

| Probe Set ID | FC (97L-Log FC (FC (abs) | Regulatio | 97L-FUBF | 97L-mo | GeneSymbol | Description | IncipediaID | NonCodeID | Chr | start | stop | strand | | |
|-------------------|----------------------------|-----------|----------|--------|------------|-------------|----------------------|------------------|------------------|-----------|-----------|-----------|-----------|---|
| TC0100000152.oe.1 | -2.41 | -1.27 | 2.41 | down | 3.13 | 4.40 | OTTHUMG0 N/A//unchar | Inc-SLC45A1 | NONHSAT0(| chr1 | 8208672 | 8215210 | + | |
| TC0100000238.oe.1 | 2.11 | 1.08 | 2.11 | up | 5.29 | 4.21 | Inc-AADACL | NONCODE c | Inc-AADACL | NONHSAT0(| chr1 | 12497226 | 12506907 | + |
| TC0100000356.oe.1 | 2.37 | 1.24 | 2.37 | up | 4.33 | 3.08 | Inc-NBPF3-1 | gene_id XLO | Inc-NBPF3-1 | NONHSAT0(| chr1 | 21418289 | 21420016 | + |
| TC0100000378.oe.1 | 2.07 | 1.05 | 2.07 | up | 5.14 | 4.09 | Inc-EPHB2-2 | LNCipedia lc | Inc-EPHB2-2 | NONHSAT0(| chr1 | 23080873 | 23083682 | + |
| TC0100000390.oe.1 | 2.18 | 1.13 | 2.18 | up | 7.97 | 6.84 | Inc-PITHD1-1 | LNCipedia lc | Inc-PITHD1-1 | NONHSAT0(| chr1 | 23744034 | 23750944 | + |
| TC0100000392.oe.1 | 2.39 | 1.26 | 2.39 | up | 8.86 | 7.60 | Inc-PITHD1-1 | NONCODE c | Inc-PITHD1-1 | NONHSAT0(| chr1 | 23794092 | 23795081 | + |
| TC0100000412.oe.1 | 3.52 | 1.82 | 3.52 | up | 8.40 | 6.58 | Inc-C1orf13(| NONCODE c | Inc-C1orf13(| NONHSAT0(| chr1 | 24666555 | 24669264 | + |
| TC0100000454.oe.1 | 2.05 | 1.03 | 2.05 | up | 5.27 | 4.24 | Inc-HMGN2 | NONCODE c | Inc-HMGN2 | NONHSAT0(| chr1 | 26551446 | 26554135 | + |
| TC0100000480.oe.1 | -2.16 | -1.11 | 2.16 | down | 3.41 | 4.51 | Inc-GPR3-1/ | NONCODE c | Inc-GPR3-1: | NONHSAT0(| chr1 | 27457198 | 27459582 | + |
| TC0100000635.oe.1 | -2.32 | -1.21 | 2.32 | down | 3.37 | 4.59 | Inc-DNALI1- | NONCODE c | Inc-DNALI1- | NONHSAT0(| chr1 | 37604422 | 37606253 | + |
| TC0100000723.oe.1 | 2.36 | 1.24 | 2.36 | up | 11.36 | 10.12 | Inc-KCNQ4- | NONCODE c | Inc-KCNQ4- | NONHSAT0(| chr1 | 41000813 | 41003176 | + |
| TC0100000738.oe.1 | 2.70 | 1.43 | 2.70 | up | 4.74 | 3.30 | Inc-PPCS-2 | LNCipedia lc | Inc-PPCS-2: --- | chr1 | 42451273 | 42454245 | + | |
| TC0100000757.oe.1 | 2.06 | 1.04 | 2.06 | up | 11.53 | 10.49 | Inc-MPL-1 | NONCODE c | Inc-MPL-1:1 | NONHSAT0(| chr1 | 43361058 | 43363066 | + |
| TC0100000781.oe.1 | 2.04 | 1.03 | 2.04 | up | 5.95 | 4.93 | Inc-DMAP1- | NONCODE c | Inc-DMAP1- | NONHSAT0(| chr1 | 44412698 | 44419872 | + |
| TC0100000893.oe.1 | -2.04 | -1.03 | 2.04 | down | 11.55 | 12.58 | Inc-BTF3L4- | LNCipedia lc | Inc-BTF3L4- | NONHSAT0(| chr1 | 51745597 | 51759546 | + |
| TC0100001095.oe.1 | 2.30 | 1.20 | 2.30 | up | 7.22 | 6.02 | Inc-HHLA3- | NONCODE c | Inc-HHLA3- | NONHSAT0(| chr1 | 70434851 | 70439232 | + |
| TC0100001119.oe.1 | -2.37 | -1.25 | 2.37 | down | 4.28 | 5.52 | Inc-FPGT-T/ | LNCipedia lc | Inc-FPGT-T/ | NONHSAT0(| chr1 | 74198253 | 74249518 | + |
| TC0100001157.oe.1 | -2.32 | -1.21 | 2.32 | down | 6.45 | 7.67 | Inc-IFI44-8 | NONCODE c | Inc-IFI44-8:1 | NONHSAT0(| chr1 | 79696440 | 79700695 | + |
| TC0100001374.oe.1 | 2.81 | 1.49 | 2.81 | up | 4.76 | 3.27 | Inc-AMY2B- | NONCODE c | Inc-AMY2B- | NONHSAT0(| chr1 | 103577387 | 103579534 | + |
| TC0100001406.oe.1 | -2.24 | -1.16 | 2.24 | down | 7.32 | 8.48 | Inc-STXBP3- | NONCODE c | Inc-STXBP3- | NONHSAT0(| chr1 | 108746674 | 108757005 | + |
| TC0100001509.oe.1 | 2.09 | 1.07 | 2.09 | up | 4.16 | 3.10 | Inc-OLFML3 | LNCipedia lc | Inc-OLFML3 --- | chr1 | 114007950 | 114063801 | + | |
| TC0100001609.oe.1 | 3.09 | 1.63 | 3.09 | up | 12.66 | 11.03 | RNVU1-14 | RNA, variant --- | --- | chr1 | 145281116 | 145281462 | + | |
| TC0100001658.oe.1 | 2.15 | 1.11 | 2.15 | up | 5.37 | 4.26 | OTTHUMG0 | NONCODE c | Inc-PDE4DIF | NONHSAT0(| chr1 | 149048576 | 149051394 | + |
| TC0100001705.oe.1 | -2.17 | -1.12 | 2.17 | down | 6.90 | 8.02 | Inc-SETDB1- | LNCipedia lc | Inc-SETDB1- | NONHSAT0(| chr1 | 150982249 | 150984371 | + |
| TC0100001759.oe.1 | -2.01 | -1.00 | 2.01 | down | 4.60 | 5.61 | Inc-LELP1-2 | LNCipedia lc | Inc-LELP1-2 | NONHSAT0(| chr1 | 153140120 | 153150040 | + |
| TC0100001801.oe.1 | 2.08 | 1.06 | 2.08 | up | 9.44 | 8.38 | Inc-FLAD1-2 | LNCipedia lc | Inc-FLAD1-2 | NONHSAT0(| chr1 | 154990213 | 154993111 | + |
| TC0100001942.oe.1 | 2.22 | 1.15 | 2.22 | up | 6.09 | 4.94 | Inc-DDR2-2 | LNCipedia lc | Inc-DDR2-2 | NONHSAT0(| chr1 | 162790721 | 162812526 | + |
| TC0100001984.oe.1 | -2.38 | -1.25 | 2.38 | down | 2.81 | 4.06 | Inc-MAEL-3 | LNCipedia lc | Inc-MAEL-3 | NONHSAT0(| chr1 | 166981536 | 166982083 | + |
| TC0100002062.oe.1 | -2.05 | -1.04 | 2.05 | down | 6.45 | 7.48 | Inc-PRDX6-1 | LNCipedia lc | Inc-PRDX6-1 --- | chr1 | 173261644 | 173261877 | + | |
| TC0100002080.oe.1 | 2.78 | 1.48 | 2.78 | up | 7.26 | 5.78 | Inc-GPR52-2 | LNCipedia lc | Inc-GPR52-2 | NONHSAT0(| chr1 | 174220712 | 174243167 | + |
| TC0100002107.oe.1 | 2.61 | 1.38 | 2.61 | up | 4.62 | 3.24 | Inc-C1orf22(| NONCODE c | Inc-C1orf22(| NONHSAT0(| chr1 | 178569477 | 178570415 | + |
| TC0100002119.oe.1 | 2.06 | 1.04 | 2.06 | up | 9.86 | 8.81 | Inc-SOAT1-- | NONCODE c | Inc-SOAT1-- | NONHSAT0(| chr1 | 179201705 | 179201926 | + |
| TC0100002133.oe.1 | 2.27 | 1.18 | 2.27 | up | 4.03 | 2.85 | Inc-CEP350- | LNCipedia lc | Inc-CEP350- | NONHSAT0(| chr1 | 180131729 | 180134851 | + |
| TC0100002141.oe.1 | -2.43 | -1.28 | 2.43 | down | 4.46 | 5.74 | Inc-KIAA161 | NONCODE c | Inc-KIAA161 | NONHSAT0(| chr1 | 180887572 | 180888448 | + |
| TC0100002178.oe.1 | 2.43 | 1.28 | 2.43 | up | 5.52 | 4.24 | Inc-LAMC2- | LNCipedia lc | Inc-LAMC2- | NONHSAT0(| chr1 | 183138379 | 183141304 | + |
| TC0100002276.oe.1 | -2.48 | -1.31 | 2.48 | down | 8.94 | 10.25 | Inc-CFH-2 | LNCipedia lc | Inc-CFH-2:1 | NONHSAT0(| chr1 | 196676988 | 196747504 | + |
| TC0100002285.oe.1 | -2.68 | -1.42 | 2.68 | down | 7.82 | 9.25 | Inc-CFHR5-1 | LNCipedia lc | Inc-CFHR5-1 | NONHSAT0(| chr1 | 197363817 | 197364078 | + |
| TC0100002288.oe.1 | 2.42 | 1.28 | 2.42 | up | 8.19 | 6.92 | Inc-LHX9-2 | LNCipedia lc | Inc-LHX9-2: | NONHSAT0(| chr1 | 197905517 | 197907364 | + |
| TC0100002396.oe.1 | 2.24 | 1.16 | 2.24 | up | 5.54 | 4.38 | Inc-MDM4-1 | LNCipedia lc | Inc-MDM4-1 | NONHSAT0(| chr1 | 204403390 | 204404742 | + |
| TC0100002431.oe.1 | -2.31 | -1.21 | 2.31 | down | 3.11 | 4.32 | Inc-C1orf18(| LNCipedia lc | Inc-C1orf18(--- | chr1 | 206215584 | 206219787 | + | |
| TC0100002434.oe.1 | 2.76 | 1.47 | 2.76 | up | 5.16 | 3.70 | Inc-IBKE-2 | NONCODE c | Inc-IBKE-2: | NONHSAT0(| chr1 | 206453345 | 206454509 | + |
| TC0100002486.oe.1 | 2.91 | 1.54 | 2.91 | up | 9.19 | 7.65 | Inc-HSD11B | LNCipedia lc | Inc-HSD11B | NONHSAT0(| chr1 | 209675686 | 209675993 | + |
| TC0100002578.oe.1 | -2.30 | -1.20 | 2.30 | down | 4.29 | 5.49 | OTTHUMG0 | LNCipedia lc | Inc-LYPLAL1 --- | chr1 | 219557192 | 219557701 | + | |
| TC0100002593.oe.1 | -2.37 | -1.24 | 2.37 | down | 5.59 | 6.83 | Inc-MARC1- | NONCODE c | Inc-MARC1- | NONHSAT0(| chr1 | 220756278 | 220761764 | + |
| TC0100003108.oe.1 | -2.11 | -1.08 | 2.11 | down | 3.69 | 4.77 | Inc-DFFA-4 | NONCODE c | Inc-DFFA-4: | NONHSAT0(| chr1 | 10637121 | 10638763 | - |
| TC0100003170.oe.1 | -2.37 | -1.25 | 2.37 | down | 3.15 | 4.39 | Inc-ZBTB17- | LNCipedia lc | Inc-ZBTB17- | NONHSAT0(| chr1 | 15917698 | 15917908 | - |
| TC0100003209.oe.1 | 2.20 | 1.14 | 2.20 | up | 10.89 | 9.75 | Inc-KIAA009 | NONCODE c | Inc-KIAA009 | NONHSAT0(| chr1 | 19144852 | 19146128 | - |
| TC0100003280.oe.1 | -2.09 | -1.06 | 2.09 | down | 3.89 | 4.95 | Inc-ASAP3-2 | LNCipedia lc | Inc-ASAP3-2: | NONHSAT0(| chr1 | 23408560 | 23419236 | - |

| | | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|-------------------------|----------------------------|------|-----------|-----------|---|
| TC0100003462.oe.1 | -2.07 | -1.05 | 2.07 | down | 15.04 | 16.09 | Inc-ZMYM6- LNCipedia | lc Inc-ZMYM6- --- | chr1 | 34957213 | 34957413 | - |
| TC0100003515.oe.1 | 2.23 | 1.16 | 2.23 | up | 5.64 | 4.48 | Inc-MTF1-1 LNCipedia | lc Inc-MTF1-1: NONHSAT0(| chr1 | 37809577 | 37813320 | - |
| TC0100003645.oe.1 | 2.04 | 1.03 | 2.04 | up | 7.45 | 6.42 | Inc-PIK3R3- LNCipedia | lc Inc-PIK3R3-: NONHSAT0(| chr1 | 46193383 | 46194651 | - |
| TC0100003802.oe.1 | 2.04 | 1.03 | 2.04 | up | 4.87 | 3.84 | Inc-OMA1- LNCipedia | lc Inc-OMA1-: NONHSAT0(| chr1 | 58228682 | 58229003 | - |
| TC0100003889.oe.1 | -2.03 | -1.02 | 2.03 | down | 6.98 | 8.00 | Inc-RPE65-1 NONCODE | cl Inc-RPE65-1 NONHSAT0(| chr1 | 68475574 | 68482238 | - |
| TC0100003946.oe.1 | 3.19 | 1.67 | 3.19 | up | 5.48 | 3.80 | Inc-FUBP1- LNCipedia | lc Inc-FUBP1-: --- | chr1 | 78004346 | 78004554 | - |
| TC0100004051.oe.1 | -2.30 | -1.20 | 2.30 | down | 3.20 | 4.41 | Inc-BARHL2 LNCipedia | lc Inc-BARHL2 --- | chr1 | 90283497 | 90306059 | - |
| TC0100004134.oe.1 | 2.28 | 1.19 | 2.28 | up | 11.66 | 10.47 | Inc-SASS6- LNCipedia | lc Inc-SASS6-: NONHSAT0(| chr1 | 99710825 | 99715659 | - |
| TC0100004273.oe.1 | 3.36 | 1.75 | 3.36 | up | 8.35 | 6.60 | Inc-BCL2L15 NONCODE | cl Inc-BCL2L15 NONHSAT0(| chr1 | 113878168 | 113887459 | - |
| TC0100004282.oe.1 | 2.06 | 1.04 | 2.06 | up | 3.73 | 2.69 | Inc-BCAS2- LNCipedia | lc Inc-BCAS2-: --- | chr1 | 114558476 | 114558681 | - |
| TC0100004330.oe.1 | 2.08 | 1.06 | 2.08 | up | 8.92 | 7.86 | Inc-WARS2- LNCipedia | lc Inc-WARS2- NONHSAT0(| chr1 | 119219314 | 119220096 | - |
| TC0100004353.oe.1 | -2.68 | -1.42 | 2.68 | down | 14.28 | 15.70 | Inc-FCGR1B gene_id XLO | Inc-FCGR1B NONHSAT0(| chr1 | 121742259 | 121743636 | - |
| TC0100004378.oe.1 | -2.57 | -1.36 | 2.57 | down | 4.48 | 5.84 | Inc-PDZK1- LNCipedia | lc Inc-PDZK1-: NONHSAT0(| chr1 | 145670985 | 145672848 | - |
| TC0100004380.oe.1 | -2.53 | -1.34 | 2.53 | down | 4.12 | 5.46 | Inc-PIAS3-1 LNCipedia | lc Inc-PIAS3-1 --- | chr1 | 145796993 | 145798540 | - |
| TC0100004389.oe.1 | -2.11 | -1.08 | 2.11 | down | 7.16 | 8.24 | Inc-NBPF10 LNCipedia | lc Inc-NBPF10- --- | chr1 | 146224791 | 146225057 | - |
| TC0100004522.oe.1 | -2.10 | -1.07 | 2.10 | down | 3.57 | 4.64 | Inc-C1orf43 LNCipedia | lc Inc-C1orf43- --- | chr1 | 154239837 | 154240157 | - |
| TC0100004569.oe.1 | -2.17 | -1.12 | 2.17 | down | 4.10 | 5.21 | Inc-YY1AP1 LNCipedia | lc Inc-YY1AP1- --- | chr1 | 155498854 | 155503759 | - |
| TC0100004604.oe.1 | 2.20 | 1.14 | 2.20 | up | 8.31 | 7.17 | NONHSAG0 LNCipedia | lc Inc-NES- 1:1 NONHSAT0(| chr1 | 156646507 | 156661424 | - |
| TC0100004633.oe.1 | -3.16 | -1.66 | 3.16 | down | 2.46 | 4.12 | Inc-OR10X1 LNCipedia | lc Inc-OR10X1 --- | chr1 | 158594664 | 158594871 | - |
| TC0100004725.oe.1 | 2.33 | 1.22 | 2.33 | up | 3.81 | 2.59 | RP11-276E1 LNCipedia | lc Inc-FAM78B NONHSAT0(| chr1 | 166475772 | 166490039 | - |
| TC0100004758.oe.1 | 8.10 | 3.02 | 8.10 | up | 7.57 | 4.55 | Inc-SELE-1 LNCipedia | lc Inc-SELE- 1:2 NONHSAT0(| chr1 | 169691681 | 169708456 | - |
| TC0100004800.oe.1 | -2.35 | -1.23 | 2.35 | down | 5.14 | 6.37 | Inc-RC3H1- LNCipedia | lc Inc-RC3H1-: NONHSAT0(| chr1 | 173931214 | 173936175 | - |
| TC0100004818.oe.1 | -2.01 | -1.01 | 2.01 | down | 3.17 | 4.18 | OTTHUMG0 LNCipedia | lc Inc-RFWD2- NONHSAT0(| chr1 | 175538775 | 175556818 | - |
| TC0100004823.oe.1 | 2.07 | 1.05 | 2.07 | up | 11.00 | 9.95 | Inc-TNR-6 NONCODE | cl Inc-TNR- 6:1 NONHSAT0(| chr1 | 175944831 | 176081256 | - |
| TC0100004927.oe.1 | 5.49 | 2.46 | 5.49 | up | 7.06 | 4.60 | Inc-PDC-2 NONCODE | cl Inc-PDC- 2:1 NONHSAT0(| chr1 | 186678270 | 186680423 | - |
| TC0100004954.oe.1 | -2.10 | -1.07 | 2.10 | down | 3.24 | 4.31 | Inc-UCHL5- LNCipedia | lc Inc-UCHL5- --- | chr1 | 191950869 | 191955052 | - |
| TC0100004961.oe.1 | -2.13 | -1.09 | 2.13 | down | 4.45 | 5.54 | Inc-GLRX2-1 LNCipedia | lc Inc-GLRX2-1 --- | chr1 | 193090866 | 193091556 | - |
| TC0100005027.oe.1 | 2.34 | 1.22 | 2.34 | up | 9.56 | 8.34 | Inc-SYT2-2 LNCipedia | lc Inc-SYT2- 2:1 NONHSAT0(| chr1 | 202745877 | 202746595 | - |
| TC0100005072.oe.1 | -2.94 | -1.56 | 2.94 | down | 6.20 | 7.76 | Inc-SLC45A LNCipedia | lc Inc-SLC45A: NONHSAT0(| chr1 | 205607945 | 205609670 | - |
| TC0100005073.oe.1 | -2.06 | -1.04 | 2.06 | down | 7.85 | 8.89 | Inc-SLC45A LNCipedia | lc Inc-SLC45A: NONHSAT0(| chr1 | 205609716 | 205612016 | - |
| TC0100005081.oe.1 | 2.26 | 1.18 | 2.26 | up | 6.15 | 4.97 | Inc-AVPR1B LNCipedia | lc Inc-AVPR1B NONHSAT0(| chr1 | 206012331 | 206014130 | - |
| TC0100005133.oe.1 | -2.35 | -1.23 | 2.35 | down | 3.02 | 4.25 | Inc-C1orf13 LNCipedia | lc Inc-C1orf13- --- | chr1 | 210040660 | 210040860 | - |
| TC0100005214.oe.1 | 3.94 | 1.98 | 3.94 | up | 4.91 | 2.93 | Inc-SLC30A1 NONCODE | cl Inc-SLC30A1 NONHSAT0(| chr1 | 219080975 | 219173961 | - |
| TC0100005254.oe.1 | 2.95 | 1.56 | 2.95 | up | 6.56 | 4.99 | Inc-TAF1A- LNCipedia | lc Inc-TAF1A-2 NONHSAT0(| chr1 | 222538729 | 222540103 | - |
| TC0100005255.oe.1 | 2.01 | 1.01 | 2.01 | up | 8.88 | 7.87 | Inc-HHIPL2- LNCipedia | lc Inc-HHIPL2- NONHSAT0(| chr1 | 222568829 | 222570563 | - |
| TC0100005328.oe.1 | 2.13 | 1.09 | 2.13 | up | 9.25 | 8.15 | Inc-WNT9A- NONCODE | cl Inc-WNT9A- NONHSAT0(| chr1 | 227733619 | 227734371 | - |
| TC0100005439.oe.1 | -2.69 | -1.43 | 2.69 | down | 6.06 | 7.49 | Inc-RBM34- NONCODE | cl Inc-RBM34- NONHSAT0(| chr1 | 235172647 | 235175643 | - |
| TC0100005497.oe.1 | -3.36 | -1.75 | 3.36 | down | 7.11 | 8.85 | Inc-CHML-1 LNCipedia | lc Inc-CHML-1 NONHSAT0(| chr1 | 241628853 | 241631422 | - |
| TC0100005536.oe.1 | -2.04 | -1.03 | 2.04 | down | 5.71 | 6.74 | Inc-HNRNP LNCipedia | lc Inc-HNRNP LNCipedia | chr1 | 244840243 | 244855497 | - |
| TC0100005559.oe.1 | -2.36 | -1.24 | 2.36 | down | 5.35 | 6.59 | Inc-AHCTF1 gene_id XLO | Inc-AHCTF1 NONHSAT0(| chr1 | 246785650 | 246786104 | - |
| TC0100005568.oe.1 | -2.04 | -1.03 | 2.04 | down | 4.80 | 5.83 | NONHSAG0 NONCODE | cl Inc-ZNF124- NONHSAT0(| chr1 | 247187281 | 247188526 | - |
| TC01001053.hg.4 | 2.05 | 1.04 | 2.05 | up | 4.46 | 3.43 | EMBP1 embigin pse | --- --- | chr1 | 121519112 | 121571888 | + |
| TC01001487.hg.4 | 2.11 | 1.08 | 2.11 | up | 4.06 | 2.99 | FMO6P flavin contain | --- --- | chr1 | 171137740 | 171161568 | + |
| TC01001517.hg.4 | -2.28 | -1.19 | 2.28 | down | 3.67 | 4.86 | GAS5-AS1 GAS5 antiser | --- --- | chr1 | 173862152 | 173863941 | + |
| TC01003095.hg.4 | -2.70 | -1.43 | 2.70 | down | 3.66 | 5.09 | PFN1P2 profilin 1 pse | --- --- | chr1 | 149084551 | 149086462 | + |
| TC01006390.hg.4 | -4.64 | -2.22 | 4.64 | down | 6.49 | 8.71 | HNRNP A non-protein | --- --- | chr1 | 244840638 | 244846941 | - |
| TC01006409.hg.4 | -2.04 | -1.03 | 2.04 | down | 3.78 | 4.81 | C1ORF220// chromosome | --- --- | chr1 | 178542752 | 178548889 | + |
| TC01006415.hg.4 | -2.09 | -1.06 | 2.09 | down | 3.34 | 4.40 | RP11-267N1 regulator of | --- --- | chr1 | 163244505 | 163321894 | - |
| TC0200000007.oe.1 | -2.87 | -1.52 | 2.87 | down | 3.27 | 4.80 | Inc-ACP1-1 LNCipedia | lc Inc-ACP1-1: --- | chr2 | 307912 | 332118 | + |

| | | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|-------------------------|--------------------------|------|-----------|-----------|---|
| TC0200000133.oe.1 | 2.04 | 1.03 | 2.04 | up | 6.72 | 5.68 | Inc-C2orf50- LNCipedia | lc Inc-C2orf50- NONHSAT0 | chr2 | 11172012 | 11178168 | + |
| TC0200000210.oe.1 | -3.18 | -1.67 | 3.18 | down | 3.16 | 4.83 | Inc-KCNS3-: gene_id XLO | Inc-KCNS3-: NONHSAT0 | chr2 | 18550772 | 18553219 | + |
| TC0200000212.oe.1 | 2.10 | 1.07 | 2.10 | up | 4.00 | 2.94 | Inc-KCNS3- LNCipedia | lc Inc-KCNS3-: --- | chr2 | 18648288 | 18651233 | + |
| TC0200000355.oe.1 | -2.05 | -1.04 | 2.05 | down | 3.12 | 4.16 | Inc-LBH-4 LNCipedia | lc Inc-LBH-4:1 --- | chr2 | 30200163 | 30205935 | + |
| TC0200000495.oe.1 | -2.30 | -1.20 | 2.30 | down | 4.60 | 5.81 | Inc-SLC3A1- LNCipedia | lc Inc-SLC3A1- NONHSAT0 | chr2 | 44395310 | 44396393 | + |
| TC0200000511.oe.1 | -2.65 | -1.41 | 2.65 | down | 3.00 | 4.41 | Inc-RHOQ- LNCipedia | lc Inc-RHOQ-: --- | chr2 | 46522374 | 46524282 | + |
| TC0200000577.oe.1 | -2.76 | -1.46 | 2.76 | down | 2.74 | 4.20 | Inc-C2orf73- LNCipedia | lc Inc-C2orf73- --- | chr2 | 54516636 | 54517678 | + |
| TC0200000610.oe.1 | 2.01 | 1.01 | 2.01 | up | 11.96 | 10.96 | Inc-VRK2-8 NONCODE | cl Inc-VRK2-8: NONHSAT0 | chr2 | 58046642 | 58159920 | + |
| TC0200000659.oe.1 | -2.03 | -1.02 | 2.03 | down | 3.89 | 4.91 | Inc-OTX1-7 LNCipedia | lc Inc-OTX1-7: NONHSAT0 | chr2 | 62766549 | 62766968 | + |
| TC0200000731.oe.1 | 2.06 | 1.05 | 2.06 | up | 7.73 | 6.68 | Inc-PNO1-1 LNCipedia | lc Inc-PNO1-1 --- | chr2 | 68179833 | 68180532 | + |
| TC0200000750.oe.1 | 2.30 | 1.20 | 2.30 | up | 5.37 | 4.17 | Inc-SNRNP2 LNCipedia | lc Inc-SNRNP2 NONHSAT0 | chr2 | 69938152 | 69942942 | + |
| TC0200000787.oe.1 | -2.55 | -1.35 | 2.55 | down | 5.65 | 7.00 | Inc-DYSF-8 NONCODE | cl Inc-DYSF-8: NONHSAT0 | chr2 | 71379516 | 71398757 | + |
| TC0200000788.oe.1 | -2.10 | -1.07 | 2.10 | down | 9.96 | 11.03 | Inc-DYSF-7 NONCODE | cl Inc-DYSF-7: NONHSAT0 | chr2 | 71403850 | 71426606 | + |
| TC0200000859.oe.1 | -2.90 | -1.54 | 2.90 | down | 5.08 | 6.62 | RP11-342K6 LNCipedia | lc Inc-POLE4-: NONHSAT0 | chr2 | 75660462 | 75662208 | + |
| TC0200000951.oe.1 | 2.13 | 1.09 | 2.13 | up | 10.91 | 9.81 | Inc-PLGLB2- LNCipedia | lc Inc-PLGLB2- NONHSAT0 | chr2 | 87710443 | 87714232 | + |
| TC0200000967.oe.1 | -2.02 | -1.02 | 2.02 | down | 4.95 | 5.97 | Inc-RPIA-1 NONCODE | cl Inc-RPIA-1:1 NONHSAT0 | chr2 | 88765807 | 88806612 | + |
| TC0200000993.oe.1 | 2.19 | 1.13 | 2.19 | up | 3.64 | 2.51 | CH17-132F2 N/A | --- --- | chr2 | 90365737 | 90367699 | + |
| TC0200001005.oe.1 | -2.05 | -1.04 | 2.05 | down | 4.20 | 5.24 | Inc-AC0734- LNCipedia | lc Inc-AC0734- NONHSAT0 | chr2 | 92130438 | 92136243 | + |
| TC0200001131.oe.1 | 2.06 | 1.05 | 2.06 | up | 8.58 | 7.53 | Inc-TMEM1 LNCipedia | lc Inc-TMEM1: NONHSAT0 | chr2 | 102689694 | 102702451 | + |
| TC0200001200.oe.1 | -2.50 | -1.32 | 2.50 | down | 5.34 | 6.66 | Inc-LIMS1-4 NONCODE | cl Inc-LIMS1-4 NONHSAT0 | chr2 | 108471814 | 108475161 | + |
| TC0200001278.oe.1 | 2.21 | 1.15 | 2.21 | up | 5.55 | 4.41 | Inc-PSD4-2 LNCipedia | lc Inc-PSD4-2: NONHSAT0 | chr2 | 113205926 | 113209396 | + |
| TC0200001346.oe.1 | 2.04 | 1.03 | 2.04 | up | 4.30 | 3.27 | Inc-GLI2-6 NONCODE | cl Inc-GLI2-6:1 NONHSAT0 | chr2 | 120735623 | 120951763 | + |
| TC0200001435.oe.1 | 2.23 | 1.16 | 2.23 | up | 7.46 | 6.30 | Inc-PTPN18- LNCipedia | lc Inc-PTPN18- NONHSAT0 | chr2 | 130342897 | 130345020 | + |
| TC0200001470.oe.1 | -2.07 | -1.05 | 2.07 | down | 12.17 | 13.22 | Inc-GPR39- LNCipedia | lc Inc-GPR39-: NONHSAT0 | chr2 | 132255493 | 132255912 | + |
| TC0200001516.oe.1 | -2.06 | -1.04 | 2.06 | down | 2.67 | 3.72 | Inc-THSD7B LNCipedia | lc Inc-THSD7B --- | chr2 | 137693347 | 137693561 | + |
| TC0200001544.oe.1 | 3.49 | 1.80 | 3.49 | up | 12.94 | 11.13 | Inc-ARHGAF NONCODE | cl Inc-ARHGAF NONHSAT0 | chr2 | 142918679 | 142958075 | + |
| TC0200001574.oe.1 | 2.16 | 1.11 | 2.16 | up | 3.99 | 2.88 | Inc-ACVR2A NONCODE | cl Inc-ACVR2A NONHSAT0 | chr2 | 146477427 | 146478113 | + |
| TC0200001586.oe.1 | -2.34 | -1.23 | 2.34 | down | 4.24 | 5.46 | RP11-567F1 N/A | --- --- | chr2 | 148062154 | 148062577 | + |
| TC0200001740.oe.1 | -2.97 | -1.57 | 2.97 | down | 5.03 | 6.60 | Inc-PHOSPH LNCipedia | lc Inc-PHOSPH NONHSAT0 | chr2 | 169639482 | 169641403 | + |
| TC0200001795.oe.1 | -2.62 | -1.39 | 2.62 | down | 4.42 | 5.81 | RP11-39411 LNCipedia | lc Inc-SP9-7:1 NONHSAT0 | chr2 | 173968351 | 173969418 | + |
| TC0200001798.oe.1 | -2.16 | -1.11 | 2.16 | down | 3.14 | 4.25 | Inc-SP9-5 LNCipedia | lc Inc-SP9-5:1 --- | chr2 | 174195610 | 174196656 | + |
| TC0200001847.oe.1 | 2.36 | 1.24 | 2.36 | up | 6.66 | 5.42 | Inc-OSBPL6- NONCODE | cl Inc-OSBPL6- NONHSAT0 | chr2 | 178121004 | 178124290 | + |
| TC0200001876.oe.1 | 2.42 | 1.28 | 2.42 | up | 3.88 | 2.61 | Inc-PLEKHA- NONCODE | cl Inc-PLEKHA-: NONHSAT0 | chr2 | 179657779 | 179660393 | + |
| TC0200001944.oe.1 | 2.01 | 1.01 | 2.01 | up | 5.67 | 4.66 | Inc-MFSD6- NONCODE | cl Inc-MFSD6- NONHSAT0 | chr2 | 190343930 | 190366730 | + |
| TC0200001956.oe.1 | -2.04 | -1.03 | 2.04 | down | 5.76 | 6.79 | Inc-OBFC2A NONCODE | cl Inc-OBFC2A NONHSAT0 | chr2 | 191407658 | 191409073 | + |
| TC0200002074.oe.1 | 3.25 | 1.70 | 3.25 | up | 5.25 | 3.55 | Inc-ALS2CR LNCipedia | lc Inc-ALS2CR: NONHSAT0 | chr2 | 203083499 | 203085008 | + |
| TC0200002125.oe.1 | 2.01 | 1.01 | 2.01 | up | 11.25 | 10.24 | Inc-CREB1- LNCipedia | lc Inc-CREB1-: NONHSAT0 | chr2 | 207750685 | 207753875 | + |
| TC0200002135.oe.1 | 2.97 | 1.57 | 2.97 | up | 6.85 | 5.29 | Inc-UNC80- LNCipedia | lc Inc-UNC80- NONHSAT0 | chr2 | 209661465 | 209710812 | + |
| TC0200002202.oe.1 | -2.37 | -1.25 | 2.37 | down | 2.97 | 4.22 | Inc-AC0075- LNCipedia | lc Inc-AC0075: NONHSAT0 | chr2 | 216821131 | 216831633 | + |
| TC0200002307.oe.1 | -5.39 | -2.43 | 5.39 | down | 7.15 | 9.58 | Inc-KCNE4- LNCipedia | lc Inc-KCNE4-: NONHSAT0 | chr2 | 222942942 | 222944636 | + |
| TC0200002328.oe.1 | -2.18 | -1.12 | 2.18 | down | 3.59 | 4.72 | NONHSAG0 NONCODE | cl Inc-RHBDD1 NONHSAT0 | chr2 | 226804036 | 226805061 | + |
| TC0200002337.oe.1 | 2.03 | 1.02 | 2.03 | up | 9.42 | 8.40 | Inc-COL4A3 LNCipedia | lc Inc-COL4A3 NONHSAT0 | chr2 | 227355298 | 227357181 | + |
| TC0200002378.oe.1 | 2.90 | 1.54 | 2.90 | up | 5.99 | 4.45 | Inc-PSMD1- LNCipedia | lc Inc-PSMD1- NONHSAT0 | chr2 | 231258965 | 231278427 | + |
| TC0200002771.oe.1 | 2.07 | 1.05 | 2.07 | up | 4.53 | 3.49 | Inc-RDH14- NONCODE | cl Inc-RDH14- NONHSAT0 | chr2 | 18547386 | 18548204 | - |
| TC0200002831.oe.1 | 2.03 | 1.02 | 2.03 | up | 7.19 | 6.17 | Inc-TP53I3- LNCipedia | lc Inc-TP53I3-: NONHSAT0 | chr2 | 24073649 | 24076373 | - |
| TC0200002936.oe.1 | 2.42 | 1.27 | 2.42 | up | 4.82 | 3.55 | Inc-CAPN14 LNCipedia | lc Inc-CAPN14 NONHSAT0 | chr2 | 31383082 | 31384395 | - |
| TC0200003023.oe.1 | 2.43 | 1.28 | 2.43 | up | 5.31 | 4.03 | Inc-CDKL4- LNCipedia | lc Inc-CDKL4-: --- | chr2 | 39323328 | 39323804 | - |
| TC0200003146.oe.1 | -2.15 | -1.10 | 2.15 | down | 2.87 | 3.97 | Inc-GPR75- LNCipedia | lc Inc-GPR75-: --- | chr2 | 53616465 | 53618384 | - |
| TC0200003413.oe.1 | 2.04 | 1.03 | 2.04 | up | 8.33 | 7.30 | Inc-SLC4A5- LNCipedia | lc Inc-SLC4A5- NONHSAT0 | chr2 | 74361155 | 74369395 | - |

| | | | | | | | | | | |
|-------------------|-------|-------|-------|------|-------|-------|--|-----------|-----------|---|
| TC0200003458.oe.1 | -2.48 | -1.31 | 2.48 | down | 2.77 | 4.08 | Inc-REG1B-4 gene_id XLOC Inc-REG1B-4 NONHSAT0 chr2 | 78597911 | 78599406 | - |
| TC0200003631.oe.1 | -3.42 | -1.78 | 3.42 | down | 10.66 | 12.43 | Inc-GPAT2-1 LNCipedia lc Inc-GPAT2-1 NONHSAT0 chr2 | 95857340 | 95867471 | - |
| TC0200003632.oe.1 | -2.18 | -1.12 | 2.18 | down | 5.34 | 6.46 | Inc-GPAT2-1 LNCipedia lc Inc-GPAT2-1 --- chr2 | 95891657 | 95896022 | - |
| TC0200003633.oe.1 | -2.02 | -1.01 | 2.02 | down | 4.46 | 5.47 | Inc-GPAT2-4 LNCipedia lc Inc-GPAT2-4 NONHSAT0 chr2 | 95936811 | 95939208 | - |
| TC0200003634.oe.1 | -2.54 | -1.35 | 2.54 | down | 7.58 | 8.92 | Inc-GPAT2-1 LNCipedia lc Inc-GPAT2-1 NONHSAT0 chr2 | 95945114 | 95960664 | - |
| TC0200003635.oe.1 | -2.07 | -1.05 | 2.07 | down | 9.25 | 10.30 | Inc-GPAT2-1 LNCipedia lc Inc-GPAT2-1 NONHSAT0 chr2 | 95978127 | 95986839 | - |
| TC0200003669.oe.1 | -2.61 | -1.38 | 2.61 | down | 4.29 | 5.68 | NONHSAG0 LNCipedia lc Inc-AC10841 NONHSAT0 chr2 | 97416067 | 97433527 | - |
| TC0200003670.oe.1 | -2.22 | -1.15 | 2.22 | down | 8.14 | 9.29 | Inc-AC10841 LNCipedia lc Inc-AC10841 NONHSAT0 chr2 | 97492514 | 97511249 | - |
| TC0200003712.oe.1 | 2.16 | 1.11 | 2.16 | up | 4.28 | 3.17 | Inc-RFX8-1 gene_id XLOC Inc-RFX8-1:1 NONHSAT0 chr2 | 101551603 | 101567908 | - |
| TC0200003823.oe.1 | 2.22 | 1.15 | 2.22 | up | 8.04 | 6.90 | NONHSAG0 NONCODE c Inc-AC10841 NONHSAT0 chr2 | 111491943 | 111494811 | - |
| TC0200003843.oe.1 | 4.51 | 2.17 | 4.51 | up | 6.41 | 4.24 | Inc-IL1A-3 LNCipedia lc Inc-IL1A-3:1 NONHSAT0 chr2 | 112835181 | 112836779 | - |
| TC0200003860.oe.1 | -2.49 | -1.32 | 2.49 | down | 6.77 | 8.09 | Inc-AC01674 NONCODE c Inc-AC01674 NONHSAT0 chr2 | 113706793 | 113710239 | - |
| TC0200004024.oe.1 | 2.36 | 1.24 | 2.36 | up | 5.89 | 4.65 | RP11-725P1 LNCipedia lc Inc-ANKRD3 --- chr2 | 132345616 | 132347297 | - |
| TC0200004066.oe.1 | 12.06 | 3.59 | 12.06 | up | 7.94 | 4.35 | Inc-LRP1B-4 NONCODE c Inc-LRP1B-4 NONHSAT0 chr2 | 142870588 | 142871067 | - |
| TC0200004139.oe.1 | -2.59 | -1.37 | 2.59 | down | 4.99 | 6.37 | Inc-AC02341 NONCODE c Inc-AC02341 NONHSAT0 chr2 | 150955591 | 150956046 | - |
| TC0200004217.oe.1 | -2.30 | -1.20 | 2.30 | down | 3.01 | 4.21 | Inc-RBMS1- LNCipedia lc Inc-RBMS1- NONHSAT0 chr2 | 161048606 | 161050546 | - |
| TC0200004250.oe.1 | -2.19 | -1.13 | 2.19 | down | 3.08 | 4.21 | Inc-COBL1- NONCODE c Inc-COBL1- NONHSAT0 chr2 | 164898528 | 164939503 | - |
| TC0200004334.oe.1 | -2.16 | -1.11 | 2.16 | down | 7.21 | 8.31 | Inc-OLA1-5 LNCipedia lc Inc-OLA1-5:1 NONHSAT0 chr2 | 173908532 | 173916832 | - |
| TC0200004364.oe.1 | -2.12 | -1.09 | 2.12 | down | 7.21 | 8.30 | Inc-CHN1-5 NONCODE c Inc-CHN1-5 NONHSAT0 chr2 | 175072252 | 175074044 | - |
| TC0200004413.oe.1 | -2.72 | -1.44 | 2.72 | down | 5.14 | 6.58 | Inc-CCDC14 LNCipedia lc Inc-CCDC14 NONHSAT0 chr2 | 179102280 | 179104484 | - |
| TC0200004433.oe.1 | 2.01 | 1.00 | 2.01 | up | 3.48 | 2.47 | Inc-NEURO1 LNCipedia lc Inc-NEURO1 NONHSAT0 chr2 | 182140483 | 182141627 | - |
| TC0200004512.oe.1 | -2.09 | -1.06 | 2.09 | down | 5.10 | 6.16 | Inc-C2orf66 LNCipedia lc Inc-C2orf66 NONHSAT0 chr2 | 196837871 | 196842825 | - |
| TC0200004522.oe.1 | -2.16 | -1.11 | 2.16 | down | 10.77 | 11.88 | Inc-ANKRD4 LNCipedia lc Inc-ANKRD4 NONHSAT0 chr2 | 197392255 | 197393351 | - |
| TC0200004524.oe.1 | -2.04 | -1.03 | 2.04 | down | 8.81 | 9.84 | Inc-HSPD1- LNCipedia lc Inc-HSPD1- NONHSAT0 chr2 | 197409783 | 197435047 | - |
| TC0200004619.oe.1 | -2.23 | -1.16 | 2.23 | down | 3.18 | 4.34 | Inc-METTL2 LNCipedia lc Inc-METTL2 NONHSAT0 chr2 | 207673744 | 207673959 | - |
| TC0200004621.oe.1 | 3.00 | 1.58 | 3.00 | up | 5.67 | 4.09 | OTTHUMG01 NONCODE c Inc-PLEKHM NONHSAT0 chr2 | 207821290 | 207822769 | - |
| TC0200004872.oe.1 | -2.33 | -1.22 | 2.33 | down | 5.19 | 6.41 | Inc-AC11272 LNCipedia lc Inc-AC11272 NONHSAT0 chr2 | 237338940 | 237340602 | - |
| TC0200004907.oe.1 | -2.05 | -1.04 | 2.05 | down | 6.18 | 7.21 | Inc-AC01702 LNCipedia lc Inc-AC01702 NONHSAT0 chr2 | 239345520 | 239346621 | - |
| TC02000912.hg.4 | -2.46 | -1.30 | 2.46 | down | 4.32 | 5.62 | TEX41//LOC uncharacteri --- --- chr2 | 144667967 | 145182649 | + |
| TC0300000020.oe.1 | -2.82 | -1.50 | 2.82 | down | 5.46 | 6.96 | Inc-TRNT1-1 LNCipedia lc Inc-TRNT1-1 NONHSAT0 chr3 | 3149140 | 3154190 | + |
| TC0300000058.oe.1 | -2.10 | -1.07 | 2.10 | down | 5.03 | 6.10 | Inc-THUMPF LNCipedia lc Inc-THUMPF --- chr3 | 9405780 | 9407229 | + |
| TC0300000059.oe.1 | -2.00 | -1.00 | 2.00 | down | 6.08 | 7.09 | Inc-THUMPF LNCipedia lc Inc-THUMPF --- chr3 | 9408357 | 9408669 | + |
| TC0300000062.oe.1 | -2.40 | -1.27 | 2.40 | down | 5.20 | 6.47 | Inc-THUMPF LNCipedia lc Inc-THUMPF --- chr3 | 9443472 | 9443729 | + |
| TC0300000087.oe.1 | -2.05 | -1.04 | 2.05 | down | 6.42 | 7.46 | RP11-1020A LNCipedia lc Inc-CRELD1 NONHSAT0 chr3 | 9958717 | 9962539 | + |
| TC0300000088.oe.1 | 2.23 | 1.16 | 2.23 | up | 8.81 | 7.65 | Inc-FANCD2 NONCODE c Inc-FANCD2 NONHSAT0 chr3 | 9986893 | 10007003 | + |
| TC0300000158.oe.1 | -2.00 | -1.00 | 2.00 | down | 2.48 | 3.48 | Inc-BTD-3 LNCipedia lc Inc-BTD-3:1 NONHSAT0 chr3 | 15740220 | 15762186 | + |
| TC0300000194.oe.1 | -2.92 | -1.54 | 2.92 | down | 3.16 | 4.71 | Inc-KAT2B-1 LNCipedia lc Inc-KAT2B-1 --- chr3 | 20161384 | 20169413 | + |
| TC0300000201.oe.1 | -2.15 | -1.11 | 2.15 | down | 4.77 | 5.88 | Inc-KAT2B-1 LNCipedia lc Inc-KAT2B-1 NONHSAT0 chr3 | 20969528 | 20970379 | + |
| TC0300000353.oe.1 | 3.08 | 1.62 | 3.08 | up | 7.77 | 6.15 | Inc-SLC25A3 NONCODE c Inc-SLC25A3 NONHSAT0 chr3 | 39406718 | 39408195 | + |
| TC0300000424.oe.1 | -2.03 | -1.02 | 2.03 | down | 2.84 | 3.86 | Inc-ZNF35-4 LNCipedia lc Inc-ZNF35-4 NONHSAT0 chr3 | 44682202 | 44684044 | + |
| TC0300000495.oe.1 | 2.62 | 1.39 | 2.62 | up | 5.50 | 4.11 | Inc-CCDC36 LNCipedia lc Inc-CCDC36 NONHSAT0 chr3 | 49174933 | 49176402 | + |
| TC0300000532.oe.1 | 2.43 | 1.28 | 2.43 | up | 5.77 | 4.50 | Inc-RAD54L NONCODE c Inc-RAD54L NONHSAT0 chr3 | 51541144 | 51541870 | + |
| TC0300000576.oe.1 | 2.11 | 1.08 | 2.11 | up | 4.80 | 3.72 | Inc-IL17RB-2 NONCODE c Inc-IL17RB-2 NONHSAT0 chr3 | 54272774 | 54320541 | + |
| TC0300000625.oe.1 | -2.23 | -1.16 | 2.23 | down | 3.09 | 4.25 | Inc-PTPRG-4 NONCODE c Inc-PTPRG-4 NONHSAT0 chr3 | 61409560 | 61413179 | + |
| TC0300000685.oe.1 | -2.00 | -1.00 | 2.00 | down | 2.85 | 3.85 | Inc-MITF-12 LNCipedia lc Inc-MITF-12 NONHSAT0 chr3 | 70751123 | 70751350 | + |
| TC0300000787.oe.1 | -2.03 | -1.02 | 2.03 | down | 8.05 | 9.07 | Inc-EPHA3-2 NONCODE c Inc-EPHA3-2 NONHSAT0 chr3 | 90414967 | 90427984 | + |
| TC0300000795.oe.1 | -2.67 | -1.42 | 2.67 | down | 13.11 | 14.53 | Inc-EPHA6-1 NONCODE c Inc-EPHA6-1 NONHSAT0 chr3 | 96617185 | 96618195 | + |
| TC0300000838.oe.1 | 3.17 | 1.66 | 3.17 | up | 6.05 | 4.39 | Inc-GPR128 LNCipedia lc Inc-GPR128 NONHSAT0 chr3 | 100519239 | 100556972 | + |
| TC0300000839.oe.1 | 2.62 | 1.39 | 2.62 | up | 4.84 | 3.45 | Inc-GPR128 NONCODE c Inc-GPR128 NONHSAT0 chr3 | 100571030 | 100577065 | + |

| | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|--|-----------|-----------|---|
| TC0300000956.oe.1 | 2.04 | 1.03 | 2.04 | up | 7.30 | 6.27 | Inc-ZDHC2 NONCODE c Inc-ZDHC2 NONHSAT0 chr3 | 114056740 | 114070806 | + |
| TC0300001035.oe.1 | 2.23 | 1.16 | 2.23 | up | 4.19 | 3.03 | Inc-SLC15A2 LNCipedia lc Inc-SLC15A2 NONHSAT0 chr3 | 121835209 | 121837776 | + |
| TC0300001188.oe.1 | -2.13 | -1.09 | 2.13 | down | 3.21 | 4.30 | Inc-SRPRB-3 LNCipedia lc Inc-SRPRB-3 NONHSAT0 chr3 | 133760300 | 133762363 | + |
| TC0300001355.oe.1 | 3.10 | 1.63 | 3.10 | up | 7.24 | 5.61 | Inc-AADACL NONCODE c Inc-AADACL NONHSAT0 chr3 | 151770428 | 151784894 | + |
| TC0300001356.oe.1 | 8.66 | 3.11 | 8.66 | up | 9.72 | 6.61 | NONHSAG0 NONCODE c Inc-AADAC- NONHSAT0 chr3 | 151797484 | 151808249 | + |
| TC0300001364.oe.1 | -2.37 | -1.24 | 2.37 | down | 9.04 | 10.28 | Inc-MBNL1- LNCipedia lc Inc-MBNL1- NONHSAT0 chr3 | 152457691 | 152465780 | + |
| TC0300001400.oe.1 | -2.12 | -1.08 | 2.12 | down | 4.35 | 5.43 | Inc-MME-6 LNCipedia lc Inc-MME-6: NONHSAT0 chr3 | 155277709 | 155283378 | + |
| TC0300001516.oe.1 | -2.64 | -1.40 | 2.64 | down | 9.84 | 11.23 | Inc-SKIL-4 LNCipedia lc Inc-SKIL-4:1 NONHSAT0 chr3 | 170394617 | 170397227 | + |
| TC0300001544.oe.1 | 2.16 | 1.11 | 2.16 | up | 3.75 | 2.64 | Inc-FNDC3B LNCipedia lc Inc-FNDC3B NONHSAT0 chr3 | 172522228 | 172522444 | + |
| TC0300001659.oe.1 | 2.29 | 1.20 | 2.29 | up | 11.25 | 10.05 | Inc-FAM131 LNCipedia lc Inc-FAM131 NONHSAT0 chr3 | 184328669 | 184331853 | + |
| TC0300001678.oe.1 | -2.04 | -1.03 | 2.04 | down | 5.23 | 6.26 | Inc-MAP3K1 LNCipedia lc Inc-MAP3K1 NONHSAT0 chr3 | 184982418 | 184996501 | + |
| TC0300001680.oe.1 | 2.31 | 1.21 | 2.31 | up | 5.82 | 4.62 | Inc-SEN2-1 LNCipedia lc Inc-SEN2-1 NONHSAT0 chr3 | 185443475 | 185447957 | + |
| TC0300001767.oe.1 | -2.34 | -1.22 | 2.34 | down | 6.12 | 7.34 | Inc-HES1-6 LNCipedia lc Inc-HES1-6: NONHSAT0 chr3 | 194145674 | 194145967 | + |
| TC0300001883.oe.1 | 2.63 | 1.39 | 2.63 | up | 6.01 | 4.62 | Inc-AC0188: NONCODE c Inc-AC0188: NONHSAT0 chr3 | 4814294 | 4887293 | - |
| TC0300001939.oe.1 | 2.09 | 1.06 | 2.09 | up | 14.45 | 13.39 | Inc-GHRL-1 LNCipedia lc Inc-GHRL-1: NONHSAT0 chr3 | 10300932 | 10301332 | - |
| TC0300002063.oe.1 | -2.15 | -1.10 | 2.15 | down | 5.09 | 6.19 | Inc-TOP2B-! LNCipedia lc Inc-TOP2B-! --- chr3 | 25358112 | 25359922 | - |
| TC0300002076.oe.1 | -3.40 | -1.76 | 3.40 | down | 3.53 | 5.30 | Inc-SLC4A7- LNCipedia lc Inc-SLC4A7- NONHSAT0 chr3 | 27278688 | 27284901 | - |
| TC0300002376.oe.1 | 3.55 | 1.83 | 3.55 | up | 10.89 | 9.06 | Inc-ABHD14 NONCODE c Inc-ABHD14 NONHSAT0 chr3 | 51994935 | 51995895 | - |
| TC0300002507.oe.1 | -2.38 | -1.25 | 2.38 | down | 4.78 | 6.03 | Inc-LMOD3- LNCipedia lc Inc-LMOD3- NONHSAT0 chr3 | 69196719 | 69250248 | - |
| TC0300002591.oe.1 | 3.05 | 1.61 | 3.05 | up | 4.84 | 3.23 | Inc-STX19-1 NONCODE c Inc-STX19-1 NONHSAT0 chr3 | 93906040 | 93911157 | - |
| TC0300002607.oe.1 | 3.46 | 1.79 | 3.46 | up | 11.45 | 9.65 | Inc-CLDND1 NONCODE c Inc-CLDND1 NONHSAT0 chr3 | 98525061 | 98525274 | - |
| TC0300002717.oe.1 | -2.39 | -1.26 | 2.39 | down | 5.84 | 7.10 | Inc-ZBTB20- NONCODE c Inc-ZBTB20- NONHSAT0 chr3 | 114314501 | 114333920 | - |
| TC0300002745.oe.1 | -2.00 | -1.00 | 2.00 | down | 4.27 | 5.27 | Inc-POPDC2 LNCipedia lc Inc-POPDC2 NONHSAT0 chr3 | 119670764 | 119672338 | - |
| TC0300002751.oe.1 | -2.26 | -1.18 | 2.26 | down | 7.67 | 8.84 | Inc-GPR156- LNCipedia lc Inc-GPR156- NONHSAT0 chr3 | 120325331 | 120328350 | - |
| TC0300002780.oe.1 | -2.20 | -1.14 | 2.20 | down | 5.82 | 6.96 | Inc-PTPLB-4 LNCipedia lc Inc-PTPLB-4 NONHSAT0 chr3 | 123640379 | 123649064 | - |
| TC0300002861.oe.1 | 2.29 | 1.20 | 2.29 | up | 7.88 | 6.68 | Inc-PLXND1 LNCipedia lc Inc-PLXND1 NONHSAT0 chr3 | 129847048 | 129847957 | - |
| TC0300002892.oe.1 | -2.12 | -1.09 | 2.12 | down | 7.79 | 8.87 | Inc-RAB6B-2 NONCODE c Inc-RAB6B-2 NONHSAT0 chr3 | 133616821 | 133617526 | - |
| TC0300002936.oe.1 | -2.09 | -1.06 | 2.09 | down | 5.59 | 6.65 | Inc-CEP70-1 LNCipedia lc Inc-CEP70-1 NONHSAT0 chr3 | 138657283 | 138663933 | - |
| TC0300003010.oe.1 | 2.58 | 1.37 | 2.58 | up | 4.48 | 3.11 | Inc-ZIC4-2/ gene_id XLO Inc-ZIC4-2:1 NONHSAT0 chr3 | 147844123 | 147846657 | - |
| TC0300003019.oe.1 | -3.25 | -1.70 | 3.25 | down | 12.02 | 13.72 | Inc-CP-3 NONCODE c Inc-CP-3:1 NONHSAT0 chr3 | 149050270 | 149060800 | - |
| TC0300003022.oe.1 | -2.93 | -1.55 | 2.93 | down | 12.92 | 14.47 | Inc-HLTF-5 LNCipedia lc Inc-HLTF-5: NONHSAT0 chr3 | 149173484 | 149176714 | - |
| TC0300003023.oe.1 | -2.14 | -1.10 | 2.14 | down | 12.16 | 13.26 | Inc-HLTF-6 LNCipedia lc Inc-HLTF-6: NONHSAT0 chr3 | 149185163 | 149188096 | - |
| TC0300003037.oe.1 | 2.29 | 1.20 | 2.29 | up | 6.19 | 4.99 | Inc-ANKUB1 NONCODE c Inc-ANKUB1 NONHSAT0 chr3 | 150017256 | 150022750 | - |
| TC0300003098.oe.1 | -3.08 | -1.62 | 3.08 | down | 3.55 | 5.18 | Inc-SSR3-5 LNCipedia lc Inc-SSR3-5: NONHSAT0 chr3 | 156535066 | 156536901 | - |
| TC0300003139.oe.1 | -2.26 | -1.18 | 2.26 | down | 4.48 | 5.66 | Inc-TRIM59- LNCipedia lc Inc-TRIM59- NONHSAT0 chr3 | 160258403 | 160277478 | - |
| TC0300003149.oe.1 | -2.59 | -1.37 | 2.59 | down | 3.63 | 5.00 | Inc-B3GALN LNCipedia lc Inc-B3GALN NONHSAT0 chr3 | 161359299 | 161371517 | - |
| TC0300003194.oe.1 | -3.69 | -1.88 | 3.69 | down | 5.95 | 7.83 | Inc-LRRC31- NONCODE c Inc-LRRC31- NONHSAT0 chr3 | 170087584 | 170088850 | - |
| TC0300003202.oe.1 | 2.45 | 1.29 | 2.45 | up | 10.50 | 9.20 | Inc-EIF5A2-: NONCODE c Inc-EIF5A2-: NONHSAT0 chr3 | 170865794 | 170868181 | - |
| TC0300003241.oe.1 | 2.34 | 1.22 | 2.34 | up | 4.06 | 2.84 | Inc-TBL1XR1 LNCipedia lc Inc-TBL1XR1 NONHSAT0 chr3 | 176287186 | 176325154 | - |
| TC0300003247.oe.1 | -2.40 | -1.26 | 2.40 | down | 9.40 | 10.66 | Inc-ZMAT3- LNCipedia lc Inc-ZMAT3- NONHSAT0 chr3 | 177020754 | 177027830 | - |
| TC0300003284.oe.1 | 2.24 | 1.16 | 2.24 | up | 4.35 | 3.19 | Inc-DNAJC1 LNCipedia lc Inc-DNAJC1 NONHSAT0 chr3 | 181563539 | 181565659 | - |
| TC0300003358.oe.1 | -2.04 | -1.03 | 2.04 | down | 12.06 | 13.08 | Inc-MASP1- LNCipedia lc Inc-MASP1- --- chr3 | 187413517 | 187413755 | - |
| TC0300003379.oe.1 | -2.13 | -1.09 | 2.13 | down | 2.86 | 3.95 | Inc-LEPREL1 LNCipedia lc Inc-LEPREL1 --- chr3 | 189448461 | 189459100 | - |
| TC0300003382.oe.1 | 2.05 | 1.03 | 2.05 | up | 6.37 | 5.34 | Inc-TMEM2(NONCODE c Inc-TMEM2(NONHSAT0 chr3 | 190310169 | 190313218 | - |
| TC0300003402.oe.1 | -3.34 | -1.74 | 3.34 | down | 6.13 | 7.86 | Inc-ATP13A2 NONCODE l Inc-ATP13A2 NONHSAT0 chr3 | 193840828 | 193844024 | - |
| TC0300003410.oe.1 | -2.02 | -1.01 | 2.02 | down | 8.41 | 9.42 | Inc-GP5-1 LNCipedia lc Inc-GP5-1:1 NONHSAT0 chr3 | 194403465 | 194413063 | - |
| TC03000749.hg.4 | -2.23 | -1.16 | 2.23 | down | 3.27 | 4.43 | BPESC1 blepharophii --- --- chr3 | 139104185 | 139125167 | + |
| TC03001476.hg.4 | -2.38 | -1.25 | 2.38 | down | 2.31 | 3.56 | ESRG embryonic si --- --- chr3 | 54632124 | 54639857 | - |
| TC0400000003.oe.1 | -2.27 | -1.18 | 2.27 | down | 4.49 | 5.67 | CH17-262A2 N/A --- --- chr4 | 149738 | 150317 | + |

| | | | | | | | | | | |
|-------------------|--------|-------|-------|------|-------|-------|--|-----------|-----------|---|
| TC0400000137.oe.1 | 2.34 | 1.23 | 2.34 | up | 8.49 | 7.27 | NONHSAG0 NONCODE c Inc-SORCS2 NONHSAT0 chr4 | 7754090 | 7778928 | + |
| TC0400000283.oe.1 | -2.37 | -1.24 | 2.37 | down | 8.76 | 10.00 | Inc-RBPJ-2 LNCipedia lc Inc-RBPJ-2:1 NONHSAT0 chr4 | 26432993 | 26434919 | + |
| TC0400000284.oe.1 | -2.11 | -1.08 | 2.11 | down | 4.67 | 5.74 | Inc-RBPJ-3 LNCipedia lc Inc-RBPJ-3:1 --- chr4 | 26466833 | 26468033 | + |
| TC0400000424.oe.1 | 2.28 | 1.19 | 2.28 | up | 5.70 | 4.51 | Inc-GABRB1 LNCipedia lc Inc-GABRB1 NONHSAT0 chr4 | 47485297 | 47512846 | + |
| TC0400000459.oe.1 | 2.00 | 1.00 | 2.00 | up | 9.29 | 8.29 | Inc-RASL11E LNCipedia lc Inc-RASL11E NONHSAT0 chr4 | 53442253 | 53453131 | + |
| TC0400000475.oe.1 | -2.20 | -1.13 | 2.20 | down | 3.14 | 4.28 | Inc-SRD5A3 NONCODE c Inc-SRD5A3 NONHSAT0 chr4 | 55053060 | 55092534 | + |
| TC0400000597.oe.1 | -2.39 | -1.26 | 2.39 | down | 4.51 | 5.77 | Inc-AFP-2 LNCipedia lc Inc-AFP-2:1 NONHSAT0 chr4 | 73418006 | 73419545 | + |
| TC0400000598.oe.1 | -2.02 | -1.02 | 2.02 | down | 4.11 | 5.13 | Inc-AFP-1 NONCODE c Inc-AFP-1:1 NONHSAT0 chr4 | 73419281 | 73421219 | + |
| TC0400000606.oe.1 | 5.68 | 2.51 | 5.68 | up | 6.74 | 4.23 | Inc-CXCL6-2 LNCipedia lc Inc-CXCL6-2 NONHSAT0 chr4 | 73740569 | 73741986 | + |
| TC0400000607.oe.1 | 4.20 | 2.07 | 4.20 | up | 5.46 | 3.39 | Inc-CXCL6-3 LNCipedia lc Inc-CXCL6-3 NONHSAT0 chr4 | 73743139 | 73743351 | + |
| TC0400000616.oe.1 | 2.58 | 1.36 | 2.58 | up | 9.46 | 8.10 | Inc-EPGN-3 NONCODE c Inc-EPGN-3 NONHSAT0 chr4 | 74365173 | 74382013 | + |
| TC0400000617.oe.1 | 3.26 | 1.71 | 3.26 | up | 10.20 | 8.49 | Inc-AREG-1 NONCODE c Inc-AREG-1:1 NONHSAT0 chr4 | 74382423 | 74384952 | + |
| TC0400000618.oe.1 | 2.92 | 1.55 | 2.92 | up | 6.57 | 5.02 | Inc-EREG-1 NONCODE c Inc-EREG-1:1 NONHSAT0 chr4 | 74448639 | 74450532 | + |
| TC0400000628.oe.1 | 2.07 | 1.05 | 2.07 | up | 6.49 | 5.44 | Inc-C4orf26 LNCipedia lc Inc-C4orf26 NONHSAT0 chr4 | 75539859 | 75546761 | + |
| TC0400000662.oe.1 | -3.66 | -1.87 | 3.66 | down | 4.65 | 6.53 | Inc-ANXA3 LNCipedia lc Inc-ANXA3 NONHSAT0 chr4 | 78913230 | 78916363 | + |
| TC0400000673.oe.1 | -2.13 | -1.09 | 2.13 | down | 3.03 | 4.12 | Inc-PRDM8 LNCipedia lc Inc-PRDM8 --- chr4 | 79819752 | 79842448 | + |
| TC0400000694.oe.1 | 2.02 | 1.02 | 2.02 | up | 11.37 | 10.36 | Inc-MRPS18 NONCODE c Inc-MRPS18 NONHSAT0 chr4 | 83588258 | 83595335 | + |
| TC0400000695.oe.1 | 2.32 | 1.21 | 2.32 | up | 13.13 | 11.91 | Inc-MRPS18 NONCODE c Inc-MRPS18 NONHSAT0 chr4 | 83598529 | 83605139 | + |
| TC0400000863.oe.1 | -2.06 | -1.04 | 2.06 | down | 3.92 | 4.96 | Inc-AP1AR LNCipedia lc Inc-AP1AR NONHSAT0 chr4 | 112321704 | 112322667 | + |
| TC0400000928.oe.1 | -2.16 | -1.11 | 2.16 | down | 7.40 | 8.51 | Inc-MYOZ2 LNCipedia lc Inc-MYOZ2 NONHSAT0 chr4 | 119267381 | 119273330 | + |
| TC0400000929.oe.1 | 2.05 | 1.04 | 2.05 | up | 5.73 | 4.69 | Inc-AC1103 LNCipedia lc Inc-AC1103 NONHSAT0 chr4 | 119378132 | 119405615 | + |
| TC0400000973.oe.1 | -2.10 | -1.07 | 2.10 | down | 3.65 | 4.72 | Inc-SPRY1-5 LNCipedia lc Inc-SPRY1-5 --- chr4 | 123709458 | 123716405 | + |
| TC0400000993.oe.1 | -2.04 | -1.03 | 2.04 | down | 3.07 | 4.10 | Inc-LARP1B LNCipedia lc Inc-LARP1B --- chr4 | 128057217 | 128060178 | + |
| TC0400001087.oe.1 | 2.40 | 1.26 | 2.40 | up | 4.41 | 3.15 | Inc-SMARCA LNCipedia lc Inc-SMARCA --- chr4 | 143601398 | 143615169 | + |
| TC0400001163.oe.1 | 2.07 | 1.05 | 2.07 | up | 4.48 | 3.43 | NONHSAG0 NONCODE c Inc-ARFIP1 NONHSAT0 chr4 | 152337655 | 152338098 | + |
| TC0400001191.oe.1 | -2.18 | -1.12 | 2.18 | down | 7.60 | 8.72 | Inc-LRAT-2 LNCipedia lc Inc-LRAT-2:1 NONHSAT0 chr4 | 154563011 | 154566749 | + |
| TC0400001277.oe.1 | 5.11 | 2.35 | 5.11 | up | 12.28 | 9.93 | Inc-PALLD-5 NONCODE c Inc-PALLD-5 NONHSAT0 chr4 | 168165241 | 168178315 | + |
| TC0400001288.oe.1 | 2.04 | 1.03 | 2.04 | up | 6.91 | 5.88 | Inc-PALLD-6 NONCODE c Inc-PALLD-6 NONHSAT0 chr4 | 169721190 | 169723183 | + |
| TC0400001335.oe.1 | -2.03 | -1.02 | 2.03 | down | 3.02 | 4.04 | Inc-ADAM2 LNCipedia lc Inc-ADAM2 --- chr4 | 174760024 | 174766808 | + |
| TC0400001345.oe.1 | -2.29 | -1.19 | 2.29 | down | 6.99 | 8.18 | Inc-SPCS3-3 LNCipedia lc Inc-SPCS3-3 NONHSAT0 chr4 | 176296368 | 176296825 | + |
| TC0400001498.oe.1 | -2.03 | -1.02 | 2.03 | down | 3.45 | 4.47 | Inc-CPLX1-5 LNCipedia lc Inc-CPLX1-5 --- chr4 | 759255 | 759618 | - |
| TC0400001584.oe.1 | 2.17 | 1.12 | 2.17 | up | 5.41 | 4.29 | Inc-EVC2-2 NONCODE c Inc-EVC2-2:1 NONHSAT0 chr4 | 5820784 | 5826861 | - |
| TC0400001692.oe.1 | -2.13 | -1.09 | 2.13 | down | 5.32 | 6.41 | Inc-LDB2-3 NONCODE c Inc-LDB2-3:1 NONHSAT0 chr4 | 17000658 | 17003611 | - |
| TC0400001705.oe.1 | -2.11 | -1.07 | 2.11 | down | 4.90 | 5.98 | Inc-DCAF16 LNCipedia lc Inc-DCAF16 NONHSAT0 chr4 | 17884122 | 17884763 | - |
| TC0400001804.oe.1 | -2.33 | -1.22 | 2.33 | down | 9.74 | 10.96 | Inc-C4orf34 LNCipedia lc Inc-C4orf34 NONHSAT0 chr4 | 39547301 | 39549586 | - |
| TC0400001809.oe.1 | -2.54 | -1.34 | 2.54 | down | 10.05 | 11.39 | Inc-C4orf34 LNCipedia lc Inc-C4orf34 NONHSAT0 chr4 | 39824798 | 39825359 | - |
| TC0400001810.oe.1 | -3.08 | -1.63 | 3.08 | down | 10.13 | 11.76 | Inc-C4orf34 NONCODE c Inc-C4orf34 NONHSAT0 chr4 | 39872792 | 39874400 | - |
| TC0400001811.oe.1 | -2.57 | -1.36 | 2.57 | down | 10.30 | 11.67 | Inc-C4orf34 LNCipedia lc Inc-C4orf34 NONHSAT0 chr4 | 39910065 | 39913687 | - |
| TC0400001906.oe.1 | -2.46 | -1.30 | 2.46 | down | 6.42 | 7.72 | Inc-PDCL2-2 LNCipedia lc Inc-PDCL2-2 NONHSAT0 chr4 | 55427907 | 55431424 | - |
| TC0400001934.oe.1 | -2.08 | -1.06 | 2.08 | down | 3.11 | 4.17 | NONHSAG0 LNCipedia lc Inc-IGFBP7 NONHSAT0 chr4 | 59047020 | 59075256 | - |
| TC0400002005.oe.1 | 2.06 | 1.04 | 2.06 | up | 7.29 | 6.25 | Inc-COX18 NONCODE c Inc-COX18 NONHSAT0 chr4 | 73100861 | 73104080 | - |
| TC0400002012.oe.1 | 5.32 | 2.41 | 5.32 | up | 9.22 | 6.81 | Inc-CXCL5-1 LNCipedia lc Inc-CXCL5-1 NONHSAT0 chr4 | 73995642 | 73996738 | - |
| TC0400002120.oe.1 | -2.26 | -1.17 | 2.26 | down | 3.25 | 4.42 | Inc-NKX6-1 LNCipedia lc Inc-NKX6-1 --- chr4 | 84746003 | 84749139 | - |
| TC0400002126.oe.1 | 2.16 | 1.11 | 2.16 | up | 6.45 | 5.34 | Inc-SLC10A6 NONCODE c Inc-SLC10A6 NONHSAT0 chr4 | 86095135 | 86101922 | - |
| TC0400002141.oe.1 | -2.10 | -1.07 | 2.10 | down | 3.45 | 4.52 | Inc-HSD17B LNCipedia lc Inc-HSD17B NONHSAT0 chr4 | 87495008 | 87529209 | - |
| TC0400002204.oe.1 | -15.97 | -4.00 | 15.97 | down | 7.98 | 11.98 | Inc-ADH1B LNCipedia lc Inc-ADH1B NONHSAT0 chr4 | 99344888 | 99352744 | - |
| TC0400002230.oe.1 | 2.06 | 1.04 | 2.06 | up | 7.41 | 6.37 | Inc-UBE2D3 LNCipedia lc Inc-UBE2D3 NONHSAT0 chr4 | 102727274 | 102730721 | - |
| TC0400002291.oe.1 | 2.04 | 1.03 | 2.04 | up | 8.39 | 7.36 | Inc-CASP6-2 LNCipedia lc Inc-CASP6-2 NONHSAT0 chr4 | 109717548 | 109718761 | - |
| TC0400002309.oe.1 | -2.04 | -1.03 | 2.04 | down | 3.90 | 4.92 | RP11-269F2 NONCODE c Inc-TIFA-2:1 NONHSAT0 chr4 | 111826881 | 112072698 | - |

| | | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|----------------------------|-----------------------|------|-----------|-----------|---|
| TC0400002344.oe.1 | 2.65 | 1.40 | 2.65 | up | 8.52 | 7.12 | Inc-PRSS12- NONCODE | Inc-PRSS12- NONHSAT0 | chr4 | 118738104 | 118739223 | - |
| TC0400002494.oe.1 | -2.48 | -1.31 | 2.48 | down | 3.00 | 4.31 | Inc-GYPE-1 NONCODE | Inc-GYPE-1: NONHSAT0 | chr4 | 143817789 | 143829352 | - |
| TC0400002509.oe.1 | -2.77 | -1.47 | 2.77 | down | 10.92 | 12.39 | Inc-OTUD4- LNCipedia | Inc-OTUD4- --- | chr4 | 145399817 | 145400043 | - |
| TC0400002520.oe.1 | 2.16 | 1.11 | 2.16 | up | 8.71 | 7.60 | Inc-SLC10A7 LNCipedia | Inc-SLC10A7 NONHSAT0 | chr4 | 145870301 | 145892415 | - |
| TC0400002521.oe.1 | 2.23 | 1.16 | 2.23 | up | 5.63 | 4.48 | Inc-SLC10A7 NONCODE | Inc-SLC10A7 NONHSAT0 | chr4 | 145876496 | 145885748 | - |
| TC0400002586.oe.1 | -2.25 | -1.17 | 2.25 | down | 7.80 | 8.97 | Inc-FGA-1 LNCipedia | Inc-FGA-1:1 NONHSAT0 | chr4 | 154608508 | 154609691 | - |
| TC0400002616.oe.1 | 2.41 | 1.27 | 2.41 | up | 7.43 | 6.16 | Inc-C4orf46 LNCipedia | Inc-C4orf46: NONHSAT0 | chr4 | 158130800 | 158173023 | - |
| TC0400002645.oe.1 | 2.37 | 1.25 | 2.37 | up | 5.11 | 3.86 | Inc-TMEM19 LNCipedia | Inc-TMEM19 --- | chr4 | 165070608 | 165071004 | - |
| TC0400002654.oe.1 | -2.20 | -1.14 | 2.20 | down | 5.74 | 6.88 | Inc-DDX60- NONCODE | Inc-DDX60- NONHSAT0 | chr4 | 167922865 | 167925989 | - |
| TC0400002656.oe.1 | 2.10 | 1.07 | 2.10 | up | 5.55 | 4.48 | Inc-DDX60L LNCipedia | Inc-DDX60L NONHSAT0 | chr4 | 168236029 | 168237488 | - |
| TC04000083.hg.4 | 2.01 | 1.01 | 2.01 | up | 7.39 | 6.38 | AFAP1-AS1 AFAP1 antisense | --- | chr4 | 7754090 | 7778927 | + |
| TC04001655.hg.4 | 2.16 | 1.11 | 2.16 | up | 9.72 | 8.61 | ANXA2P1 annexin A2 protein | --- | chr4 | 153307469 | 153308811 | - |
| TC0500000022.oe.1 | -3.56 | -1.83 | 3.56 | down | 8.05 | 9.88 | Inc-EXOC3- LNCipedia | Inc-EXOC3- NONHSAT0 | chr5 | 649317 | 651579 | + |
| TC0500000221.oe.1 | 2.41 | 1.27 | 2.41 | up | 11.03 | 9.76 | Inc-FBXL7-5 LNCipedia | Inc-FBXL7-5 NONHSAT1 | chr5 | 15451996 | 15452553 | + |
| TC0500000407.oe.1 | -2.21 | -1.14 | 2.21 | down | 5.57 | 6.72 | Inc-ZNF131 NONCODE | Inc-ZNF131 NONHSAT1 | chr5 | 43054729 | 43055305 | + |
| TC0500000453.oe.1 | -2.57 | -1.36 | 2.57 | down | 3.78 | 5.14 | Inc-ITGA1-4 LNCipedia | Inc-ITGA1-4 NONHSAT1 | chr5 | 52931152 | 52959207 | + |
| TC0500000561.oe.1 | -3.28 | -1.71 | 3.28 | down | 9.10 | 10.81 | Inc-SREK1-8 LNCipedia | Inc-SREK1-8 NONHSAT1 | chr5 | 66022872 | 66024373 | + |
| TC0500000562.oe.1 | -2.05 | -1.04 | 2.05 | down | 7.43 | 8.47 | Inc-SREK1-7 LNCipedia | Inc-SREK1-7 NONHSAT1 | chr5 | 66025306 | 66025977 | + |
| TC0500000574.oe.1 | 2.00 | 1.00 | 2.00 | up | 5.67 | 4.67 | Inc-SREK1-1 NONCODE | Inc-SREK1-1 NONHSAT1 | chr5 | 67142164 | 67143020 | + |
| TC0500000644.oe.1 | -2.60 | -1.38 | 2.60 | down | 4.46 | 5.84 | Inc-FCHO2- LNCipedia | Inc-FCHO2- NONHSAT1 | chr5 | 72869728 | 72872332 | + |
| TC0500000684.oe.1 | -3.00 | -1.59 | 3.00 | down | 5.30 | 6.89 | Inc-ANKDD1 LNCipedia | Inc-ANKDD1 NONHSAT1 | chr5 | 75597114 | 75598040 | + |
| TC0500000727.oe.1 | 2.22 | 1.15 | 2.22 | up | 7.99 | 6.84 | Inc-BHMT-1 LNCipedia | Inc-BHMT-1 NONHSAT1 | chr5 | 79082392 | 79083198 | + |
| TC0500000761.oe.1 | -2.23 | -1.16 | 2.23 | down | 2.86 | 4.01 | Inc-ZCCHC9 LNCipedia | Inc-ZCCHC9 NONHSAT1 | chr5 | 81318174 | 81319269 | + |
| TC0500000906.oe.1 | -3.93 | -1.97 | 3.93 | down | 5.25 | 7.22 | Inc-CTD-22 NONCODE | Inc-CTD-22 NONHSAT1 | chr5 | 97035882 | 97037510 | + |
| TC0500000941.oe.1 | -2.75 | -1.46 | 2.75 | down | 7.45 | 8.91 | Inc-C5orf30 LNCipedia | Inc-C5orf30 NONHSAT1 | chr5 | 103173254 | 103174191 | + |
| TC0500000942.oe.1 | -2.32 | -1.21 | 2.32 | down | 3.77 | 4.99 | Inc-C5orf30 NONCODE | Inc-C5orf30 NONHSAT1 | chr5 | 103184243 | 103191058 | + |
| TC0500000962.oe.1 | -2.03 | -1.02 | 2.03 | down | 5.70 | 6.73 | Inc-MAN2A NONCODE | Inc-MAN2A NONHSAT1 | chr5 | 108748399 | 108832820 | + |
| TC0500001054.oe.1 | -2.08 | -1.06 | 2.08 | down | 4.72 | 5.78 | Inc-TNFAIP8 LNCipedia | Inc-TNFAIP8 NONHSAT1 | chr5 | 119197758 | 119206892 | + |
| TC0500001070.oe.1 | -2.16 | -1.11 | 2.16 | down | 7.85 | 8.96 | Inc-SNX24-1 LNCipedia | Inc-SNX24-1 NONHSAT1 | chr5 | 122803494 | 122808711 | + |
| TC0500001127.oe.1 | -2.96 | -1.57 | 2.96 | down | 9.21 | 10.78 | Inc-SLC27A6 LNCipedia | Inc-SLC27A6 NONHSAT1 | chr5 | 128186798 | 128187086 | + |
| TC0500001138.oe.1 | -2.06 | -1.04 | 2.06 | down | 5.88 | 6.93 | Inc-LYRM7-1 LNCipedia | Inc-LYRM7-1 NONHSAT1 | chr5 | 131204459 | 131205427 | + |
| TC0500001207.oe.1 | 2.92 | 1.54 | 2.92 | up | 4.92 | 3.37 | Inc-CATSPEF LNCipedia | Inc-CATSPEF NONHSAT1 | chr5 | 135265437 | 135267895 | + |
| TC0500001263.oe.1 | -2.79 | -1.48 | 2.79 | down | 3.86 | 5.34 | Inc-PAIP2-2 LNCipedia | Inc-PAIP2-2 --- | chr5 | 139309812 | 139310433 | + |
| TC0500001278.oe.1 | -3.26 | -1.71 | 3.26 | down | 4.53 | 6.23 | Inc-PURA-2 NONCODE | Inc-PURA-2: NONHSAT1 | chr5 | 140117258 | 140122167 | + |
| TC0500001282.oe.1 | -2.51 | -1.33 | 2.51 | down | 3.50 | 4.83 | Inc-IGIP-2// NONCODE | Inc-IGIP-2:1 NONHSAT1 | chr5 | 140200163 | 140203187 | + |
| TC0500001365.oe.1 | -2.60 | -1.38 | 2.60 | down | 4.37 | 5.76 | Inc-POU4F3 LNCipedia | Inc-POU4F3 --- | chr5 | 146463010 | 146463380 | + |
| TC0500001390.oe.1 | 2.72 | 1.45 | 2.72 | up | 6.79 | 5.34 | Inc-AFAP1L1 LNCipedia | Inc-AFAP1L1 NONHSAT1 | chr5 | 149183549 | 149200620 | + |
| TC0500001392.oe.1 | 2.19 | 1.13 | 2.19 | up | 6.69 | 5.56 | Inc-AFAP1L1 LNCipedia | Inc-AFAP1L1 NONHSAT1 | chr5 | 149252344 | 149258574 | + |
| TC0500001420.oe.1 | 2.07 | 1.05 | 2.07 | up | 6.43 | 5.38 | Inc-IRGM-3 LNCipedia | Inc-IRGM-3: NONHSAT1 | chr5 | 151020592 | 151027490 | + |
| TC0500001504.oe.1 | -2.73 | -1.45 | 2.73 | down | 2.85 | 4.30 | Inc-PTTG1-5 NONCODE | Inc-PTTG1-5 NONHSAT1 | chr5 | 160447681 | 160448341 | + |
| TC0500001778.oe.1 | 2.28 | 1.19 | 2.28 | up | 8.43 | 7.24 | Inc-ZDHHC1 LNCipedia | Inc-ZDHHC1 NONHSAT0 | chr5 | 767397 | 768931 | - |
| TC0500001827.oe.1 | 2.06 | 1.04 | 2.06 | up | 4.62 | 3.58 | Inc-MED10- NONCODE | Inc-MED10- NONHSAT1 | chr5 | 5395972 | 5396335 | - |
| TC0500002075.oe.1 | -2.29 | -1.20 | 2.29 | down | 3.29 | 4.48 | Inc-PRLR-1 LNCipedia | Inc-PRLR-1: NONHSAT1 | chr5 | 35318218 | 35318651 | - |
| TC0500002096.oe.1 | -2.46 | -1.30 | 2.46 | down | 3.38 | 4.68 | Inc-NUP155 LNCipedia | Inc-NUP155 NONHSAT1 | chr5 | 37169532 | 37176099 | - |
| TC0500002097.oe.1 | -2.03 | -1.02 | 2.03 | down | 3.58 | 4.60 | Inc-NUP155 LNCipedia | Inc-NUP155 NONHSAT1 | chr5 | 37246175 | 37246479 | - |
| TC0500002113.oe.1 | 2.42 | 1.28 | 2.42 | up | 7.54 | 6.26 | Inc-AC09143 NONCODE | Inc-AC09143 NONHSAT1 | chr5 | 38485597 | 38489245 | - |
| TC0500002122.oe.1 | -2.17 | -1.12 | 2.17 | down | 7.60 | 8.72 | Inc-FYB-3 NONCODE | Inc-FYB-3:1 NONHSAT1 | chr5 | 38962951 | 38971961 | - |
| TC0500002123.oe.1 | 2.07 | 1.05 | 2.07 | up | 6.56 | 5.51 | Inc-FYB-1 NONCODE | Inc-FYB-1:1 NONHSAT1 | chr5 | 39105224 | 39105755 | - |
| TC0500002128.oe.1 | 2.04 | 1.03 | 2.04 | up | 8.59 | 7.56 | Inc-FYB-2 LNCipedia | Inc-FYB-2:1 NONHSAT1 | chr5 | 39374745 | 39376042 | - |

| | | | | | | | | | | |
|-------------------|-------|-------|-------|------|-------|-------|----------------------------|--------------------------------|-----------|-------------|
| TC0500002178.oe.1 | -2.40 | -1.26 | 2.40 | down | 3.09 | 4.36 | Inc-EMB-6 LNCipedia | lc Inc-EMB-6:1 NONHSAT1(chr5 | 50403256 | 50443248 - |
| TC0500002204.oe.1 | 2.94 | 1.56 | 2.94 | up | 7.56 | 6.00 | Inc-RP11-45 uncharacteri | Inc-RP11-45 NONHSAT1(chr5 | 54660158 | 54744258 - |
| TC0500002219.oe.1 | -2.24 | -1.16 | 2.24 | down | 10.01 | 11.17 | Inc-ANKRD5 LNCipedia | lc Inc-ANKRD5 NONHSAT1(chr5 | 55936653 | 55939493 - |
| TC0500002221.oe.1 | -2.03 | -1.02 | 2.03 | down | 11.03 | 12.05 | Inc-ANKRD5 LNCipedia | lc Inc-ANKRD5 NONHSAT1(chr5 | 55955980 | 55960480 - |
| TC0500002229.oe.1 | -2.07 | -1.05 | 2.07 | down | 10.49 | 11.54 | Inc-CTC-23(LNCipedia | lc Inc-CTC-23(--- chr5 | 56488360 | 56493753 - |
| TC0500002244.oe.1 | 4.04 | 2.02 | 4.04 | up | 10.89 | 8.87 | Inc-CTD-21: NONCODE | cl Inc-CTD-21: NONHSAT1(chr5 | 58453985 | 58460086 - |
| TC0500002245.oe.1 | 5.46 | 2.45 | 5.46 | up | 13.01 | 10.56 | Inc-CTD-21: NONCODE | cl Inc-CTD-21: NONHSAT1(chr5 | 58454706 | 58455116 - |
| TC0500002336.oe.1 | -3.31 | -1.73 | 3.31 | down | 4.28 | 6.01 | Inc-TAF9-9 LNCipedia | lc Inc-TAF9-9: NONHSAT1(chr5 | 70132532 | 70134832 - |
| TC0500002377.oe.1 | 2.24 | 1.16 | 2.24 | up | 6.43 | 5.26 | Inc-ZNF366 LNCipedia | lc Inc-ZNF366: NONHSAT1(chr5 | 73552531 | 73554430 - |
| TC0500002553.oe.1 | -2.58 | -1.37 | 2.58 | down | 6.88 | 8.25 | Inc-AC0273: NONCODE | cl Inc-AC0273: NONHSAT1(chr5 | 91370798 | 91373845 - |
| TC0500002575.oe.1 | -3.33 | -1.74 | 3.33 | down | 5.61 | 7.34 | Inc-SPATA9 LNCipedia | lc Inc-SPATA9: NONHSAT1(chr5 | 95503850 | 95513000 - |
| TC0500002576.oe.1 | -2.12 | -1.08 | 2.12 | down | 6.83 | 7.92 | Inc-SPATA9 LNCipedia | lc Inc-SPATA9: NONHSAT1(chr5 | 95513132 | 95516768 - |
| TC0500002577.oe.1 | -2.32 | -1.22 | 2.32 | down | 6.28 | 7.50 | Inc-SPATA9 NONCODE | cl Inc-SPATA9: NONHSAT1(chr5 | 95528013 | 95537107 - |
| TC0500002578.oe.1 | -3.65 | -1.87 | 3.65 | down | 8.16 | 10.02 | Inc-SPATA9 LNCipedia | lc Inc-SPATA9: NONHSAT1(chr5 | 95546974 | 95550757 - |
| TC0500002608.oe.1 | -2.22 | -1.15 | 2.22 | down | 7.21 | 8.36 | Inc-RIOK2-6 LNCipedia | lc Inc-RIOK2-6 NONHSAT1(chr5 | 98856425 | 98858664 - |
| TC0500002610.oe.1 | -2.64 | -1.40 | 2.64 | down | 7.39 | 8.79 | Inc-RIOK2-8 NONCODE | cl Inc-RIOK2-8 NONHSAT1(chr5 | 98881247 | 98888186 - |
| TC0500002611.oe.1 | -2.50 | -1.32 | 2.50 | down | 5.33 | 6.65 | Inc-RIOK2-9 LNCipedia | lc Inc-RIOK2-9 --- chr5 | 98896941 | 98897293 - |
| TC0500002613.oe.1 | -3.01 | -1.59 | 3.01 | down | 7.45 | 9.04 | Inc-RIOK2-1 LNCipedia | lc Inc-RIOK2-1 NONHSAT1(chr5 | 98901151 | 98926517 - |
| TC0500002705.oe.1 | -2.25 | -1.17 | 2.25 | down | 5.83 | 7.00 | Inc-PGGT1B NONCODE | cl Inc-PGGT1B NONHSAT1(chr5 | 115275339 | 115296623 - |
| TC0500002861.oe.1 | -2.41 | -1.27 | 2.41 | down | 3.27 | 4.54 | Inc-FSTL4-4 NONCODE | cl Inc-FSTL4-4 NONHSAT1(chr5 | 133720495 | 133720934 - |
| TC0500002877.oe.1 | 2.68 | 1.42 | 2.68 | up | 8.28 | 6.86 | Inc-CTC-34(LNCipedia | lc Inc-CTC-34(NONHSAT1(chr5 | 135029287 | 135032010 - |
| TC0500003031.oe.1 | 36.21 | 5.18 | 36.21 | up | 8.90 | 3.72 | Inc-JAKMIP2 NONCODE | cl Inc-JAKMIP2 NONHSAT1(chr5 | 147824572 | 147828130 - |
| TC0500003141.oe.1 | -2.26 | -1.17 | 2.26 | down | 3.99 | 5.16 | Inc-CLINT1 NONCODE | cl Inc-CLINT1 NONHSAT1(chr5 | 157945315 | 157951960 - |
| TC0500003297.oe.1 | 2.15 | 1.10 | 2.15 | up | 8.42 | 7.31 | Inc-HK3-3 NONCODE | cl Inc-HK3-3:1 NONHSAT1(chr5 | 176975416 | 176980276 - |
| TC05000111.hg.4 | 2.21 | 1.14 | 2.21 | up | 3.61 | 2.46 | PMCHL1 pro-melanin --- | --- chr5 | 22142352 | 22152555 + |
| TC05000127.hg.4 | -2.36 | -1.24 | 2.36 | down | 3.58 | 4.82 | LSP1P3 lymphocyte --- | --- chr5 | 28926870 | 28927313 + |
| TC05000462.hg.4 | -2.44 | -1.28 | 2.44 | down | 3.43 | 4.72 | C5orf27 chromosome --- | --- chr5 | 95852232 | 95860133 + |
| TC05001554.hg.4 | 2.09 | 1.06 | 2.09 | up | 4.00 | 2.94 | SCARNA18 small Cajal b --- | --- chr5 | 83064204 | 83064337 - |
| TC0600000025.oe.1 | 3.10 | 1.63 | 3.10 | up | 7.69 | 6.06 | Inc-AL0333(NONCODE | cl Inc-AL0333(NONHSAT1(chr6 | 861046 | 863352 + |
| TC0600000140.oe.1 | 2.08 | 1.06 | 2.08 | up | 5.76 | 4.70 | Inc-BPHL-1 LNCipedia | lc Inc-BPHL-1: --- chr6 | 3156308 | 3157544 + |
| TC0600000205.oe.1 | -2.09 | -1.07 | 2.09 | down | 2.96 | 4.02 | Inc-C6orf20: NONCODE | cl Inc-C6orf20: NONHSAT1(chr6 | 4312514 | 4328826 + |
| TC0600000261.oe.1 | 2.02 | 1.01 | 2.02 | up | 8.08 | 7.06 | Inc-DSP-2 NONCODE | cl Inc-DSP-2:1 NONHSAT1(chr6 | 7506203 | 7506549 + |
| TC0600000379.oe.1 | 2.34 | 1.23 | 2.34 | up | 13.73 | 12.50 | Inc-SOX4-2 LNCipedia | lc Inc-SOX4-2: NONHSAT1(chr6 | 21597430 | 21598619 + |
| TC0600000430.oe.1 | 2.25 | 1.17 | 2.25 | up | 5.92 | 4.76 | Inc-HIST1H3 LNCipedia | lc Inc-HIST1H3 --- chr6 | 26022061 | 26022589 + |
| TC0600000537.oe.1 | 2.12 | 1.09 | 2.12 | up | 5.26 | 4.18 | Inc-TRIM40 NONCODE | cl Inc-TRIM40 NONHSAT1(chr6 | 30170313 | 30171097 + |
| TC0600000691.oe.1 | -2.33 | -1.22 | 2.33 | down | 3.28 | 4.50 | OTTHUMG0(LNCipedia | lc Inc-KCTD20 NONHSAT1(chr6 | 36386831 | 36393462 + |
| TC0600000900.oe.1 | -2.70 | -1.43 | 2.70 | down | 4.78 | 6.21 | Inc-BAG2-8 LNCipedia | lc Inc-BAG2-8: NONHSAT1(chr6 | 57160808 | 57168833 + |
| TC0600001011.oe.1 | -2.34 | -1.23 | 2.34 | down | 2.72 | 3.95 | Inc-MYO6-8 LNCipedia | lc Inc-MYO6-8 --- chr6 | 76579170 | 76650342 + |
| TC0600001127.oe.1 | -2.23 | -1.16 | 2.23 | down | 6.05 | 7.21 | Inc-GJA10-1 LNCipedia | lc Inc-GJA10-1 NONHSAT1(chr6 | 90672453 | 90688912 + |
| TC0600001209.oe.1 | 2.96 | 1.56 | 2.96 | up | 6.18 | 4.61 | Inc-AIM1-4 LNCipedia | lc Inc-AIM1-4: NONHSAT1(chr6 | 106088354 | 106096167 + |
| TC0600001290.oe.1 | -2.29 | -1.19 | 2.29 | down | 2.83 | 4.03 | Inc-WISP3-2 NONCODE | cl Inc-WISP3-2 NONHSAT1(chr6 | 111873664 | 111876523 + |
| TC0600001304.oe.1 | 2.06 | 1.04 | 2.06 | up | 4.05 | 3.01 | Inc-MARCK(LNCipedia | lc Inc-MARCK(--- chr6 | 113291211 | 113304369 + |
| TC0600001414.oe.1 | 2.07 | 1.05 | 2.07 | up | 4.21 | 3.15 | Inc-L3MBTL(NONCODE | cl Inc-L3MBTL(NONHSAT1(chr6 | 129490683 | 129502672 + |
| TC0600001488.oe.1 | 5.31 | 2.41 | 5.31 | up | 11.34 | 8.93 | Inc-KIAA124 LNCipedia | lc Inc-KIAA124 NONHSAT1(chr6 | 137874861 | 137875744 + |
| TC0600001524.oe.1 | 2.57 | 1.36 | 2.57 | up | 4.48 | 3.12 | Inc-VTA1-3 NONCODE | cl Inc-VTA1-3: NONHSAT1(chr6 | 142402778 | 142404246 + |
| TC0600001579.oe.1 | 2.15 | 1.11 | 2.15 | up | 6.00 | 4.90 | Inc-SAMD5 LNCipedia | lc Inc-SAMD5 --- chr6 | 147245336 | 147245815 + |
| TC0600001583.oe.1 | -2.01 | -1.01 | 2.01 | down | 8.49 | 9.49 | Inc-STXBP5 LNCipedia | lc Inc-STXBP5 NONHSAT1(chr6 | 147565729 | 147566713 + |
| TC0600001593.oe.1 | -2.21 | -1.14 | 2.21 | down | 3.45 | 4.59 | Inc-SUMO4 LNCipedia | lc Inc-SUMO4 NONHSAT1(chr6 | 149383833 | 149385871 + |
| TC0600001610.oe.1 | 2.59 | 1.37 | 2.59 | up | 6.55 | 5.18 | Inc-PLEKHG(NONCODE | cl Inc-PLEKHG(NONHSAT1(chr6 | 150934968 | 150935566 + |

| | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|---------------------------|--------------------------------|-----------|-----------|---|
| TC0600001614.oe.1 | -2.08 | -1.06 | 2.08 | down | 3.91 | 4.97 | Inc-AKAP12- LNCipedia | lc Inc-AKAP12- NONHSAT1: chr6 | 151391544 | 151404853 | + |
| TC0600001703.oe.1 | 2.02 | 1.01 | 2.02 | up | 6.36 | 5.35 | Inc-SLC22A3- LNCipedia | lc Inc-SLC22A3- NONHSAT1: chr6 | 160272617 | 160276130 | + |
| TC0600001704.oe.1 | -2.51 | -1.33 | 2.51 | down | 3.92 | 5.25 | Inc-SLC22A1 LNCipedia | lc Inc-SLC22A1 NONHSAT1: chr6 | 160403634 | 160404866 | + |
| TC0600001723.oe.1 | -2.65 | -1.41 | 2.65 | down | 3.82 | 5.23 | Inc-PACRG- LNCipedia | lc Inc-PACRG- --- chr6 | 163506573 | 163508155 | + |
| TC0600002185.oe.1 | -2.22 | -1.15 | 2.22 | down | 13.97 | 15.13 | Inc-FAM65B LNCipedia | lc Inc-FAM65B --- chr6 | 25161606 | 25165052 | - |
| TC0600002275.oe.1 | -2.14 | -1.10 | 2.14 | down | 3.71 | 4.81 | Inc-ZFP57-1 LNCipedia | lc Inc-ZFP57-1 --- chr6 | 29751965 | 29752207 | - |
| TC0600002286.oe.1 | 2.16 | 1.11 | 2.16 | up | 7.31 | 6.19 | Inc-TRIM31- NONCODE | cl Inc-TRIM31- NONHSAT1: chr6 | 30102897 | 30108199 | - |
| TC0600002287.oe.1 | 4.48 | 2.16 | 4.48 | up | 9.34 | 7.18 | Inc-RNF39- LNCipedia | lc Inc-RNF39- LNONHSAT1: chr6 | 30111218 | 30112475 | - |
| TC0600002336.oe.1 | 2.11 | 1.08 | 2.11 | up | 6.83 | 5.75 | Inc-C6orf47- LNCipedia | lc Inc-C6orf47- NONHSAT1: chr6 | 31644494 | 31645185 | - |
| TC0600002352.oe.1 | 2.02 | 1.01 | 2.02 | up | 7.21 | 6.20 | Inc-DOM3Z- LNCipedia | lc Inc-DOM3Z- NONHSAT1: chr6 | 31952227 | 31959038 | - |
| TC0600002512.oe.1 | 2.19 | 1.13 | 2.19 | up | 11.12 | 9.99 | Inc-YIPF3-3 NONCODE | cl Inc-YIPF3-3: NONHSAT1: chr6 | 43547686 | 43548470 | - |
| TC0600002543.oe.1 | 2.54 | 1.35 | 2.54 | up | 4.62 | 3.27 | Inc-GPR110- LNCipedia | lc Inc-GPR110- --- chr6 | 46866255 | 46869117 | - |
| TC0600002546.oe.1 | 2.03 | 1.02 | 2.03 | up | 5.82 | 4.80 | Inc-GPR116- NONCODE | cl Inc-GPR116- NONHSAT1: chr6 | 47016617 | 47042270 | - |
| TC0600002585.oe.1 | -2.04 | -1.03 | 2.04 | down | 12.76 | 13.79 | Inc-GCLC-2 LNCipedia | lc Inc-GCLC-2: --- chr6 | 53490296 | 53490693 | - |
| TC0600002840.oe.1 | -2.35 | -1.23 | 2.35 | down | 2.94 | 4.17 | Inc-ASCC3- LNCipedia | lc Inc-ASCC3- LNONHSAT1: chr6 | 101452964 | 101454237 | - |
| TC0600002850.oe.1 | -2.09 | -1.07 | 2.09 | down | 3.37 | 4.44 | RP11-809N1 LNCipedia | lc Inc-BVES-2: --- chr6 | 104831129 | 104845820 | - |
| TC0600002903.oe.1 | 2.03 | 1.02 | 2.03 | up | 8.93 | 7.91 | Inc-SLC22A1 LNCipedia | lc Inc-SLC22A1 NONHSAT1: chr6 | 110706362 | 110706882 | - |
| TC0600002984.oe.1 | -2.24 | -1.16 | 2.24 | down | 3.35 | 4.51 | Inc-C6orf17 LNCipedia | lc Inc-C6orf17: --- chr6 | 120344730 | 120356967 | - |
| TC0600003077.oe.1 | -2.39 | -1.26 | 2.39 | down | 3.97 | 5.23 | Inc-ALDH8A LNCipedia | lc Inc-ALDH8A NONHSAT1: chr6 | 135032228 | 135033747 | - |
| TC0600003090.oe.1 | -2.00 | -1.00 | 2.00 | down | 5.86 | 6.86 | Inc-FAM54A NONCODE | cl Inc-FAM54A NONHSAT1: chr6 | 136260746 | 136273550 | - |
| TC0600003115.oe.1 | -2.15 | -1.10 | 2.15 | down | 3.26 | 4.37 | Inc-PERP-5 LNCipedia | lc Inc-PERP-5: --- chr6 | 137908360 | 137908573 | - |
| TC0600003140.oe.1 | -2.14 | -1.10 | 2.14 | down | 3.34 | 4.44 | Inc-NMBR- LNCipedia | lc Inc-NMBR- LNONHSAT1: chr6 | 142058330 | 142075922 | - |
| TC0600003146.oe.1 | 2.01 | 1.01 | 2.01 | up | 8.63 | 7.62 | Inc-ADAT2- LNONCODE | cl Inc-ADAT2- NONHSAT1: chr6 | 142779543 | 142837047 | - |
| TC0600003256.oe.1 | -2.73 | -1.45 | 2.73 | down | 4.07 | 5.52 | Inc-SERAC1- NONCODE | cl Inc-SERAC1- NONHSAT1: chr6 | 157310590 | 157312707 | - |
| TC0600003285.oe.1 | -2.05 | -1.04 | 2.05 | down | 2.84 | 3.88 | Inc-SOD2-7 LNCipedia | lc Inc-SOD2-7 --- chr6 | 159559297 | 159560091 | - |
| TC0600003289.oe.1 | 2.16 | 1.11 | 2.16 | up | 11.88 | 10.76 | Inc-TCP1-5 LNCipedia | lc Inc-TCP1-5: NONHSAT1: chr6 | 159682610 | 159692650 | - |
| TC0600003306.oe.1 | -2.65 | -1.41 | 2.65 | down | 3.24 | 4.65 | Inc-LPA-2 LNCipedia | lc Inc-LPA-2:1 NONHSAT1: chr6 | 160815550 | 160817351 | - |
| TC0600003340.oe.1 | 2.01 | 1.00 | 2.01 | up | 4.14 | 3.13 | Inc-C6orf11 LNCipedia | lc Inc-C6orf11: NONHSAT1: chr6 | 165327486 | 165328978 | - |
| TC0600003425.oe.1 | 2.20 | 1.14 | 2.20 | up | 6.29 | 5.15 | Inc-PSMB1- LNCipedia | lc Inc-PSMB1- NONHSAT1: chr6 | 170575594 | 170576937 | - |
| TC06002076.hg.4 | -2.09 | -1.07 | 2.09 | down | 3.21 | 4.28 | STL//RP11-5 novel transcr | --- --- chr6 | 124908246 | 124963039 | - |
| TC06002292.hg.4 | -2.39 | -1.26 | 2.39 | down | 3.76 | 5.02 | CAHM colon adeno | --- --- chr6 | 163413065 | 163413950 | - |
| TC06004094.hg.4 | -2.06 | -1.04 | 2.06 | down | 2.62 | 3.66 | C6orf164 chromosome | --- --- chr6 | 87382002 | 87399749 | + |
| TC0700000182.oe.1 | -2.10 | -1.07 | 2.10 | down | 3.30 | 4.37 | Inc-AHR-5 NONCODE | cl Inc-AHR-5:1 NONHSAT1: chr7 | 17080598 | 17082573 | + |
| TC0700000183.oe.1 | -2.26 | -1.17 | 2.26 | down | 13.83 | 15.00 | Inc-TSPAN1 LNCipedia | lc Inc-TSPAN1: NONHSAT1: chr7 | 17329858 | 17333950 | + |
| TC0700000214.oe.1 | 2.06 | 1.04 | 2.06 | up | 6.03 | 4.99 | Inc-ABCB5- LNCipedia | lc Inc-ABCB5- LNONHSAT1: chr7 | 20588990 | 20590085 | + |
| TC0700000260.oe.1 | -2.53 | -1.34 | 2.53 | down | 3.51 | 4.85 | Inc-NPY-2 LNCipedia | lc Inc-NPY-2:1 --- chr7 | 24654726 | 24654954 | + |
| TC0700000282.oe.1 | 2.28 | 1.19 | 2.28 | up | 7.11 | 5.92 | Inc-C7orf71- NONCODE | cl Inc-C7orf71- NONHSAT1: chr7 | 26667384 | 26668467 | + |
| TC0700000302.oe.1 | -2.29 | -1.20 | 2.29 | down | 7.34 | 8.54 | Inc-EVX1-2 LNONCODE | cl Inc-EVX1-2: NONHSAT1: chr7 | 27769678 | 27772539 | + |
| TC0700000395.oe.1 | -2.33 | -1.22 | 2.33 | down | 14.51 | 15.73 | Inc-EEP1- LNONCODE | cl Inc-EEP1- LNONHSAT1: chr7 | 36403493 | 36417148 | + |
| TC0700000454.oe.1 | 2.00 | 1.00 | 2.00 | up | 6.25 | 5.25 | Inc-STK17A- NONCODE | cl Inc-STK17A- NONHSAT1: chr7 | 43479608 | 43484615 | + |
| TC0700000473.oe.1 | 2.30 | 1.20 | 2.30 | up | 5.45 | 4.24 | Inc-PPIA-5 NONCODE | cl Inc-PPIA-5:1 NONHSAT1: chr7 | 44756188 | 44756992 | + |
| TC0700000557.oe.1 | 2.06 | 1.04 | 2.06 | up | 9.38 | 8.34 | Inc-EGFR-2 LNCipedia | lc Inc-EGFR-2: NONHSAT1: chr7 | 55428056 | 55431406 | + |
| TC0700000649.oe.1 | 2.27 | 1.18 | 2.27 | up | 5.43 | 4.25 | Inc-ZNF138- LNCipedia | lc Inc-ZNF138- NONHSAT1: chr7 | 64681133 | 64686885 | + |
| TC0700000693.oe.1 | 2.22 | 1.15 | 2.22 | up | 6.31 | 5.15 | Inc-TYW1-1 LNCipedia | lc Inc-TYW1-1 NONHSAT1: chr7 | 66995173 | 66998855 | + |
| TC0700000819.oe.1 | -2.55 | -1.35 | 2.55 | down | 7.76 | 9.11 | Inc-RSBN1L- LNCipedia | lc Inc-RSBN1L- NONHSAT1: chr7 | 77940199 | 77954894 | + |
| TC0700000833.oe.1 | -2.13 | -1.09 | 2.13 | down | 5.34 | 6.43 | Inc-CD36-3 LNCipedia | lc Inc-CD36-3: NONHSAT1: chr7 | 80218678 | 80219288 | + |
| TC0700000936.oe.1 | -2.47 | -1.30 | 2.47 | down | 6.64 | 7.94 | Inc-DYNC1L- NONCODE | cl Inc-DYNC1L: NONHSAT1: chr7 | 96117188 | 96121442 | + |
| TC0700001023.oe.1 | 2.62 | 1.39 | 2.62 | up | 9.89 | 8.51 | Inc-TRIP6-3 NONCODE | cl Inc-TRIP6-3: NONHSAT1: chr7 | 100887002 | 100887496 | + |
| TC0700001033.oe.1 | 3.69 | 1.88 | 3.69 | up | 11.50 | 9.62 | Inc-AP1S1-1 LNCipedia | lc Inc-AP1S1-1 NONHSAT1: chr7 | 101127105 | 101128534 | + |

| | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|------------------------------|-----------------------------|-----------|-----------|---|
| TC0700001098.oe.1 | -2.64 | -1.40 | 2.64 | down | 2.34 | 3.74 | Inc-GPR22-1 NONCODE c | Inc-GPR22-1 NONHSAT1: chr7 | 107470018 | 107471549 | + |
| TC0700001149.oe.1 | -2.03 | -1.02 | 2.03 | down | 7.83 | 8.85 | Inc-CAPZA2 LNCipedia lc | Inc-CAPZA2 NONHSAT1: chr7 | 116736098 | 116736353 | + |
| TC0700001228.oe.1 | 2.00 | 1.00 | 2.00 | up | 8.38 | 7.38 | Inc-FSCN3-2 LNCipedia lc | Inc-FSCN3-2 NONHSAT1: chr7 | 127652181 | 127652422 | + |
| TC0700001294.oe.1 | -3.71 | -1.89 | 3.71 | down | 3.74 | 5.63 | Inc-MEST-6 LNCipedia lc | Inc-MEST-6 NONHSAT1: chr7 | 131339965 | 131344277 | + |
| TC0700001513.oe.1 | -2.02 | -1.01 | 2.02 | down | 3.44 | 4.45 | Inc-GIMAP2 LNCipedia lc | Inc-GIMAP2 NONHSAT1: chr7 | 150685697 | 150687518 | + |
| TC0700001553.oe.1 | 2.14 | 1.10 | 2.14 | up | 9.33 | 8.23 | Inc-GALNT1 NONCODE l | Inc-GALNT1 NONHSAT1: chr7 | 152783193 | 152816522 | + |
| TC0700001668.oe.1 | 2.19 | 1.13 | 2.19 | up | 10.44 | 9.31 | Inc-C7orf50 LNCipedia lc | Inc-C7orf50 NONHSAT1: chr7 | 1152908 | 1155677 | - |
| TC0700001683.oe.1 | 2.81 | 1.49 | 2.81 | up | 7.21 | 5.71 | Inc-AC0743f NONCODE c | Inc-AC0743f NONHSAT1: chr7 | 1738630 | 1742310 | - |
| TC0700001774.oe.1 | -2.54 | -1.34 | 2.54 | down | 7.10 | 8.45 | Inc-THSD7A LNCipedia lc | Inc-THSD7A NONHSAT1: chr7 | 11370435 | 11371320 | - |
| TC0700001926.oe.1 | -2.39 | -1.26 | 2.39 | down | 4.41 | 5.67 | Inc-HOXA13 LNCipedia lc | Inc-HOXA13 NONHSAT1: chr7 | 27193503 | 27195600 | - |
| TC0700001928.oe.1 | -3.47 | -1.80 | 3.47 | down | 7.08 | 8.88 | Inc-HOXA11 LNCipedia lc | Inc-HOXA11 NONHSAT1: chr7 | 27196880 | 27198353 | - |
| TC0700002081.oe.1 | 2.48 | 1.31 | 2.48 | up | 8.53 | 7.22 | Inc-TMED4- NONCODE c | Inc-TMED4- NONHSAT1: chr7 | 44565807 | 44567782 | - |
| TC0700002091.oe.1 | 2.01 | 1.01 | 2.01 | up | 10.93 | 9.92 | Inc-NACAD- LNCipedia lc | Inc-NACAD- NONHSAT1: chr7 | 45107751 | 45111697 | - |
| TC0700002096.oe.1 | -2.98 | -1.58 | 2.98 | down | 12.89 | 14.47 | Inc-AC0112f LNCipedia lc | Inc-AC0112f NONHSAT1: chr7 | 45913773 | 45915325 | - |
| TC0700002126.oe.1 | 2.11 | 1.08 | 2.11 | up | 8.83 | 7.76 | Inc-DDC-1 LNCipedia lc | Inc-DDC-1:1 NONHSAT1: chr7 | 50595470 | 50607068 | - |
| TC0700002190.oe.1 | 4.21 | 2.07 | 4.21 | up | 5.12 | 3.05 | Inc-ZNF680- LNCipedia lc | Inc-ZNF680- NONHSAT1: chr7 | 62308860 | 62313387 | - |
| TC0700002331.oe.1 | 2.02 | 1.01 | 2.02 | up | 10.08 | 9.07 | Inc-HIP1-4 LNCipedia lc | Inc-HIP1-4:1 NONHSAT1: chr7 | 75423102 | 75424809 | - |
| TC0700002332.oe.1 | 2.07 | 1.05 | 2.07 | up | 11.61 | 10.56 | Inc-HIP1-3/ LNCipedia lc | Inc-HIP1-3:1 NONHSAT1: chr7 | 75425532 | 75437668 | - |
| TC0700002383.oe.1 | 2.36 | 1.24 | 2.36 | up | 4.52 | 3.28 | Inc-CACNA2 LNCipedia lc | Inc-CACNA2 NONHSAT1: chr7 | 81946444 | 81949661 | - |
| TC0700002435.oe.1 | -2.14 | -1.10 | 2.14 | down | 6.05 | 7.15 | Inc-ERVW-1 NONCODE c | Inc-ERVW-1 NONHSAT1: chr7 | 92510865 | 92513967 | - |
| TC0700002445.oe.1 | 4.49 | 2.17 | 4.49 | up | 6.41 | 4.25 | Inc-BET1-3 LNCipedia lc | Inc-BET1-3:1 NONHSAT1: chr7 | 93886820 | 93890321 | - |
| TC0700002500.oe.1 | 2.22 | 1.15 | 2.22 | up | 8.61 | 7.46 | Inc-MCM7-1 LNCipedia lc | Inc-MCM7-1: NONHSAT1: chr7 | 100112120 | 100112896 | - |
| TC0700002555.oe.1 | 2.46 | 1.30 | 2.46 | up | 10.11 | 8.82 | Inc-NAPEPLI NONCODE c | Inc-NAPEPLI NONHSAT1: chr7 | 102926283 | 102933735 | - |
| TC0700002600.oe.1 | -2.18 | -1.12 | 2.18 | down | 2.90 | 4.02 | Inc-COG5-6 LNCipedia lc | Inc-COG5-6 --- chr7 | 106973011 | 106973828 | - |
| TC0700002632.oe.1 | 3.23 | 1.69 | 3.23 | up | 8.76 | 7.07 | Inc-IMMP2L LNCipedia lc | Inc-IMMP2L NONHSAT1: chr7 | 111778327 | 111788920 | - |
| TC0700002633.oe.1 | 2.88 | 1.52 | 2.88 | up | 7.29 | 5.76 | Inc-IMMP2L LNCipedia lc | Inc-IMMP2L NONHSAT1: chr7 | 111869460 | 111872347 | - |
| TC0700002739.oe.1 | 2.36 | 1.24 | 2.36 | up | 11.22 | 9.99 | Inc-PRRT4-1 NONCODE c | Inc-PRRT4-1 NONHSAT1: chr7 | 128335547 | 128337204 | - |
| TC0700002781.oe.1 | 2.52 | 1.33 | 2.52 | up | 8.74 | 7.41 | Inc-PLXNA4 NONCODE c | Inc-PLXNA4 NONHSAT1: chr7 | 131509069 | 131510898 | - |
| TC0700002798.oe.1 | 3.58 | 1.84 | 3.58 | up | 5.85 | 4.01 | Inc-AC0838f LNCipedia lc | Inc-AC0838f --- chr7 | 135159883 | 135160161 | - |
| TC0700002799.oe.1 | 2.18 | 1.12 | 2.18 | up | 6.55 | 5.42 | Inc-WDR91- LNCipedia lc | Inc-WDR91- NONHSAT1: chr7 | 135166344 | 135168179 | - |
| TC0700002836.oe.1 | 3.29 | 1.72 | 3.29 | up | 6.72 | 5.00 | Inc-JHDM1C NONCODE c | Inc-JHDM1C NONHSAT1: chr7 | 140057407 | 140062551 | - |
| TC07000072.hg.4 | 2.63 | 1.40 | 2.63 | up | 6.76 | 5.37 | PMS2CL PMS2 C-terr --- | --- chr7 | 6710126 | 6753862 | + |
| TC07000955.hg.4 | 2.49 | 1.32 | 2.49 | up | 6.71 | 5.39 | OR2A9P//Of olfactory rec --- | --- chr7 | 144294480 | 144300931 | + |
| TC07001275.hg.4 | -2.57 | -1.36 | 2.57 | down | 2.77 | 4.13 | DPY19L2P1 DPY19L2 pse --- | --- chr7 | 35079989 | 35186162 | - |
| TC07001735.hg.4 | 2.57 | 1.36 | 2.57 | up | 5.29 | 3.92 | EFCAB10 EF-hand cal --- | --- chr7 | 105565120 | 105600875 | - |
| TC07003333.hg.4 | 2.13 | 1.09 | 2.13 | up | 5.72 | 4.63 | NSUN5P1 NOP2/Sun d --- | --- chr7 | 75410341 | 75416786 | + |
| TC0800000101.oe.1 | 2.02 | 1.02 | 2.02 | up | 6.31 | 5.30 | Inc-MTMR9- LNCipedia lc | Inc-MTMR9- NONHSAT1: chr8 | 11256256 | 11256603 | + |
| TC0800000164.oe.1 | -3.03 | -1.60 | 3.03 | down | 6.95 | 8.56 | Inc-NAT1-5 LNCipedia lc | Inc-NAT1-5: NONHSAT1: chr8 | 17960094 | 17964770 | + |
| TC0800000165.oe.1 | -3.14 | -1.65 | 3.14 | down | 6.68 | 8.33 | Inc-NAT1-4 LNCipedia lc | Inc-NAT1-4: NONHSAT1: chr8 | 17972673 | 17986263 | + |
| TC0800000167.oe.1 | -2.17 | -1.11 | 2.17 | down | 5.51 | 6.63 | Inc-NAT1-2 NONCODE c | Inc-NAT1-2: NONHSAT1: chr8 | 18006054 | 18009665 | + |
| TC0800000168.oe.1 | -3.12 | -1.64 | 3.12 | down | 5.32 | 6.97 | Inc-NAT1-1 NONCODE c | Inc-NAT1-1: NONHSAT1: chr8 | 18013882 | 18025611 | + |
| TC0800000230.oe.1 | 2.82 | 1.49 | 2.82 | up | 6.62 | 5.13 | Inc-TNFRSF1 LNCipedia lc | Inc-TNFRSF1 NONHSAT1: chr8 | 23007839 | 23010641 | + |
| TC0800000341.oe.1 | 2.51 | 1.33 | 2.51 | up | 9.73 | 8.41 | Inc-GS1-211 NONCODE c | Inc-GS1-211 NONHSAT1: chr8 | 30545200 | 30547519 | + |
| TC0800000360.oe.1 | 2.17 | 1.12 | 2.17 | up | 5.52 | 4.40 | Inc-NRG1-3 LNCipedia lc | Inc-NRG1-3 --- chr8 | 32766125 | 32767959 | + |
| TC0800000623.oe.1 | -2.83 | -1.50 | 2.83 | down | 3.60 | 5.10 | NONHSAGO LNCipedia lc | Inc-NKAIN3 NONHSAT1: chr8 | 63215981 | 63218034 | + |
| TC0800000688.oe.1 | -2.50 | -1.32 | 2.50 | down | 2.94 | 4.26 | Inc-RP11-3f LNCipedia lc | Inc-RP11-3f NONHSAT1: chr8 | 71753355 | 71756706 | + |
| TC0800000700.oe.1 | 2.43 | 1.28 | 2.43 | up | 11.51 | 10.23 | Inc-TERF1-4 LNCipedia lc | Inc-TERF1-4 NONHSAT1: chr8 | 73321840 | 73323308 | + |
| TC0800000742.oe.1 | -2.07 | -1.05 | 2.07 | down | 9.03 | 10.08 | Inc-FAM164 LNCipedia lc | Inc-FAM164 NONHSAT1: chr8 | 78718080 | 78719760 | + |
| TC0800000803.oe.1 | 2.04 | 1.03 | 2.04 | up | 14.49 | 13.46 | Inc-OSGIN2 LNCipedia lc | Inc-OSGIN2 NONHSAT1: chr8 | 89758142 | 89769824 | + |

