPR1 | 26082045 | 26082342 | 25 | 297 | -1.830591289 | -6.982465061 | hypo |
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| TBCEL | 31648678 | 31649180 | 15 | 502 | -2.6143917 | -6.597941998 | hypo |
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| SMTNL2 | 25112573 | 25113046 | 19 | 473 | -1.287417495 | -7.011416004 | hypo |
| LOC508131 | 59603261 | 59604600 | 18 | 1339 | -1.620796963 | -7.295700934 | hypo |
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| ZFP30 | 47616401 | 47617640 | 18 | 1239 | -2.545722605 | -6.239388813 | hypo |
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| EXOC3L2 | 52898341 | 52898847 | 18 | 506 | -7.920055055 | -7.124749031 | hypo |
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| GALNT7 | 5591750 | 5591959 | 8 | 209 | -1.13770433 | -5.999903247 | hypo |
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| SLC43A2 | 22691001 | 22692199 | 19 | 1198 | -3.833432718 | -5.80960987 | hypo |
| LOC509034 | 86904341 | 86904660 | 10 | 319 | -1.313584636 | -5.158189335 | hypo |
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| LPAR6 | 18204041 | 18204700 | 12 | 659 | -1.830777331 | -6.8503753 | hypo |
| TANC1 | 37134921 | 37136403 | 2 | 1482 | -1.161088871 | -6.019737795 | hypo |
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| FLRT2 | 97153541 | 97154204 | 10 | 663 | -1.640831801 | -6.889101357 | hypo |
| MYH15 | 53144341 | 53144640 | 1 | 299 | -2.544212465 | -6.978188233 | hypo |
| CDKN2B | 22086721 | 22087035 | 8 | 314 | -1.364103616 | -5.350643139 | hypo |
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| ANGPT4 | 60234003 | 60234780 | 13 | 777 | -8.613973587 | -7.877567048 | hypo |
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| GLYR1 | 3883921 | 3884767 | 25 | 846 | -1.21570401 | -6.077511528 | hypo |
| TUBB4A | 17987161 | 17987960 | 7 | 799 | -1.24038767 | -6.292669107 | hypo |
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| TIMP1 | 85943284 | 85943558 | 30 | 274 | -1.287346031 | -5.479796662 | hypo |
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| SIK3 | 27527545 | 27527885 | 15 | 340 | -1.651107503 | -6.601218114 | hypo |
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| KEAP1 | 15009367 | 15010129 | 7 | 762 | -1.06517616 | -6.912102256 | hypo |
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| NCOA5 | 74798993 | 74799337 | 13 | 344 | -2.151764217 | -6.72672207 | hypo |
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| JADE2 | 46115941 | 46116600 | 7 | 659 | -3.154650312 | -5.850589502 | hypo |
| PCDHGA2 | 52442486 | 52443060 | 7 | 574 | -2.904688728 | -6.713229367 | hypo |
| MGC139164 | 60856341 | 60856760 | 18 | 419 | -2.679261526 | -6.273788248 | hypo |
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| ZNF830 | 15119021 | 15120467 | 19 | 1446 | -1.433368429 | -6.431107031 | hypo |
| TMEM191C | 72207601 | 72208529 | 17 | 928 | -1.202111857 | -5.166994162 | hypo |
| INHBB | 72112661 | 72113180 | 2 | 519 | -1.553572082 | -5.409485546 | hypo |
| DLG3 | 79948621 | 79949270 | 30 | 649 | -1.883723542 | -5.891726187 | hypo |
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| LOC100336476 | 119472902 | 119474789 | 3 | 1887 | -1.854636555 | -5.145205449 | hypo |
| AP2M1 | 82970226 | 82970700 | 1 | 474 | -1.023084696 | -5.916195328 | hypo |
| TUBA4A | 107200121 | 107200480 | 2 | 359 | -1.315975223 | -6.684450943 | hypo |
| TNRC18 | 38923070 | 38923500 | 25 | 430 | -1.266778147 | -6.78866265 | hypo |
| TMEM200A | 68454681 | 68455065 | 9 | 384 | -2.402591926 | -5.460671654 | hypo |
| KRT13 | 41709890 | 41710111 | 19 | 221 | -4.155231931 | -5.414431619 | hypo |
| PCDHGA2 | 52475421 | 52477308 | 7 | 1887 | -2.422778031 | -5.407114581 | hypo |
| LRIF1 | 32422621 | 32422992 | 3 | 371 | -1.79531659 | -6.983175085 | hypo |
| CHAMP1 | 87093771 | 87094760 | 12 | 989 | -1.413052 | -6.328587726 | hypo |
| GPRIN2 | 41806021 | 41806760 | 28 | 739 | -2.598602177 | -5.382240411 | hypo |
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| PHTF1 | 29706942 | 29707440 | 3 | 498 | -3.187214911 | -7.137985004 | hypo |
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| TRAF1 | 110293205 | 110294512 | 8 | 1307 | -1.817793374 | -5.802746311 | hypo |
| PCDHGC3 | 52566741 | 52567720 | 7 | 979 | -7.965207091 | -6.958643647 | hypo |
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| DHX34 | 54344441 | 54345193 | 18 | 752 | -1.116312686 | -7.532409377 | hypo |
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| SEMA4G | 21820741 | 21821593 | 26 | 852 | -1.323220125 | -5.009570563 | hypo |
| TRIM21 | 50647717 | 50648540 | 15 | 823 | -1.246467651 | -7.565639482 | hypo |
| GLCE | 16131996 | 16132242 | 10 | 246 | -1.775243957 | -5.921737609 | hypo |
| NFE2L3 | 69781993 | 69782640 | 4 | 647 | -2.797915226 | -5.057419325 | hypo |
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| PTPN9 | 33375361 | 33375780 | 21 | 419 | -2.634775467 | -6.242799973 | hypo |
| ADAMTS6 | 14330174 | 14330620 | 20 | 446 | -1.5325465 | -5.054936536 | hypo |
| CLDN1 | 76988870 | 76989200 | 1 | 330 | -1.390998824 | -7.003869027 | hypo |
| MUC1 | 15428467 | 15429801 | 3 | 1334 | -2.655186216 | -5.352974387 | hypo |
| SMAD1 | 12741781 | 12742156 | 17 | 375 | -1.436372717 | -6.832917269 | hypo |
| RIN1 | 44383561 | 44384582 | 29 | 1021 | -1.432959407 | -7.083676092 | hypo |
| UVSSA | 117094321 | 117094780 | 6 | 459 | -1.122105588 | -5.294532087 | hypo |
| IDUA | 117373047 | 117374376 | 6 | 1329 | -1.934736069 | -6.684037536 | hypo |
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| PCDH1 | 52948775 | 52949638 | 7 | 863 | -1.177985047 | -6.281373935 | hypo |
| CRBN | 23146499 | 23147060 | 22 | 561 | -1.559709958 | -5.591665022 | hypo |
| SH3PXD2A | 24166221 | 24166800 | 26 | 579 | -1.694586992 | -5.769384705 | hypo |
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| ASTE1 | 138840061 | 138841064 | 1 | 1003 | -1.287415803 | -6.31929049 | hypo |
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| YPEL1 | 72080615 | 72080980 | 17 | 365 | -3.479142045 | -6.060052857 | hypo |
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| NAT1 | 39014461 | 39015140 | 27 | 679 | -3.273164805 | -5.942142347 | hypo |
| PDE4B | 78958721 | 78959471 | 3 | 750 | -1.704206145 | -6.850013239 | hypo |
| TMEM203 | 106223225 | 106224140 | 11 | 915 | -1.220738803 | -5.857285863 | hypo |
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| TNRC18 | 38944607 | 38944850 | 25 | 243 | -1.013385563 | -6.706896692 | hypo |
| KMT2E | 46268266 | 46268531 | 4 | 265 | -1.245480708 | -6.931166998 | hypo |
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| C10H14orf93 | 21849321 | 21850363 | 10 | 1042 | -1.656517875 | -5.289669241 | hypo |
| C23H6orf47 | 27641181 | 27641451 | 23 | 270 | -2.608571128 | -5.41183942 | hypo |
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| FOXP2 | 53771701 | 53772116 | 4 | 415 | -2.119424929 | -5.088390083 | hypo |
| ROBO1 | 26493566 | 26493893 | 1 | 327 | -2.072586047 | -5.597613001 | hypo |
| SLC25A29 | 65203741 | 65205094 | 21 | 1353 | -1.566469981 | -6.922222006 | hypo |
| CYP1B1 | 20471181 | 20471796 | 11 | 615 | -3.550293116 | -5.882735166 | hypo |
| TMEM79 | 14513891 | 14514620 | 3 | 729 | -1.604962715 | -6.418374982 | hypo |
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| SHROOM4 | 88412141 | 88412480 | 30 | 339 | -1.689093653 | -7.100232804 | hypo |
| GOLGA3 | 44454979 | 44455243 | 17 | 264 | -1.636391302 | -6.593275748 | hypo |
| EBAG9 | 54843681 | 54844133 | 14 | 452 | -1.226397947 | -5.123624426 | hypo |
| C4H7orf25 | 78145941 | 78146860 | 4 | 919 | -2.939291119 | -5.341568435 | hypo |
| CHST14 | 36077443 | 36078860 | 10 | 1417 | -1.630420676 | -6.606280203 | hypo |
| CLIP2 | 33056241 | 33057965 | 25 | 1724 | -1.411821683 | -6.276996209 | hypo |
| ADAL | 55115708 | 55116360 | 21 | 652 | -2.364147682 | -5.492116711 | hypo |
| ZBTB37 | 55240319 | 55241279 | 16 | 960 | -1.716761323 | -6.146847502 | hypo |
| GTPBP6 | 88349645 | 88350500 | 1 | 855 | -1.765397641 | -6.005846484 | hypo |
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| B4GALNT3 | 107426799 | 107427604 | 5 | 805 | -2.51470301 | -5.642525922 | hypo |
| ESCO1 | 34643761 | 34644180 | 24 | 419 | -1.008217162 | -5.61081655 | hypo |
| ZMIZ1 | 34943381 | 34944480 | 28 | 1099 | -1.109646666 | -5.881933277 | hypo |
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| ZBTB4 | 27134361 | 27136351 | 19 | 1990 | -1.344386806 | -6.039639081 | hypo |
| FAM198B | 40796022 | 40797166 | 17 | 1144 | -8.433376793 | -8.013907277 | hypo |
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| AKT3 | 33633372 | 33633720 | 16 | 348 | -1.037754067 | -6.425189091 | hypo |
| RALGAPA1 | 45883181 | 45883560 | 21 | 379 | -2.242124486 | -6.05411965 | hypo |
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| GGTA1 | 92318021 | 92318723 | 11 | 702 | -1.61484417 | -6.632742346 | hypo |
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| SIK3 | 27513321 | 27513760 | 15 | 439 | -2.036558545 | -6.282958397 | hypo |
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| SIPA1L1 | 83203921 | 83204419 | 10 | 498 | -1.459806296 | -6.603947491 | hypo |
| FAM83E | 55258041 | 55258520 | 18 | 479 | -2.219104474 | -7.699361294 | hypo |
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| SRRM3 | 34334483 | 34334699 | 25 | 216 | -4.416848429 | -7.685253748 | hypo |
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| SLC2A4RG | 54030865 | 54031282 | 13 | 417 | -1.323238835 | -6.71844099 | hypo |
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| ADGRF4 | 20759361 | 20759820 | 23 | 459 | -2.68817574 | -7.19016824 | hypo |
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| NDE1 | 14127981 | 14128660 | 25 | 679 | -3.176308618 | -5.663435339 | hypo |
| ZNF329 | 65518956 | 65520500 | 18 | 1544 | -1.314559785 | -5.760795727 | hypo |
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| HOMER3 | 4283881 | 4284203 | 7 | 322 | -1.588767305 | -5.153935728 | hypo |
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| ADAMTS6 | 14330961 | 14331260 | 20 | 299 | -2.746369005 | -5.582769332 | hypo |
| ARMC10 | 44425621 | 44425940 | 4 | 319 | -2.48247498 | -5.628945801 | hypo |
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| GTF3C2 | 72320621 | 72321460 | 11 | 839 | -1.888060127 | -6.929991617 | hypo |
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| LHFPL4 | 17088303 | 17088792 | 22 | 489 | -1.301083165 | -5.025924741 | hypo |
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| PCDHGA8 | 52474726 | 52475140 | 7 | 414 | -4.554023791 | -7.763595123 | hypo |
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| LIPT1 | 4312941 | 4313980 | 11 | 1039 | -2.795962329 | -6.007042869 | hypo |
| ADAMTS14 | 26920556 | 26921580 | 28 | 1024 | -1.287016142 | -5.328122287 | hypo |
| NFIX | 12547513 | 12548045 | 7 | 532 | -1.475796017 | -6.693403959 | hypo |
| MTRF1L | 127239161 | 127239777 | 2 | 616 | -1.512630635 | -7.010627573 | hypo |
| ACSS2 | 64232901 | 64233260 | 13 | 359 | -2.249529618 | -5.3884391 | hypo |
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| DAP3 | 15050241 | 15050920 | 3 | 679 | -2.066758763 | -5.880185829 | hypo |
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| TTC3 | 149402332 | 149402700 | 1 | 368 | -1.254712866 | -7.094712238 | hypo |
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| PCDHGA2 | 52438421 | 52438920 | 7 | 499 | -4.516249751 | -5.729243284 | hypo |
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