| | | | | | | | | | | | |
|--------------------|-------|-------|------|------|-------|-------|--------------------------|-------------------------------|-----------|-----------|---|
| TC0800000847.oe.1 | -2.16 | -1.11 | 2.16 | down | 5.96 | 7.07 | Inc-DPY19L4 LNCipedia | lc Inc-DPY19L4 NONHSAT1:chr8 | 94793492 | 94793843 | + |
| TC0800000864.oe.1 | 2.26 | 1.18 | 2.26 | up | 7.72 | 6.55 | Inc-SDC2-2 LNCipedia | lc Inc-SDC2-2: NONHSAT1:chr8 | 96330317 | 96333892 | + |
| TC0800001059.oe.1 | 2.55 | 1.35 | 2.55 | up | 6.75 | 5.40 | Inc-FER1L6- N/A//NONC | Inc-FER1L6- NONHSAT1:chr8 | 124271683 | 124277584 | + |
| TC0800001065.oe.1 | -2.32 | -1.22 | 2.32 | down | 3.38 | 4.60 | Inc-ZNF572- LNCipedia | lc Inc-ZNF572- --- chr8 | 125012451 | 125020276 | + |
| TC0800001073.oe.1 | 2.16 | 1.11 | 2.16 | up | 8.03 | 6.92 | Inc-NSMCE2 LNCipedia | lc Inc-NSMCE2 NONHSAT1:chr8 | 125432859 | 125433581 | + |
| TC0800001134.oe.1 | 5.37 | 2.42 | 5.37 | up | 9.67 | 7.24 | Inc-WISP1-5 LNCipedia | lc Inc-WISP1-5 NONHSAT1:chr8 | 133229056 | 133229697 | + |
| TC0800001297.oe.1 | -2.19 | -1.13 | 2.19 | down | 3.79 | 4.93 | Inc-C8orf42- LNCipedia | lc Inc-C8orf42- NONHSAT1:chr8 | 664622 | 670092 | - |
| TC0800001446.oe.1 | 2.19 | 1.13 | 2.19 | up | 4.43 | 3.30 | Inc-LONRF1 LNCipedia | lc Inc-LONRF1 NONHSAT1:chr8 | 12696307 | 12697273 | - |
| TC0800001488.oe.1 | -2.81 | -1.49 | 2.81 | down | 3.19 | 4.68 | RP11-108A1 N/A | --- --- chr8 | 18864681 | 18865247 | - |
| TC0800001537.oe.1 | 2.55 | 1.35 | 2.55 | up | 6.37 | 5.02 | Inc-NKX3-1- LNCipedia | lc Inc-NKX3-1- NONHSAT1:chr8 | 23678694 | 23682937 | - |
| TC0800001576.oe.1 | 2.09 | 1.07 | 2.09 | up | 5.12 | 4.05 | Inc-ZNF395- NONCODE | lc Inc-ZNF395- NONHSAT1:chr8 | 28446963 | 28490226 | - |
| TC0800001732.oe.1 | 4.85 | 2.28 | 4.85 | up | 5.48 | 3.20 | Inc-RNF170- NONCODE | lc Inc-RNF170- NONHSAT1:chr8 | 43239511 | 43240930 | - |
| TC0800001889.oe.1 | -2.46 | -1.30 | 2.46 | down | 4.82 | 6.11 | Inc-ARMC1- LNCipedia | lc Inc-ARMC1- NONHSAT1:chr8 | 65591850 | 65597752 | - |
| TC0800001902.oe.1 | -2.01 | -1.01 | 2.01 | down | 3.20 | 4.21 | Inc-MYBL1- LNCipedia | lc Inc-MYBL1- NONHSAT1:chr8 | 66419587 | 66428977 | - |
| TC0800001922.oe.1 | -2.09 | -1.06 | 2.09 | down | 4.35 | 5.41 | Inc-RP11-66 NONCODE | lc Inc-RP11-66 NONHSAT1:chr8 | 68974883 | 68976198 | - |
| TC0800001949.oe.1 | 2.30 | 1.20 | 2.30 | up | 9.54 | 8.33 | Inc-TRPA1-2 LNCipedia | lc Inc-TRPA1-2 NONHSAT1:chr8 | 71842349 | 71843413 | - |
| TC0800001951.oe.1 | 2.46 | 1.30 | 2.46 | up | 6.04 | 4.75 | Inc-MSC-3 NONCODE | lc Inc-MSC-3:1 NONHSAT1:chr8 | 72034310 | 72046545 | - |
| TC0800001997.oe.1 | 2.99 | 1.58 | 2.99 | up | 6.04 | 4.46 | Inc-MRPS28 LNCipedia | lc Inc-MRPS28 NONHSAT1:chr8 | 79764494 | 79766493 | - |
| TC0800002013.oe.1 | -2.08 | -1.06 | 2.08 | down | 4.33 | 5.38 | Inc-PAG1-1 LNCipedia | lc Inc-PAG1-1 NONHSAT1:chr8 | 80628457 | 80631612 | - |
| TC0800002118.oe.1 | -2.21 | -1.14 | 2.21 | down | 4.11 | 5.25 | CTD-2006H LNCipedia | lc Inc-RBM12B --- chr8 | 93715378 | 93716113 | - |
| TC0800002242.oe.1 | 2.60 | 1.38 | 2.60 | up | 10.86 | 9.49 | Inc-KLF10-2 NONCODE | lc Inc-KLF10-2 NONHSAT1:chr8 | 102648775 | 102653964 | - |
| TC0800002315.oe.1 | -3.06 | -1.61 | 3.06 | down | 4.37 | 5.99 | Inc-EIF3H-3 LNCipedia | lc Inc-EIF3H-3 NONHSAT1:chr8 | 115568457 | 115569020 | - |
| TC0800002317.oe.1 | 3.30 | 1.72 | 3.30 | up | 10.16 | 8.44 | NONHSAGO NONCODE | lc Inc-EIF3H-2 NONHSAT1:chr8 | 116402543 | 116403757 | - |
| TC0800002342.oe.1 | -2.17 | -1.12 | 2.17 | down | 3.24 | 4.36 | Inc-TAF2-3 NONCODE | lc Inc-TAF2-3:1 NONHSAT1:chr8 | 119572620 | 119578485 | - |
| TC0800002437.oe.1 | -2.26 | -1.18 | 2.26 | down | 3.67 | 4.85 | Inc-GSDMC- LNCipedia | lc Inc-GSDMC- --- chr8 | 129285647 | 129310432 | - |
| TC0800002444.oe.1 | 3.69 | 1.88 | 3.69 | up | 8.33 | 6.45 | Inc-GSDMC- LNCipedia | lc Inc-GSDMC- NONHSAT1:chr8 | 129706110 | 129707182 | - |
| TC0800002481.oe.1 | 2.39 | 1.26 | 2.39 | up | 11.93 | 10.67 | Inc-NDRG1- LNCipedia | lc Inc-NDRG1- NONHSAT1:chr8 | 133454853 | 133458864 | - |
| TC0800002482.oe.1 | 2.12 | 1.08 | 2.12 | up | 8.12 | 7.04 | Inc-NDRG1- NONCODE | lc Inc-NDRG1- NONHSAT1:chr8 | 133476029 | 133571926 | - |
| TC0800002621.oe.1 | 2.14 | 1.10 | 2.14 | up | 8.56 | 7.46 | Inc-SLC39A4 NONCODE | lc Inc-SLC39A4 NONHSAT1:chr8 | 144393565 | 144394761 | - |
| TC0800002624.oe.1 | 2.22 | 1.15 | 2.22 | up | 7.73 | 6.58 | Inc-CPSF1-1 LNCipedia | lc Inc-CPSF1-1 NONHSAT1:chr8 | 144412415 | 144413586 | - |
| TC08000033.hg.4 | -2.18 | -1.13 | 2.18 | down | 3.68 | 4.81 | DEFB109P1E defensin, bei | --- --- chr8 | 7312844 | 7319951 | + |
| TC08000568.hg.4 | -2.51 | -1.33 | 2.51 | down | 2.43 | 3.75 | RBM12B-AS RBM12B ant | --- --- chr8 | 93740111 | 93740819 | + |
| TC08001043.hg.4 | 2.26 | 1.18 | 2.26 | up | 4.25 | 3.07 | BIN3-IT1 BIN3 intronic | --- --- chr8 | 22640369 | 22642209 | - |
| TC08001136.hg.4 | 3.26 | 1.71 | 3.26 | up | 8.92 | 7.21 | LOC728024 chromosome | --- --- chr8 | 37746556 | 37748046 | - |
| TC09000000062.oe.1 | 2.71 | 1.44 | 2.71 | up | 10.33 | 8.89 | Inc-CDC37L NONCODE | lc Inc-CDC37L NONHSAT1:chr9 | 4793087 | 4841357 | + |
| TC09000000316.oe.1 | -2.10 | -1.07 | 2.10 | down | 3.53 | 4.60 | Inc-UNC13B NONCODE | lc Inc-UNC13B NONHSAT1:chr9 | 35406788 | 35437833 | + |
| TC09000000319.oe.1 | 2.46 | 1.30 | 2.46 | up | 8.63 | 7.33 | Inc-RUSC2- LNCipedia | lc Inc-RUSC2- NONHSAT1:chr9 | 35607225 | 35608435 | + |
| TC09000000332.oe.1 | -2.56 | -1.36 | 2.56 | down | 13.88 | 15.24 | Inc-HRCT1- NONCODE | lc Inc-HRCT1- NONHSAT1:chr9 | 35912942 | 35914642 | + |
| TC09000000646.oe.1 | -2.52 | -1.34 | 2.52 | down | 4.10 | 5.43 | Inc-NAA35- NONCODE | lc Inc-NAA35- NONHSAT1:chr9 | 86570888 | 86588143 | + |
| TC09000000657.oe.1 | -2.76 | -1.46 | 2.76 | down | 11.31 | 12.78 | Inc-CTSL1-8 LNCipedia | lc Inc-CTSL1-8 NONHSAT1:chr9 | 87639438 | 87640412 | + |
| TC09000000740.oe.1 | 2.14 | 1.10 | 2.14 | up | 3.91 | 2.81 | Inc-PTPDC1 LNCipedia | lc Inc-PTPDC1 --- chr9 | 94122974 | 94123577 | + |
| TC09000000938.oe.1 | -2.52 | -1.33 | 2.52 | down | 9.43 | 10.76 | Inc-DNAJC2 NONCODE | lc Inc-DNAJC2 NONHSAT1:chr9 | 111929249 | 111931308 | + |
| TC0900001298.oe.1 | 2.16 | 1.11 | 2.16 | up | 4.15 | 3.04 | Inc-PPP1R2f LNCipedia | lc Inc-PPP1R2f NONHSAT1:chr9 | 135469113 | 135469802 | + |
| TC0900001534.oe.1 | 2.48 | 1.31 | 2.48 | up | 4.58 | 3.27 | RP11-321L2 LNCipedia | lc Inc-ELAVL2- NONHSAT1:chr9 | 23894990 | 23898056 | - |
| TC0900001616.oe.1 | 2.02 | 1.01 | 2.02 | up | 6.10 | 5.09 | Inc-VCP-2 NONCODE | lc Inc-VCP-2:1 NONHSAT1:chr9 | 35074779 | 35075509 | - |
| TC0900001683.oe.1 | -2.14 | -1.09 | 2.14 | down | 6.04 | 7.13 | Inc-ANKRD1 LNCipedia | lc Inc-ANKRD1 NONHSAT1:chr9 | 39099815 | 39109287 | - |
| TC0900001685.oe.1 | -2.19 | -1.13 | 2.19 | down | 4.29 | 5.43 | Inc-ANKRD1 LNCipedia | lc Inc-ANKRD1 NONHSAT1:chr9 | 39173794 | 39174513 | - |
| TC0900001811.oe.1 | -2.37 | -1.24 | 2.37 | down | 6.11 | 7.36 | Inc-APBA1- LNCipedia | lc Inc-APBA1- NONHSAT1:chr9 | 69731932 | 69734258 | - |
| TC0900001864.oe.1 | -2.73 | -1.45 | 2.73 | down | 11.73 | 13.18 | Inc-GNA14- LNCipedia | lc Inc-GNA14- NONHSAT1:chr9 | 77716723 | 77720497 | - |

| | | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|--------------------------|--------------------------|------|-----------|-----------|---|
| TC0900001865.oe.1 | -2.00 | -1.00 | 2.00 | down | 2.91 | 3.92 | Inc-GNAQ-4 LNCipedia | lc Inc-GNAQ-4 --- | chr9 | 78047328 | 78047558 | - |
| TC0900002102.oe.1 | 2.25 | 1.17 | 2.25 | up | 4.29 | 3.12 | Inc-OR13C4 NONCODE | cl Inc-OR13C4 NONHSAT1 | chr9 | 103960790 | 103963783 | - |
| TC0900002103.oe.1 | -2.50 | -1.32 | 2.50 | down | 3.79 | 5.11 | Inc-OR13C4 LNCipedia | lc Inc-OR13C4 --- | chr9 | 104013156 | 104031630 | - |
| TC0900002232.oe.1 | 3.92 | 1.97 | 3.92 | up | 12.40 | 10.43 | Inc-MEGF9- NONCODE | cl Inc-MEGF9- NONHSAT1 | chr9 | 120389195 | 120401019 | - |
| TC0900002260.oe.1 | -2.77 | -1.47 | 2.77 | down | 5.40 | 6.87 | Inc-RC3H2-1 LNCipedia | lc Inc-RC3H2-1 NONHSAT1 | chr9 | 122844556 | 122848494 | - |
| TC0900002297.oe.1 | -2.28 | -1.19 | 2.28 | down | 3.51 | 4.70 | Inc-SCAI-2 LNCipedia | lc Inc-SCAI-2-1 NONHSAT1 | chr9 | 124942608 | 124943495 | - |
| TC0900002298.oe.1 | -2.05 | -1.03 | 2.05 | down | 4.50 | 5.53 | Inc-GOLGA1 NONCODE | cl Inc-GOLGA1 NONHSAT1 | chr9 | 124947607 | 124948492 | - |
| TC0900002315.oe.1 | 2.32 | 1.22 | 2.32 | up | 5.08 | 3.87 | Inc-RPL12-4 LNCipedia | lc Inc-RPL12-4 NONHSAT1 | chr9 | 127106925 | 127108047 | - |
| TC0900002316.oe.1 | -2.13 | -1.09 | 2.13 | down | 3.21 | 4.29 | Inc-ANGPTL LNCipedia | lc Inc-ANGPTL --- | chr9 | 127150992 | 127158555 | - |
| TC0900002335.oe.1 | 2.20 | 1.14 | 2.20 | up | 8.02 | 6.89 | Inc-ST6GAL1 NONCODE | cl Inc-ST6GAL1 NONHSAT1 | chr9 | 127908325 | 127912394 | - |
| TC0900002339.oe.1 | 2.11 | 1.07 | 2.11 | up | 8.91 | 7.83 | Inc-DPM2-3 LNCipedia | lc Inc-DPM2-3 NONHSAT1 | chr9 | 127953269 | 127980461 | - |
| TC0900002347.oe.1 | 2.10 | 1.07 | 2.10 | up | 7.42 | 6.35 | Inc-PTGES2- LNCipedia | lc Inc-PTGES2- NONHSAT1 | chr9 | 128177569 | 128179009 | - |
| TC0900002378.oe.1 | 2.51 | 1.33 | 2.51 | up | 6.49 | 5.17 | Inc-TOR1A-1 LNCipedia | lc Inc-TOR1A- NONHSAT1 | chr9 | 129738350 | 129739623 | - |
| TC0900002384.oe.1 | -2.06 | -1.05 | 2.06 | down | 4.93 | 5.97 | Inc-FNBP1-1 LNCipedia | lc Inc-FNBP1-1 NONHSAT1 | chr9 | 130044951 | 130045620 | - |
| TC09001698.hg.4 | -2.66 | -1.41 | 2.66 | down | 5.11 | 6.53 | RNU6ATAC RNA, U6atac | --- | chr9 | 134164439 | 134164564 | - |
| TC0X00000088.oe.1 | -2.09 | -1.06 | 2.09 | down | 3.53 | 4.59 | Inc-RAB9A-1 LNCipedia | lc Inc-RAB9A-1 NONHSAT1 | chrX | 13767905 | 13769173 | + |
| TC0X00000148.oe.1 | -2.00 | -1.00 | 2.00 | down | 3.51 | 4.51 | GS1-358P8-4 LNCipedia | lc Inc-PDK3-1: NONHSAT1 | chrX | 24545516 | 24550466 | + |
| TC0X00000161.oe.1 | -2.30 | -1.20 | 2.30 | down | 12.45 | 13.65 | Inc-PDK3-12 LNCipedia | lc Inc-PDK3-12 --- | chrX | 24909857 | 24910078 | + |
| TC0X00000190.oe.1 | -2.12 | -1.08 | 2.12 | down | 2.70 | 3.79 | Inc-GK-5//N LNCipedia | lc Inc-GK-5:1 NONHSAT1 | chrX | 32754940 | 32756400 | + |
| TC0X00000260.oe.1 | 2.10 | 1.07 | 2.10 | up | 9.27 | 8.20 | Inc-DUSP21 LNCipedia | lc Inc-DUSP21 NONHSAT1 | chrX | 43743704 | 43744658 | + |
| TC0X00000299.oe.1 | 2.21 | 1.14 | 2.21 | up | 8.90 | 7.76 | Inc-CDK16-1 LNCipedia | lc Inc-CDK16-1 NONHSAT1 | chrX | 47241454 | 47242175 | + |
| TC0X00000300.oe.1 | 2.33 | 1.22 | 2.33 | up | 8.98 | 7.76 | Inc-CDK16-4 LNCipedia | lc Inc-CDK16-4 NONHSAT1 | chrX | 47247082 | 47247952 | + |
| TC0X00000336.oe.1 | 2.21 | 1.14 | 2.21 | up | 9.83 | 8.69 | Inc-WAS-2 NONCODE | cl Inc-WAS-2:1 NONHSAT1 | chrX | 48706303 | 48707857 | + |
| TC0X00000342.oe.1 | 2.93 | 1.55 | 2.93 | up | 10.96 | 9.41 | Inc-ERAS-4 LNCipedia | lc Inc-ERAS-4: NONHSAT1 | chrX | 48898510 | 48903084 | + |
| TC0X00000348.oe.1 | -2.75 | -1.46 | 2.75 | down | 3.00 | 4.47 | Inc-MAGIX-1 LNCipedia | lc Inc-MAGIX-1 NONHSAT1 | chrX | 49133836 | 49134083 | + |
| TC0X00000355.oe.1 | -4.04 | -2.02 | 4.04 | down | 5.36 | 7.38 | Inc-GAGE12 LNCipedia | lc Inc-GAGE12 NONHSAT1 | chrX | 49560842 | 49603790 | + |
| TC0X00000394.oe.1 | 2.76 | 1.46 | 2.76 | up | 5.35 | 3.89 | Inc-TSPYL2- LNCipedia | lc Inc-TSPYL2- NONHSAT1 | chrX | 53169097 | 53170914 | + |
| TC0X00000444.oe.1 | 2.03 | 1.02 | 2.03 | up | 5.17 | 4.14 | NONHSAGO SPIN4 antisense | Inc-ZC3H12 NONHSAT1 | chrX | 63349646 | 63352178 | + |
| TC0X00000468.oe.1 | -2.73 | -1.45 | 2.73 | down | 8.47 | 9.92 | Inc-STARDB8 NONCODE | cl Inc-STARDB8 NONHSAT1 | chrX | 68533180 | 68537282 | + |
| TC0X00000573.oe.1 | -2.10 | -1.07 | 2.10 | down | 3.59 | 4.66 | Inc-PGK1-3 LNCipedia | lc Inc-PGK1-3: --- | chrX | 78006117 | 78006439 | + |
| TC0X00000669.oe.1 | -2.07 | -1.05 | 2.07 | down | 3.08 | 4.13 | Inc-BHLHB9 LNCipedia | lc Inc-BHLHB9 NONHSAT1 | chrX | 102785667 | 102786604 | + |
| TC0X00000672.oe.1 | -2.02 | -1.01 | 2.02 | down | 4.24 | 5.25 | Inc-BHLHB9 LNCipedia | lc Inc-BHLHB9 NONHSAT1 | chrX | 102798396 | 102799560 | + |
| TC0X00000676.oe.1 | -2.11 | -1.07 | 2.11 | down | 3.74 | 4.81 | Inc-BHLHB9 LNCipedia | lc Inc-BHLHB9 NONHSAT1 | chrX | 102806741 | 102807824 | + |
| TC0X00000700.oe.1 | -3.47 | -1.80 | 3.47 | down | 3.09 | 4.89 | Inc-CLDN2- NONCODE | cl Inc-CLDN2- NONHSAT1 | chrX | 106865546 | 106866862 | + |
| TC0X00000719.oe.1 | 2.95 | 1.56 | 2.95 | up | 9.60 | 8.04 | Inc-RGAG1- LNCipedia | lc Inc-RGAG1- NONHSAT1 | chrX | 110175747 | 110177786 | + |
| TC0X00000762.oe.1 | -3.24 | -1.70 | 3.24 | down | 7.94 | 9.64 | Inc-WDR44- NONCODE | cl Inc-WDR44- NONHSAT1 | chrX | 118578568 | 118588310 | + |
| TC0X00000874.oe.1 | 2.02 | 1.02 | 2.02 | up | 5.29 | 4.28 | Inc-PHF6-1 LNCipedia | lc Inc-PHF6-1: NONHSAT1 | chrX | 134493582 | 134493800 | + |
| TC0X00000903.oe.1 | 3.08 | 1.62 | 3.08 | up | 6.94 | 5.32 | Inc-GPR112- LNCipedia | lc Inc-GPR112- NONHSAT1 | chrX | 136207776 | 136209947 | + |
| TC0X00000982.oe.1 | -2.69 | -1.43 | 2.69 | down | 4.17 | 5.60 | Inc-CSAG1- LNCipedia | lc Inc-CSAG1- NONHSAT1 | chrX | 152753921 | 152760222 | + |
| TC0X00001185.oe.1 | 2.03 | 1.02 | 2.03 | up | 9.83 | 8.81 | Inc-APOO-1 LNCipedia | lc Inc-APOO-1 NONHSAT1 | chrX | 23707717 | 23722742 | - |
| TC0X00001198.oe.1 | -2.11 | -1.08 | 2.11 | down | 13.44 | 14.51 | Inc-ARX-2 LNCipedia | lc Inc-ARX-2:1 --- | chrX | 24909857 | 24910078 | - |
| TC0X00001274.oe.1 | 2.06 | 1.04 | 2.06 | up | 4.17 | 3.13 | Inc-CXorf36 LNCipedia | lc Inc-CXorf36 --- | chrX | 45631168 | 45631643 | - |
| TC0X00001326.oe.1 | 2.13 | 1.09 | 2.13 | up | 5.99 | 4.89 | Inc-SLC35A2 LNCipedia | lc Inc-SLC35A2 NONHSAT1 | chrX | 48914104 | 48914914 | - |
| TC0X00001386.oe.1 | 2.00 | 1.00 | 2.00 | up | 11.18 | 10.18 | Inc-HSD17B LNCipedia | lc Inc-HSD17B NONHSAT1 | chrX | 53431258 | 53432322 | - |
| TC0X00001388.oe.1 | 2.05 | 1.03 | 2.05 | up | 4.07 | 3.04 | Inc-HSD17B LNCipedia | lc Inc-HSD17B NONHSAT1 | chrX | 53456273 | 53457029 | - |
| TC0X00001460.oe.1 | -2.09 | -1.07 | 2.09 | down | 4.14 | 5.21 | DLG3-AS1// NONCODE | cl Inc-TEX11-1 NONHSAT1 | chrX | 70452956 | 70455994 | - |
| TC0X00001555.oe.1 | 2.13 | 1.09 | 2.13 | up | 4.18 | 3.09 | Inc-CHM-2 LNCipedia | lc Inc-CHM-2: NONHSAT1 | chrX | 85849410 | 85850139 | - |
| TC0X00001557.oe.1 | -2.12 | -1.08 | 2.12 | down | 8.67 | 9.75 | Inc-POF1B-1 LNCipedia | lc Inc-POF1B-1 NONHSAT1 | chrX | 85978656 | 85981809 | - |
| TC0X00001602.oe.1 | 2.18 | 1.13 | 2.18 | up | 5.33 | 4.20 | Inc-ARMCXf LNCipedia | lc Inc-ARMCXf NONHSAT1 | chrX | 101537485 | 101539276 | - |

| | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|------------------------|---------------------------------|-----------|-----------|---|
| TC0X00001657.oe.1 | -3.26 | -1.70 | 3.26 | down | 12.59 | 14.30 | Inc-IRS4-2 LNCipedia | lc Inc-IRS4-2:1 NONHSAT1: chrX | 109054131 | 109054562 | - |
| TC0X00001693.oe.1 | -2.08 | -1.06 | 2.08 | down | 7.17 | 8.23 | Inc-KLHL13- NONCODE | cl Inc-KLHL13- NONHSAT1: chrX | 117282456 | 117284368 | - |
| TC0X00001737.oe.1 | -2.16 | -1.11 | 2.16 | down | 6.42 | 7.53 | Inc-MRRFP1 NONCODE | cl Inc-MRRFP1 NONHSAT1: chrX | 123621475 | 123623042 | - |
| TC0X00001738.oe.1 | -3.40 | -1.77 | 3.40 | down | 10.91 | 12.67 | Inc-MRRFP1 LNCipedia | lc Inc-MRRFP1 NONHSAT1: chrX | 123623513 | 123624609 | - |
| TC0X00001739.oe.1 | -2.47 | -1.30 | 2.47 | down | 11.63 | 12.94 | Inc-MRRFP1 LNCipedia | lc Inc-MRRFP1 NONHSAT1: chrX | 123697726 | 123712904 | - |
| TC0X00001744.oe.1 | -2.33 | -1.22 | 2.33 | down | 5.56 | 6.78 | Inc-ODZ1-6 LNCipedia | lc Inc-ODZ1-6 NONHSAT1: chrX | 124101764 | 124102553 | - |
| TC0X00001773.oe.1 | -2.11 | -1.08 | 2.11 | down | 6.56 | 7.64 | Inc-IGSF1-4 LNCipedia | lc Inc-IGSF1-4 --- chrX | 131577001 | 131583478 | - |
| TC0X00001810.oe.1 | 3.25 | 1.70 | 3.25 | up | 6.51 | 4.82 | Inc-ARHGEF NONCODE | cl Inc-ARHGEF NONHSAT1: chrX | 136807223 | 136807877 | - |
| TC0X00001814.oe.1 | 2.23 | 1.16 | 2.23 | up | 10.37 | 9.21 | Inc-ARHGEF LNCipedia | lc Inc-ARHGEF NONHSAT1: chrX | 136879017 | 136880722 | - |
| TC0X00001834.oe.1 | -2.09 | -1.06 | 2.09 | down | 2.82 | 3.88 | Inc-CDR1-3 LNCipedia | lc Inc-CDR1-3: NONHSAT1: chrX | 140713836 | 140727872 | - |
| TC0X00001843.oe.1 | -2.23 | -1.16 | 2.23 | down | 5.21 | 6.37 | Inc-IDS-17 LNCipedia | lc Inc-IDS-17:1 --- chrX | 146621798 | 146622418 | - |
| TC0X00001858.oe.1 | 3.03 | 1.60 | 3.03 | up | 14.20 | 12.60 | Inc-MAGEA5 LNCipedia | lc Inc-MAGEA5 NONHSAT1: chrX | 149478751 | 149478981 | - |
| TC0X00001883.oe.1 | -2.54 | -1.35 | 2.54 | down | 4.04 | 5.39 | Inc-CSAG1- LNCipedia | lc Inc-CSAG1- NONHSAT1: chrX | 152708261 | 152714549 | - |
| TC0X00001930.oe.1 | 2.90 | 1.54 | 2.90 | up | 5.55 | 4.01 | Inc-GAB3-1 LNCipedia | lc Inc-GAB3-1: NONHSAT1: chrX | 154778723 | 154781596 | - |
| TC0X000246.hg.4 | 2.27 | 1.18 | 2.27 | up | 4.31 | 3.13 | SSX6 synovial sarc --- | --- chrX | 48107980 | 48120691 | + |
| TC0X000404.hg.4 | 2.22 | 1.15 | 2.22 | up | 3.52 | 2.37 | TSIX TSIX transcri --- | --- chrX | 73792205 | 73829231 | + |
| TC0Y00000123.oe.1 | -2.31 | -1.21 | 2.31 | down | 3.10 | 4.30 | Inc-CYorf15 LNCipedia | lc Inc-CYorf15: NONHSAT1: chrY | 19598188 | 19598757 | + |
| TC0Y00000162.oe.1 | -2.01 | -1.01 | 2.01 | down | 2.74 | 3.75 | Inc-DAZ2-7 LNCipedia | lc Inc-DAZ2-7: NONHSAT1: chrY | 23734193 | 23736249 | + |
| TC0Y00000178.oe.1 | -2.22 | -1.15 | 2.22 | down | 2.86 | 4.01 | Inc-DAZ4-1 LNCipedia | lc Inc-DAZ4-1: NONHSAT1: chrY | 24618028 | 24639148 | + |
| TC0Y00000205.oe.1 | -2.10 | -1.07 | 2.10 | down | 3.49 | 4.56 | Inc-PRYP4-1 LNCipedia | lc Inc-PRYP4-1 NONHSAT1: chrY | 56855538 | 56856204 | + |
| TC0Y00000266.oe.1 | -2.62 | -1.39 | 2.62 | down | 7.53 | 8.92 | Inc-AC0061 LNCipedia | lc Inc-AC0061: NONHSAT1: chrY | 10198504 | 10199102 | - |
| TC0Y00000271.oe.1 | 2.86 | 1.52 | 2.86 | up | 4.69 | 3.18 | Inc-AC1348 NONCODE | cl Inc-AC1348: NONHSAT1: chrY | 11692704 | 11692929 | - |
| TC0Y00000312.oe.1 | -3.98 | -1.99 | 3.98 | down | 7.15 | 9.14 | Inc-HSFY2-1 LNCipedia | lc Inc-HSFY2-1 NONHSAT1: chrY | 18992467 | 18992709 | - |
| TC0Y00000393.oe.1 | 2.02 | 1.02 | 2.02 | up | 4.52 | 3.51 | Inc-PRYP4-3 LNCipedia | lc Inc-PRYP4-3 NONHSAT1: chrY | 56703707 | 56707491 | - |
| TC1000000127.oe.1 | 3.95 | 1.98 | 3.95 | up | 13.80 | 11.81 | Inc-ATP5C1- NONCODE | cl Inc-ATP5C1- NONHSAT0: chr10 | 7703368 | 7720901 | + |
| TC1000000238.oe.1 | 2.73 | 1.45 | 2.73 | up | 4.39 | 2.94 | Inc-C10orf1 LNCipedia | lc Inc-C10orf1: NONHSAT0: chr10 | 19692310 | 19790401 | + |
| TC1000000269.oe.1 | 2.19 | 1.13 | 2.19 | up | 3.71 | 2.58 | Inc-PTF1A-1 LNCipedia | lc Inc-PTF1A-1 NONHSAT0: chr10 | 23258211 | 23258545 | + |
| TC1000000390.oe.1 | 2.03 | 1.02 | 2.03 | up | 6.39 | 5.37 | Inc-CREM-3 NONCODE | cl Inc-CREM-3 NONHSAT0: chr10 | 34875210 | 34875422 | + |
| TC1000000438.oe.1 | 4.20 | 2.07 | 4.20 | up | 6.41 | 4.34 | Inc-CCNYL2 LNCipedia | lc Inc-CCNYL2 NONHSAT0: chr10 | 41843735 | 41851732 | + |
| TC1000000439.oe.1 | 2.27 | 1.18 | 2.27 | up | 5.51 | 4.32 | Inc-CCNYL2 gene_id XLO | Inc-CCNYL2 NONHSAT0: chr10 | 41848343 | 41856930 | + |
| TC1000000443.oe.1 | 3.01 | 1.59 | 3.01 | up | 5.36 | 3.76 | Inc-BMS1-6 LNCipedia | lc Inc-BMS1-6 NONHSAT0: chr10 | 42295630 | 42295874 | + |
| TC1000000507.oe.1 | -2.06 | -1.05 | 2.06 | down | 4.82 | 5.86 | Inc-PPYR1-2 LNCipedia | lc Inc-PPYR1-2 NONHSAT0: chr10 | 46525314 | 46526388 | + |
| TC1000000538.oe.1 | -2.37 | -1.25 | 2.37 | down | 3.95 | 5.20 | Inc-WDFY4- LNCipedia | lc Inc-WDFY4- --- chr10 | 49066718 | 49066994 | + |
| TC1000000650.oe.1 | -2.20 | -1.14 | 2.20 | down | 2.70 | 3.83 | Inc-HNRNP NONCODE | cl Inc-HNRNP NONHSAT0: chr10 | 68412497 | 68413051 | + |
| TC1000000666.oe.1 | 5.58 | 2.48 | 5.58 | up | 11.08 | 8.60 | Inc-SRGN-2 NONCODE | cl Inc-SRGN-2 NONHSAT0: chr10 | 69088072 | 69104811 | + |
| TC1000000734.oe.1 | 2.08 | 1.05 | 2.08 | up | 6.49 | 5.44 | Inc-FUT11-1 NONCODE | cl Inc-FUT11-1 NONHSAT0: chr10 | 73746867 | 73752102 | + |
| TC1000000834.oe.1 | 2.03 | 1.02 | 2.03 | up | 6.74 | 5.72 | LINC00857 NONCODE | cl Inc-AL3591 NONHSAT0: chr10 | 80207710 | 80219657 | + |
| TC1000000889.oe.1 | -2.85 | -1.51 | 2.85 | down | 6.72 | 8.23 | Inc-PAPSS2- LNCipedia | lc Inc-PAPSS2- --- chr10 | 87868872 | 87869144 | + |
| TC1000001165.oe.1 | -3.03 | -1.60 | 3.03 | down | 9.59 | 11.20 | Inc-MX11-2 LNCipedia | lc Inc-MX11-2: NONHSAT0: chr10 | 110119315 | 110119690 | + |
| TC1000001166.oe.1 | -2.09 | -1.07 | 2.09 | down | 11.32 | 12.39 | Inc-MX11-1 NONCODE | cl Inc-MX11-1: NONHSAT0: chr10 | 110124240 | 110130393 | + |
| TC1000001176.oe.1 | -2.18 | -1.12 | 2.18 | down | 9.67 | 10.79 | Inc-SHOC2- LNCipedia | lc Inc-SHOC2- NONHSAT0: chr10 | 110885253 | 110898718 | + |
| TC1000001180.oe.1 | -2.66 | -1.41 | 2.66 | down | 9.86 | 11.27 | Inc-PDCD4- LNCipedia | lc Inc-PDCD4- NONHSAT0: chr10 | 110965032 | 110985922 | + |
| TC1000001182.oe.1 | -2.07 | -1.05 | 2.07 | down | 3.36 | 4.41 | Inc-SHOC2- NONCODE | cl Inc-SHOC2- NONHSAT0: chr10 | 111016820 | 111022987 | + |
| TC1000001269.oe.1 | 2.04 | 1.03 | 2.04 | up | 4.31 | 3.28 | Inc-BAG3-2 NONCODE | cl Inc-BAG3-2: NONHSAT0: chr10 | 119621068 | 119621880 | + |
| TC1000001379.oe.1 | 2.07 | 1.05 | 2.07 | up | 10.38 | 9.33 | Inc-MGMT- LNCipedia | lc Inc-MGMT-: NONHSAT0: chr10 | 130179374 | 130180382 | + |
| TC1000001431.oe.1 | -3.32 | -1.73 | 3.32 | down | 3.92 | 5.65 | Inc-CYP2E1- NONCODE | cl Inc-CYP2E1- NONHSAT0: chr10 | 133779170 | 133785043 | + |
| TC1000001436.oe.1 | -2.10 | -1.07 | 2.10 | down | 7.63 | 8.70 | Inc-LARP4B- LNCipedia | lc Inc-LARP4B- NONHSAT0: chr10 | 678455 | 678796 | - |
| TC1000001596.oe.1 | 2.21 | 1.15 | 2.21 | up | 4.36 | 3.21 | Inc-BEND7- LNCipedia | lc Inc-BEND7-: NONHSAT0: chr10 | 13646272 | 13654526 | - |
| TC1000001646.oe.1 | -2.54 | -1.34 | 2.54 | down | 4.04 | 5.39 | Inc-C10orf1 LNCipedia | lc Inc-C10orf1: NONHSAT0: chr10 | 21170262 | 21173838 | - |

| | | | | | | | | | | | |
|-------------------|-------|-------|-------|------|-------|------|------------------------|---------------------------------|-----------|-----------|---|
| TC1000001650.oe.1 | -2.50 | -1.32 | 2.50 | down | 3.45 | 4.77 | Inc-C10orf1: LNCipedia | lc Inc-C10orf1: NONHSAT0: chr10 | 21487525 | 21490472 | - |
| TC1000001663.oe.1 | -2.06 | -1.04 | 2.06 | down | 3.35 | 4.39 | Inc-C10orf1: LNCipedia | lc Inc-C10orf1: NONHSAT0: chr10 | 22642022 | 22691830 | - |
| TC1000001803.oe.1 | 2.19 | 1.13 | 2.19 | up | 5.66 | 4.53 | Inc-BMS1-1 LNCipedia | lc Inc-BMS1-1 NONHSAT0: chr10 | 41854927 | 41855208 | - |
| TC1000001818.oe.1 | -2.10 | -1.07 | 2.10 | down | 3.36 | 4.43 | Inc-HNRNPF LNCipedia | lc Inc-HNRNPF --- chr10 | 43221371 | 43232349 | - |
| TC1000001916.oe.1 | 2.01 | 1.00 | 2.01 | up | 8.28 | 7.27 | Inc-SGMS1- LNCipedia | lc Inc-SGMS1- NONHSAT0: chr10 | 50187211 | 50199146 | - |
| TC1000001926.oe.1 | -3.13 | -1.64 | 3.13 | down | 5.24 | 6.89 | Inc-A1CF-4 LNCipedia | lc Inc-A1CF-4: NONHSAT0: chr10 | 50800033 | 50805968 | - |
| TC1000001937.oe.1 | -2.59 | -1.37 | 2.59 | down | 3.29 | 4.66 | Inc-MBL2-3; N/A//NONC | Inc-MBL2-3: NONHSAT0: chr10 | 52556680 | 52755544 | - |
| TC1000001966.oe.1 | -2.85 | -1.51 | 2.85 | down | 5.15 | 6.66 | Inc-C10orf4(NONCODE | cl Inc-C10orf4(NONHSAT0: chr10 | 60029691 | 60044803 | - |
| TC1000001968.oe.1 | -4.36 | -2.12 | 4.36 | down | 6.67 | 8.80 | Inc-C10orf4(LNCipedia | lc Inc-C10orf4(NONHSAT0: chr10 | 60061921 | 60064292 | - |
| TC1000001969.oe.1 | -3.71 | -1.89 | 3.71 | down | 7.76 | 9.65 | Inc-C10orf4(LNCipedia | lc Inc-C10orf4(NONHSAT0: chr10 | 60082508 | 60084715 | - |
| TC1000001970.oe.1 | -4.29 | -2.10 | 4.29 | down | 5.52 | 7.63 | Inc-C10orf4(LNCipedia | lc Inc-C10orf4(NONHSAT0: chr10 | 60138517 | 60140515 | - |
| TC1000001986.oe.1 | -2.17 | -1.12 | 2.17 | down | 5.88 | 7.00 | Inc-JMJD1C- NONCODE | cl Inc-JMJD1C: NONHSAT0: chr10 | 63167221 | 63176555 | - |
| TC1000001988.oe.1 | -2.23 | -1.16 | 2.23 | down | 7.64 | 8.79 | Inc-EGR2-6 LNCipedia | lc Inc-EGR2-6: NONHSAT0: chr10 | 63214896 | 63269253 | - |
| TC1000002028.oe.1 | -2.18 | -1.12 | 2.18 | down | 3.33 | 4.45 | Inc-SLC25A1 NONCODE | cl Inc-SLC25A1 NONHSAT0: chr10 | 68691664 | 68692941 | - |
| TC1000002052.oe.1 | 2.15 | 1.11 | 2.15 | up | 10.90 | 9.79 | Inc-PPA1-1 LNCipedia | lc Inc-PPA1-1: NONHSAT0: chr10 | 70218779 | 70233911 | - |
| TC1000002054.oe.1 | -2.06 | -1.04 | 2.06 | down | 3.25 | 4.29 | Inc-NODAL- NONCODE | cl Inc-NODAL- NONHSAT0: chr10 | 70485336 | 70486325 | - |
| TC1000002068.oe.1 | -3.22 | -1.69 | 3.22 | down | 4.12 | 5.80 | Inc-C10orf1(NONCODE | cl Inc-C10orf1(NONHSAT0: chr10 | 71706223 | 71709214 | - |
| TC1000002176.oe.1 | 2.03 | 1.02 | 2.03 | up | 6.16 | 5.14 | Inc-SFTPD-7 LNCipedia | lc Inc-SFTPD-7 NONHSAT0: chr10 | 80031844 | 80032393 | - |
| TC1000002350.oe.1 | 2.11 | 1.08 | 2.11 | up | 8.90 | 7.83 | Inc-CHUK-1 LNCipedia | lc Inc-CHUK-1 NONHSAT0: chr10 | 100238183 | 100246116 | - |
| TC1000002413.oe.1 | -4.41 | -2.14 | 4.41 | down | 4.67 | 6.81 | Inc-ARL3-2 NONCODE | cl Inc-ARL3-2: NONHSAT0: chr10 | 102830948 | 102831703 | - |
| TC1000002537.oe.1 | 2.21 | 1.15 | 2.21 | up | 9.76 | 8.61 | Inc-PRDX3-4 NONCODE | cl Inc-PRDX3-4 NONHSAT0: chr10 | 119158007 | 119164196 | - |
| TC1000002561.oe.1 | -2.01 | -1.01 | 2.01 | down | 3.88 | 4.89 | RP11-95I16. LNCipedia | lc Inc-FGFR2-3 NONHSAT0: chr10 | 120925547 | 120980700 | - |
| TC1000002605.oe.1 | -2.55 | -1.35 | 2.55 | down | 5.63 | 6.98 | Inc-FAM53B LNCipedia | lc Inc-FAM53B NONHSAT0: chr10 | 124778791 | 124779097 | - |
| TC1100000163.oe.1 | 2.02 | 1.02 | 2.02 | up | 8.84 | 7.82 | Inc-OR10AB NONCODE | cl Inc-OR10AB NONHSAT0: chr11 | 7649210 | 7650998 | + |
| TC1100000178.oe.1 | 2.15 | 1.10 | 2.15 | up | 9.12 | 8.02 | Inc-AKIP1-9 NONCODE | cl Inc-AKIP1-9 NONHSAT0: chr11 | 8682788 | 8684489 | + |
| TC1100000191.oe.1 | 2.18 | 1.12 | 2.18 | up | 8.17 | 7.05 | Inc-IPO7-1 LNCipedia | lc Inc-IPO7-1: NONHSAT0: chr11 | 94711107 | 9472716 | + |
| TC1100000225.oe.1 | 2.11 | 1.07 | 2.11 | up | 9.38 | 8.31 | Inc-MICALC LNCipedia | lc Inc-MICALC NONHSAT0: chr11 | 12225585 | 12227098 | + |
| TC1100000274.oe.1 | 2.06 | 1.04 | 2.06 | up | 5.73 | 4.69 | Inc-NUCB2- NONCODE | cl Inc-NUCB2- NONHSAT0: chr11 | 17013998 | 17052658 | + |
| TC1100000343.oe.1 | -2.06 | -1.04 | 2.06 | down | 2.40 | 3.44 | Inc-LUZP2-4 LNCipedia | lc Inc-LUZP2-4 NONHSAT0: chr11 | 23673812 | 23675768 | + |
| TC1100000391.oe.1 | -2.09 | -1.06 | 2.09 | down | 5.58 | 6.64 | Inc-C11orf4(LNCipedia | lc Inc-C11orf4(NONHSAT0: chr11 | 30337010 | 30338431 | + |
| TC1100000601.oe.1 | -2.23 | -1.15 | 2.23 | down | 3.81 | 4.97 | Inc-OR4C13 LNCipedia | lc Inc-OR4C13 NONHSAT0: chr11 | 49882999 | 49884093 | + |
| TC1100000702.oe.1 | 2.87 | 1.52 | 2.87 | up | 4.88 | 3.36 | NONHSAG0 LNCipedia | lc Inc-PGA5-1: NONHSAT0: chr11 | 61227168 | 61248533 | + |
| TC1100000724.oe.1 | 2.70 | 1.44 | 2.70 | up | 7.93 | 6.49 | Inc-FEN1-4 NONCODE | cl Inc-FEN1-4: NONHSAT0: chr11 | 61861973 | 61865319 | + |
| TC1100000848.oe.1 | 2.03 | 1.02 | 2.03 | up | 7.36 | 6.34 | Inc-RAB1B-1 NONCODE | cl Inc-RAB1B-1: NONHSAT0: chr11 | 66261930 | 66263062 | + |
| TC1100000940.oe.1 | -2.17 | -1.12 | 2.17 | down | 8.73 | 9.85 | Inc-LRP5-4 LNCipedia | lc Inc-LRP5-4: NONHSAT0: chr11 | 68558196 | 68564407 | + |
| TC1100001044.oe.1 | 2.19 | 1.13 | 2.19 | up | 3.85 | 2.72 | Inc-ATG16L2 LNCipedia | lc Inc-ATG16L2 --- chr11 | 72931403 | 72936167 | + |
| TC1100001048.oe.1 | -3.21 | -1.68 | 3.21 | down | 3.52 | 5.20 | Inc-P2RY2-5 LNCipedia | lc Inc-P2RY2-5 --- chr11 | 73065032 | 73065388 | + |
| TC1100001073.oe.1 | 2.05 | 1.03 | 2.05 | up | 10.21 | 9.18 | Inc-POLD3-1 LNCipedia | lc Inc-POLD3-1 NONHSAT0: chr11 | 74248243 | 74254702 | + |
| TC1100001092.oe.1 | 10.85 | 3.44 | 10.85 | up | 10.06 | 6.62 | Inc-SLCO2B LNCipedia | lc Inc-SLCO2B: NONHSAT0: chr11 | 75100563 | 75188233 | + |
| TC1100001094.oe.1 | 2.20 | 1.14 | 2.20 | up | 5.59 | 4.45 | Inc-NEU3-3 NONCODE | cl Inc-NEU3-3: NONHSAT0: chr11 | 75196275 | 75206400 | + |
| TC1100001170.oe.1 | -2.14 | -1.10 | 2.14 | down | 6.35 | 7.45 | Inc-ANKRD4 LNCipedia | lc Inc-ANKRD4 NONHSAT0: chr11 | 83180144 | 83184520 | + |
| TC1100001313.oe.1 | -2.17 | -1.11 | 2.17 | down | 6.06 | 7.17 | Inc-YAP1-2 LNCipedia | lc Inc-YAP1-2: NONHSAT0: chr11 | 102047468 | 102083419 | + |
| TC1100001351.oe.1 | -2.73 | -1.45 | 2.73 | down | 6.66 | 8.11 | Inc-ACAT1-1 LNCipedia | lc Inc-ACAT1-1 NONHSAT0: chr11 | 108267340 | 108271352 | + |
| TC1100001352.oe.1 | -2.08 | -1.06 | 2.08 | down | 6.86 | 7.91 | Inc-ACAT1-1 LNCipedia | lc Inc-ACAT1-1 NONHSAT0: chr11 | 108287178 | 108290667 | + |
| TC1100001353.oe.1 | -3.96 | -1.99 | 3.96 | down | 5.55 | 7.54 | Inc-ACAT1-1 LNCipedia | lc Inc-ACAT1-1 NONHSAT0: chr11 | 108293385 | 108295370 | + |
| TC1100001464.oe.1 | 2.24 | 1.16 | 2.24 | up | 4.09 | 2.93 | Inc-CD3G-1 LNCipedia | lc Inc-CD3G-1 NONHSAT0: chr11 | 118304730 | 118313744 | + |
| TC1100001537.oe.1 | 2.10 | 1.07 | 2.10 | up | 8.16 | 7.09 | Inc-CRTAM- NONCODE | cl Inc-CRTAM- NONHSAT0: chr11 | 122709262 | 122779595 | + |
| TC1100001587.oe.1 | 2.17 | 1.12 | 2.17 | up | 4.23 | 3.11 | Inc-PATE3-2 LNCipedia | lc Inc-PATE3-2 NONHSAT0: chr11 | 125811751 | 125811959 | + |
| TC1100001689.oe.1 | 2.03 | 1.02 | 2.03 | up | 5.57 | 4.55 | Inc-SIRT3-2 NONCODE | cl Inc-SIRT3-2: NONHSAT0: chr11 | 203485 | 204363 | - |

| | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|------------------------|---------------------------------|-----------|-----------|---|
| TC1100001729.oe.1 | 2.85 | 1.51 | 2.85 | up | 9.46 | 7.95 | Inc-POLR2L- LNCipedia | lc Inc-POLR2L- NONHSAT0: chr11 | 881476 | 882176 | - |
| TC1100001794.oe.1 | 2.67 | 1.41 | 2.67 | up | 5.47 | 4.06 | Inc-C11orf4(LNCipedia | lc Inc-C11orf4(NONHSAT0: chr11 | 4600800 | 4601565 | - |
| TC1100002079.oe.1 | 5.35 | 2.42 | 5.35 | up | 8.93 | 6.51 | Inc-CCDC73 LNCipedia | lc Inc-CCDC73 NONHSAT0: chr11 | 32389058 | 32396403 | - |
| TC1100002125.oe.1 | 2.43 | 1.28 | 2.43 | up | 9.66 | 8.38 | Inc-RAG2-3 LNCipedia | lc Inc-RAG2-3: NONHSAT0: chr11 | 36490377 | 36496510 | - |
| TC1100002126.oe.1 | -2.00 | -1.00 | 2.00 | down | 9.23 | 10.23 | Inc-RAG2-2 LNCipedia | lc Inc-RAG2-2: --- chr11 | 36551310 | 36554855 | - |
| TC1100002186.oe.1 | 2.28 | 1.19 | 2.28 | up | 7.38 | 6.19 | Inc-PEX16-4 NONCODE | cl Inc-PEX16-4 NONHSAT0: chr11 | 46090507 | 46119827 | - |
| TC1100002248.oe.1 | -2.02 | -1.01 | 2.02 | down | 3.91 | 4.92 | Inc-OR4C46 LNCipedia | lc Inc-OR4C46 NONHSAT0: chr11 | 54543571 | 54559115 | - |
| TC1100002267.oe.1 | 3.23 | 1.69 | 3.23 | up | 6.26 | 4.56 | Inc-SLC43A3 NONCODE | cl Inc-SLC43A3: NONHSAT0: chr11 | 57406954 | 57408749 | - |
| TC1100002392.oe.1 | -2.23 | -1.16 | 2.23 | down | 9.46 | 10.62 | Inc-ATL3-2 LNCipedia | lc Inc-ATL3-2: NONHSAT0: chr11 | 63624084 | 63627853 | - |
| TC1100002451.oe.1 | -2.17 | -1.12 | 2.17 | down | 10.72 | 11.84 | Inc-LTBP3-2 NONCODE | l Inc-LTBP3-2 NONHSAT0: chr11 | 65422322 | 65511027 | - |
| TC1100002525.oe.1 | 2.40 | 1.26 | 2.40 | up | 6.07 | 4.81 | Inc-ALDH3B NONCODE | cl Inc-ALDH3B NONHSAT0: chr11 | 67749043 | 67756968 | - |
| TC1100002651.oe.1 | -2.13 | -1.09 | 2.13 | down | 3.04 | 4.12 | Inc-OR2AT4 LNCipedia | lc Inc-OR2AT4 --- chr11 | 74938634 | 74939132 | - |
| TC1100002694.oe.1 | -2.84 | -1.50 | 2.84 | down | 2.96 | 4.46 | Inc-PAK1-3 LNCipedia | lc Inc-PAK1-3: --- chr11 | 77294538 | 77294798 | - |
| TC1100002760.oe.1 | 2.32 | 1.21 | 2.32 | up | 4.56 | 3.35 | Inc-CCDC89 LNCipedia | lc Inc-CCDC89 --- chr11 | 85694324 | 85694600 | - |
| TC1100002812.oe.1 | -2.46 | -1.30 | 2.46 | down | 3.84 | 5.14 | Inc-CHORD(LNCipedia | lc Inc-CHORD(NONHSAT0: chr11 | 90194506 | 90198120 | - |
| TC1100002859.oe.1 | -2.11 | -1.08 | 2.11 | down | 5.97 | 7.04 | Inc-MTMR2- NONCODE | cl Inc-MTMR2- NONHSAT0: chr11 | 95775854 | 95789782 | - |
| TC1100002894.oe.1 | 3.38 | 1.76 | 3.38 | up | 7.31 | 5.55 | Inc-MMP10- LNCipedia | lc Inc-MMP10- NONHSAT0: chr11 | 102797044 | 102797339 | - |
| TC1100002895.oe.1 | 5.16 | 2.37 | 5.16 | up | 8.98 | 6.61 | Inc-MMP10- LNCipedia | lc Inc-MMP10- NONHSAT0: chr11 | 102797397 | 102798146 | - |
| TC1100002899.oe.1 | 2.09 | 1.06 | 2.09 | up | 7.81 | 6.75 | Inc-MMP13- NONCODE | cl Inc-MMP13- NONHSAT0: chr11 | 103089271 | 103092126 | - |
| TC1100002901.oe.1 | 2.08 | 1.06 | 2.08 | up | 4.70 | 3.64 | Inc-DCUN1(NONCODE | cl Inc-DCUN1(NONHSAT0: chr11 | 103402588 | 103403422 | - |
| TC1100002938.oe.1 | -2.10 | -1.07 | 2.10 | down | 5.73 | 6.80 | Inc-C11orf6(LNCipedia | lc Inc-C11orf6(NONHSAT0: chr11 | 108158638 | 108161683 | - |
| TC1100002954.oe.1 | -2.20 | -1.14 | 2.20 | down | 12.51 | 13.65 | Inc-ARHGAF LNCipedia | lc Inc-ARHGAF NONHSAT0: chr11 | 110230175 | 110230558 | - |
| TC1100002985.oe.1 | -2.04 | -1.03 | 2.04 | down | 2.51 | 3.54 | NONHSAG0 gene_id XLO | Inc-IL18-1:2 NONHSAT0: chr11 | 112165197 | 112172606 | - |
| TC1100003047.oe.1 | 2.05 | 1.03 | 2.05 | up | 7.81 | 6.78 | Inc-AP0008(LNCipedia | lc Inc-AP0008(NONHSAT0: chr11 | 117290487 | 117291765 | - |
| TC1100003133.oe.1 | -2.13 | -1.09 | 2.13 | down | 3.34 | 4.43 | Inc-BLID-5// LNCipedia | lc Inc-BLID-5:1 NONHSAT0: chr11 | 122095900 | 122098353 | - |
| TC1100003141.oe.1 | 2.07 | 1.05 | 2.07 | up | 18.85 | 17.80 | Inc-CLMP-3 LNCipedia | lc Inc-CLMP-3 NONHSAT0: chr11 | 123057493 | 123062136 | - |
| TC11000245.hg.4 | -2.11 | -1.08 | 2.11 | down | 2.89 | 3.98 | SPTY2D1-A(SPTY2D1 an | --- --- chr11 | 18599787 | 18610255 | + |
| TC11000631.hg.4 | -3.35 | -1.74 | 3.35 | down | 14.10 | 15.84 | MALAT1 metastasis a | --- --- chr11 | 65497762 | 65506469 | + |
| TC11002277.hg.4 | -4.27 | -2.09 | 4.27 | down | 5.71 | 7.80 | COLCA1 colorectal ca | --- --- chr11 | 111293389 | 111305045 | - |
| TC1200000029.oe.1 | 2.15 | 1.11 | 2.15 | up | 12.35 | 11.24 | Inc-ERC1-1 NONCODE | cl Inc-ERC1-1: NONHSAT0: chr12 | 1500491 | 1507318 | + |
| TC1200000147.oe.1 | 2.04 | 1.03 | 2.04 | up | 7.29 | 6.27 | Inc-U47924. NONCODE | cl Inc-U47924. NONHSAT0: chr12 | 7060717 | 7062808 | + |
| TC1200000148.oe.1 | 3.19 | 1.67 | 3.19 | up | 11.98 | 10.31 | Inc-U47924. LNCipedia | lc Inc-U47924. NONHSAT0: chr12 | 7066192 | 7068530 | + |
| TC1200000243.oe.1 | -2.09 | -1.06 | 2.09 | down | 5.15 | 6.21 | RP11-180M: N/A | --- --- chr12 | 12718973 | 12719521 | + |
| TC1200000277.oe.1 | 2.44 | 1.29 | 2.44 | up | 5.60 | 4.32 | Inc-H2AFJ-4 NONCODE | cl Inc-H2AFJ-4 NONHSAT0: chr12 | 14786070 | 14787500 | + |
| TC1200000314.oe.1 | -2.02 | -1.01 | 2.02 | down | 3.97 | 4.98 | NONHSAG0 LNCipedia | lc Inc-AEBP2- (NONHSAT0: chr12 | 19147074 | 19154659 | + |
| TC1200000332.oe.1 | -2.06 | -1.04 | 2.06 | down | 7.91 | 8.95 | Inc-GOLT1B LNCipedia | lc Inc-GOLT1B NONHSAT0: chr12 | 21454782 | 21456062 | + |
| TC1200000390.oe.1 | 2.03 | 1.02 | 2.03 | up | 5.97 | 4.95 | Inc-STK38L- NONCODE | cl Inc-STK38L- NONHSAT0: chr12 | 27368317 | 27377503 | + |
| TC1200000406.oe.1 | -2.09 | -1.07 | 2.09 | down | 3.99 | 5.06 | Inc-KLHDC5 NONCODE | cl Inc-KLHDC5 NONHSAT0: chr12 | 28161256 | 28163249 | + |
| TC1200000409.oe.1 | -2.29 | -1.19 | 2.29 | down | 3.90 | 5.10 | RP11-425D1 N/A | --- --- chr12 | 28236227 | 28236828 | + |
| TC1200000496.oe.1 | -2.02 | -1.01 | 2.02 | down | 2.84 | 3.85 | Inc-C12orf4(LNCipedia | lc Inc-C12orf4(--- chr12 | 40050421 | 40051840 | + |
| TC1200000545.oe.1 | -2.03 | -1.02 | 2.03 | down | 3.57 | 4.59 | Inc-FAM113 gene_id XLO | Inc-FAM113 NONHSAT0: chr12 | 47248124 | 47258595 | + |
| TC1200000660.oe.1 | 2.22 | 1.15 | 2.22 | up | 5.96 | 4.81 | Inc-AC0210(NONCODE | cl Inc-AC0210(NONHSAT0: chr12 | 52241545 | 52252186 | + |
| TC1200000693.oe.1 | -2.25 | -1.17 | 2.25 | down | 4.59 | 5.76 | Inc-TARBP2- LNCipedia | lc Inc-TARBP2- NONHSAT0: chr12 | 53639006 | 53639268 | + |
| TC1200000752.oe.1 | -2.83 | -1.50 | 2.83 | down | 8.10 | 9.60 | Inc-RP11-6C LNCipedia | lc Inc-RP11-6C NONHSAT0: chr12 | 56086519 | 56088064 | + |
| TC1200000754.oe.1 | -2.66 | -1.41 | 2.66 | down | 3.75 | 5.16 | Inc-RP11-6C LNCipedia | lc Inc-RP11-6C NONHSAT0: chr12 | 56093514 | 56093992 | + |
| TC1200000756.oe.1 | -2.13 | -1.09 | 2.13 | down | 5.43 | 6.52 | Inc-RP11-6C NONCODE | cl Inc-RP11-6C NONHSAT0: chr12 | 56099866 | 56100300 | + |
| TC1200000758.oe.1 | 2.05 | 1.03 | 2.05 | up | 9.34 | 8.30 | Inc-ZC3H10 NONCODE | cl Inc-ZC3H10 NONHSAT0: chr12 | 56116590 | 56117831 | + |
| TC1200000848.oe.1 | 2.54 | 1.34 | 2.54 | up | 4.23 | 2.88 | Inc-TMEM5- LNCipedia | lc Inc-TMEM5- --- chr12 | 63892328 | 63900553 | + |
| TC1200000881.oe.1 | -3.02 | -1.59 | 3.02 | down | 3.06 | 4.66 | Inc-IRAK3-4 LNCipedia | lc Inc-IRAK3-4 --- chr12 | 65949374 | 65949721 | + |

| | | | | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|-------------|-----------|--------------|----------------|-----------|-----------|----------|---|
| TC1200000930.oe.1 | 2.62 | 1.39 | 2.62 | up | 13.32 | 11.93 | Inc-LYZ-2 | NONCODE | Inc-LYZ-2:1 | NONHSAT0:chr12 | 69239620 | 69258189 | + | |
| TC1200001005.oe.1 | 3.94 | 1.98 | 3.94 | up | 6.92 | 4.94 | Inc-SYT1-10 | LNCipedia | Inc-SYT1-10 | NONHSAT0:chr12 | 77940267 | 77950895 | + | |
| TC1200001006.oe.1 | 5.86 | 2.55 | 5.86 | up | 11.03 | 8.47 | Inc-SYT1-9 | NONCODE | Inc-SYT1-9: | NONHSAT0:chr12 | 77966276 | 78006594 | + | |
| TC1200001007.oe.1 | 3.98 | 1.99 | 3.98 | up | 7.53 | 5.54 | Inc-SYT1-8 | NONCODE | Inc-SYT1-8: | NONHSAT0:chr12 | 78007178 | 78010897 | + | |
| TC1200001008.oe.1 | 3.77 | 1.91 | 3.77 | up | 9.20 | 7.29 | Inc-SYT1-7 | LNCipedia | Inc-SYT1-7: | NONHSAT0:chr12 | 78199159 | 78200562 | + | |
| TC1200001134.oe.1 | 2.28 | 1.19 | 2.28 | up | 6.00 | 4.81 | Inc-RP11-53 | LNCipedia | Inc-RP11-53 | NONHSAT0:chr12 | 95865079 | 95866451 | + | |
| TC1200001176.oe.1 | -2.19 | -1.13 | 2.19 | down | 10.29 | 11.42 | Inc-NR1H4- | NONCODE | Inc-NR1H4- | NONHSAT0:chr12 | 100601642 | 100618687 | + | |
| TC1200001229.oe.1 | -2.11 | -1.08 | 2.11 | down | 9.68 | 10.76 | Inc-C12orf7 | NONCODE | Inc-C12orf7: | NONHSAT0:chr12 | 105156615 | 105162790 | + | |
| TC1200001315.oe.1 | 2.07 | 1.05 | 2.07 | up | 5.96 | 4.91 | Inc-ALDH2- | LNCipedia | Inc-ALDH2- | NONHSAT0:chr12 | 111843032 | 111843423 | + | |
| TC1200001334.oe.1 | 3.57 | 1.84 | 3.57 | up | 8.70 | 6.86 | Inc-OAS2-2 | LNCipedia | Inc-OAS2-2 | NONHSAT0:chr12 | 112969332 | 112970705 | + | |
| TC1200001416.oe.1 | 3.83 | 1.94 | 3.83 | up | 7.54 | 5.60 | Inc-SRRM4- | NONCODE | Inc-SRRM4- | NONHSAT0:chr12 | 119186800 | 119193828 | + | |
| TC1200001428.oe.1 | 2.62 | 1.39 | 2.62 | up | 7.45 | 6.06 | Inc-SIRT4-7 | LNCipedia | Inc-SIRT4-7: | NONHSAT0:chr12 | 120080681 | 120090027 | + | |
| TC1200001468.oe.1 | 2.16 | 1.11 | 2.16 | up | 6.17 | 5.06 | Inc-PSMD9- | NONCODE | Inc-PSMD9- | NONHSAT0:chr12 | 121902048 | 121921391 | + | |
| TC1200001484.oe.1 | -2.43 | -1.28 | 2.43 | down | 8.92 | 10.21 | Inc-DENR-5 | LNCipedia | Inc-DENR-5 | NONHSAT0:chr12 | 122592818 | 122602644 | + | |
| TC1200001485.oe.1 | -2.69 | -1.43 | 2.69 | down | 9.78 | 11.20 | Inc-DENR-4 | LNCipedia | Inc-DENR-4 | NONHSAT0:chr12 | 122609197 | 122613669 | + | |
| TC1200001570.oe.1 | -2.26 | -1.17 | 2.26 | down | 14.20 | 15.37 | Inc-TMEM13 | LNCipedia | Inc-TMEM13 | NONHSAT0:chr12 | 127165923 | 127166390 | + | |
| TC1200001653.oe.1 | 2.10 | 1.07 | 2.10 | up | 10.82 | 9.74 | Inc-PXMP2- | LNCipedia | Inc-PXMP2- | NONHSAT0:chr12 | 132717966 | 132721084 | + | |
| TC1200001672.oe.1 | 2.00 | 1.00 | 2.00 | up | 7.40 | 6.39 | Inc-IQSEC3- | LNCipedia | Inc-IQSEC3- | NONHSAT0:chr12 | 18117 | 26957 | - | |
| TC1200001677.oe.1 | 2.67 | 1.42 | 2.67 | up | 5.40 | 3.98 | OTTHUMG0 | LNCipedia | Inc-SLC6A12 | NONHSAT0:chr12 | 164664 | 166321 | - | |
| TC1200001682.oe.1 | -2.03 | -1.02 | 2.03 | down | 4.19 | 5.21 | NONHSAG0 | LNCipedia | Inc-KDM5A- | NONHSAT0:chr12 | 273954 | 277123 | - | |
| TC1200001697.oe.1 | 2.34 | 1.22 | 2.34 | up | 5.47 | 4.25 | Inc-CACNA2 | LNCipedia | Inc-CACNA2 | NONHSAT0:chr12 | 1587361 | 1593038 | - | |
| TC1200001784.oe.1 | 2.17 | 1.12 | 2.17 | up | 7.25 | 6.13 | Inc-CHD4-1 | NONCODE | Inc-CHD4-1 | NONHSAT0:chr12 | 6566576 | 6568296 | - | |
| TC1200001809.oe.1 | 3.08 | 1.62 | 3.08 | up | 5.66 | 4.04 | Inc-RBP5-5 | NONCODE | Inc-RBP5-5: | NONHSAT0:chr12 | 7089648 | 7090358 | - | |
| TC1200001810.oe.1 | 2.58 | 1.37 | 2.58 | up | 4.80 | 3.43 | Inc-RBP5-4 | NONCODE | Inc-RBP5-4: | NONHSAT0:chr12 | 7091156 | 7092493 | - | |
| TC1200001826.oe.1 | 2.57 | 1.36 | 2.57 | up | 6.86 | 5.50 | Inc-SLC2A14 | LNCipedia | Inc-SLC2A14 | NONHSAT0:chr12 | 7921547 | 7925908 | - | |
| TC1200001891.oe.1 | -2.02 | -1.01 | 2.02 | down | 4.46 | 5.47 | Inc-TAS2R5 | NONCODE | Inc-TAS2R5 | NONHSAT0:chr12 | 10964425 | 10965352 | - | |
| TC1200001900.oe.1 | -2.18 | -1.13 | 2.18 | down | 7.98 | 9.11 | Inc-MANSC | LNCipedia | Inc-MANSC | NONHSAT0:chr12 | 12116029 | 12119873 | - | |
| TC1200001977.oe.1 | 2.97 | 1.57 | 2.97 | up | 4.65 | 3.07 | Inc-C12orf7 | NONCODE | Inc-C12orf7 | NONHSAT0:chr12 | 24817656 | 24830328 | - | |
| TC1200001988.oe.1 | -2.07 | -1.05 | 2.07 | down | 3.13 | 4.18 | Inc-KRAS-3 | NONCODE | Inc-KRAS-3: | NONHSAT0:chr12 | 25435581 | 25436238 | - | |
| TC1200002097.oe.1 | -2.20 | -1.14 | 2.20 | down | 6.59 | 7.72 | Inc-ABCD2- | NONCODE | Inc-ABCD2- | NONHSAT0:chr12 | 39309752 | 39321648 | - | |
| TC1200002127.oe.1 | -2.88 | -1.52 | 2.88 | down | 5.26 | 6.79 | Inc-PUS7L-1 | LNCipedia | Inc-PUS7L-1 | NONHSAT0:chr12 | 43718993 | 43724000 | - | |
| TC1200002143.oe.1 | -2.07 | -1.05 | 2.07 | down | 13.31 | 14.36 | Inc-SLC38A1 | LNCipedia | Inc-SLC38A1 | NONHSAT0:chr12 | 45924947 | 45926710 | - | |
| TC1200002179.oe.1 | 3.16 | 1.66 | 3.16 | up | 7.92 | 6.25 | Inc-HDAC7- | LNCipedia | Inc-HDAC7- | NONHSAT0:chr12 | 47865053 | 47879044 | - | |
| TC1200002220.oe.1 | 2.44 | 1.29 | 2.44 | up | 10.33 | 9.04 | Inc-LMBR1L | LNCipedia | Inc-LMBR1L | NONHSAT0:chr12 | 49128981 | 49131395 | - | |
| TC1200002222.oe.1 | 2.26 | 1.17 | 2.26 | up | 7.95 | 6.78 | OTTHUMG0 | LNCipedia | Inc-C1QL4- | NONHSAT0:chr12 | 49265156 | 49273306 | - | |
| TC1200002306.oe.1 | 2.01 | 1.01 | 2.01 | up | 5.31 | 4.30 | NONHSAG0 | LNCipedia | Inc-AAAS-1: | NONHSAT0:chr12 | 53298655 | 53300314 | - | |
| TC1200002307.oe.1 | 2.05 | 1.04 | 2.05 | up | 7.56 | 6.52 | Inc-SP7-2 | NONCODE | Inc-SP7-2:1 | NONHSAT0:chr12 | 53307738 | 53315127 | - | |
| TC1200002336.oe.1 | 2.18 | 1.12 | 2.18 | up | 5.69 | 4.57 | Inc-ZNF385 | LNCipedia | Inc-ZNF385 | NONHSAT0:chr12 | 54403632 | 54404629 | - | |
| TC1200002349.oe.1 | 2.26 | 1.18 | 2.26 | up | 9.09 | 7.91 | Inc-OR6C70 | LNCipedia | Inc-OR6C70 | NONHSAT0:chr12 | 55412625 | 55413431 | - | |
| TC1200002375.oe.1 | -2.28 | -1.19 | 2.28 | down | 4.88 | 6.07 | Inc-SMARCC | LNCipedia | Inc-SMARCC | NONHSAT0:chr12 | 56103124 | 56103508 | - | |
| TC1200002376.oe.1 | 2.10 | 1.07 | 2.10 | up | 7.17 | 6.10 | Inc-SMARCC | LNCipedia | Inc-SMARCC | NONHSAT0:chr12 | 56104614 | 56113905 | - | |
| TC1200002403.oe.1 | 2.76 | 1.46 | 2.76 | up | 8.67 | 7.21 | Inc-NACA-2 | LNCipedia | Inc-NACA-2 | NONHSAT0:chr12 | 56688026 | 56688226 | - | |
| TC1200002526.oe.1 | -2.06 | -1.04 | 2.06 | down | 3.06 | 4.11 | RP11-1143G | N/A | --- | --- | chr12 | 69326574 | 69331882 | - |
| TC1200002530.oe.1 | -2.18 | -1.13 | 2.18 | down | 2.41 | 3.54 | LOC101928 | LNCipedia | Inc-BEST3-1 | NONHSAT0:chr12 | 69705973 | 69738568 | - | |
| TC1200002544.oe.1 | 2.16 | 1.11 | 2.16 | up | 5.92 | 4.81 | NONHSAG0 | LNCipedia | Inc-TSPAN8 | NONHSAT0:chr12 | 71047402 | 71118247 | - | |
| TC1200002589.oe.1 | 2.16 | 1.11 | 2.16 | up | 8.19 | 7.07 | Inc-E2F7-7 | LNCipedia | Inc-E2F7-7:1 | NONHSAT0:chr12 | 76858716 | 76864954 | - | |
| TC1200002617.oe.1 | -2.03 | -1.02 | 2.03 | down | 4.63 | 5.65 | Inc-LIN7A-3 | LNCipedia | Inc-LIN7A-3 | NONHSAT0:chr12 | 80792520 | 80795906 | - | |
| TC1200002815.oe.1 | 6.71 | 2.75 | 6.71 | up | 7.73 | 4.98 | OTTHUMG0 | NONCODE | Inc-NFYB-1: | NONHSAT0:chr12 | 104262314 | 104280722 | - | |
| TC1200002923.oe.1 | 2.37 | 1.25 | 2.37 | up | 5.65 | 4.41 | Inc-NAA25- | NONCODE | Inc-NAA25- | NONHSAT0:chr12 | 112160263 | 112162262 | - | |

| | | | | | | | | | | | |
|-------------------|-------|-------|-------|------|-------|-------|-------------------------|--------------------------------|-----------|-----------|---|
| TC1200002932.oe.1 | 2.30 | 1.20 | 2.30 | up | 6.76 | 5.55 | Inc-IQCD-1 LNCipedia | lc Inc-IQCD-1: NONHSAT0: chr12 | 113176828 | 113177363 | - |
| TC1200002946.oe.1 | 20.83 | 4.38 | 20.83 | up | 9.66 | 5.28 | Inc-TBX5-4 NONCODE | l Inc-TBX5-4: NONHSAT0: chr12 | 114677581 | 114680987 | - |
| TC1200003041.oe.1 | 2.19 | 1.13 | 2.19 | up | 7.44 | 6.31 | OTTHUMG0 NONCODE | c Inc-SPPL3.1: NONHSAT0: chr12 | 120696314 | 120703825 | - |
| TC1200003059.oe.1 | 2.63 | 1.40 | 2.63 | up | 6.21 | 4.81 | Inc-RHOF-4 LNCipedia | lc Inc-RHOF-4 NONHSAT0: chr12 | 121856598 | 121858855 | - |
| TC1200003076.oe.1 | -2.47 | -1.31 | 2.47 | down | 10.69 | 11.99 | Inc-CDK2AP NONCODE | c Inc-CDK2AP NONHSAT0: chr12 | 123230037 | 123233101 | - |
| TC1200003096.oe.1 | -7.53 | -2.91 | 7.53 | down | 2.87 | 5.78 | RP11-214K3 LNCipedia | lc Inc-DNAH1(NONHSAT0: chr12 | 123966077 | 123966629 | - |
| TC1200003099.oe.1 | -2.67 | -1.42 | 2.67 | down | 4.64 | 6.06 | RP11-214K3 LNCipedia | lc Inc-DNAH1(NONHSAT0: chr12 | 123971457 | 123971714 | - |
| TC1200003229.oe.1 | 2.04 | 1.03 | 2.04 | up | 4.89 | 3.87 | Inc-GALNT9 NONCODE | c Inc-GALNT9 NONHSAT0: chr12 | 132141006 | 132142373 | - |
| TC12001201.hg.4 | 2.49 | 1.31 | 2.49 | up | 7.13 | 5.82 | LOC642846/ DEAD/H (Asj | --- chr12 | 9417691 | 9448228 | - |
| TC12001420.hg.4 | -4.24 | -2.08 | 4.24 | down | 2.73 | 4.81 | RNY5 RNA, Ro-ass | --- chr12 | 45187091 | 45187469 | - |
| TC12002057.hg.4 | -3.85 | -1.95 | 3.85 | down | 7.58 | 9.52 | HNF1A-AS1 HNF1A antis | --- chr12 | 120969838 | 120972292 | - |
| TC1300000197.oe.1 | 2.55 | 1.35 | 2.55 | up | 4.22 | 2.87 | Inc-FRY-1 furry homolc | Inc-FRY-1:1 NONHSAT0: chr13 | 32297335 | 32299122 | + |
| TC1300000211.oe.1 | -2.28 | -1.19 | 2.28 | down | 3.33 | 4.52 | Inc-RFC3-4 LNCipedia | lc Inc-RFC3-4: NONHSAT0: chr13 | 33772098 | 33787164 | + |
| TC1300000447.oe.1 | -2.13 | -1.09 | 2.13 | down | 3.09 | 4.18 | Inc-OLFM4- NONCODE | c Inc-OLFM4- NONHSAT0: chr13 | 53760721 | 53774984 | + |
| TC1300000680.oe.1 | 2.17 | 1.12 | 2.17 | up | 4.03 | 2.91 | Inc-GPR180- LNCipedia | lc Inc-GPR180- NONHSAT0: chr13 | 94649048 | 94649586 | + |
| TC1300000783.oe.1 | 2.65 | 1.41 | 2.65 | up | 5.47 | 4.06 | XLOC_01048 long interge | Inc-DAOA-4 NONHSAT0: chr13 | 106376563 | 106378595 | + |
| TC1300001078.oe.1 | 2.21 | 1.14 | 2.21 | up | 3.65 | 2.51 | LINC00423// LNCipedia | lc Inc-STARD1: NONHSAT1: chr13 | 32809190 | 32911652 | - |
| TC1300001179.oe.1 | -3.08 | -1.62 | 3.08 | down | 9.14 | 10.77 | RP11-5G9.6 N/A | --- chr13 | 43894725 | 43895182 | - |
| TC1300001250.oe.1 | -2.19 | -1.13 | 2.19 | down | 2.88 | 4.01 | Inc-AL13621 LNCipedia | lc Inc-AL13621 NONHSAT0: chr13 | 49533918 | 49539503 | - |
| TC1300001322.oe.1 | -3.02 | -1.59 | 3.02 | down | 2.72 | 4.31 | Inc-DIAPH3- LNCipedia | lc Inc-DIAPH3- --- chr13 | 58559074 | 58563053 | - |
| TC1300001410.oe.1 | -2.03 | -1.02 | 2.03 | down | 3.41 | 4.43 | LINC01034// NONCODE | c Inc-COMME NONHSAT0: chr13 | 76013023 | 76014501 | - |
| TC1300001436.oe.1 | -2.16 | -1.11 | 2.16 | down | 3.08 | 4.19 | Inc-POU4F1 LNCipedia | lc Inc-POU4F1 NONHSAT0: chr13 | 78631381 | 78632921 | - |
| TC1300001441.oe.1 | -2.15 | -1.11 | 2.15 | down | 3.62 | 4.73 | Inc-RNF219- LNCipedia | lc Inc-RNF219- --- chr13 | 79316220 | 79350237 | - |
| TC1300001471.oe.1 | -2.64 | -1.40 | 2.64 | down | 2.97 | 4.37 | Inc-SLITRK6- LNCipedia | lc Inc-SLITRK6- --- chr13 | 88012847 | 88034890 | - |
| TC1300001503.oe.1 | 2.24 | 1.17 | 2.24 | up | 4.02 | 2.85 | Inc-DCT-1 LNCipedia | lc Inc-DCT-1:1 NONHSAT0: chr13 | 94488893 | 94491018 | - |
| TC13000107.hg.4 | 2.65 | 1.40 | 2.65 | up | 7.26 | 5.85 | EEF1DP3 eukaryotic tr | --- chr13 | 31846783 | 31959584 | + |
| TC1400000032.oe.1 | 2.07 | 1.05 | 2.07 | up | 10.41 | 9.36 | Inc-APEX1-3 LNCipedia | lc Inc-APEX1-3 NONHSAT0: chr14 | 20476489 | 20477087 | + |
| TC1400000036.oe.1 | 2.20 | 1.14 | 2.20 | up | 4.79 | 3.65 | Inc-EDDM3/ LNCipedia | lc Inc-EDDM3/ NONHSAT0: chr14 | 20721196 | 20735853 | + |
| TC1400000081.oe.1 | 2.08 | 1.05 | 2.08 | up | 7.65 | 6.59 | Inc-AE00066 LNCipedia | lc Inc-AE00066 NONHSAT0: chr14 | 22611541 | 22612358 | + |
| TC1400000157.oe.1 | -2.53 | -1.34 | 2.53 | down | 3.67 | 5.01 | Inc-FOXG1- LNCipedia | lc Inc-FOXG1- --- chr14 | 27833680 | 27833946 | + |
| TC1400000203.oe.1 | -3.13 | -1.65 | 3.13 | down | 9.52 | 11.17 | Inc-RP11-18 LNCipedia | lc Inc-RP11-18 NONHSAT0: chr14 | 32154010 | 32157216 | + |
| TC1400000247.oe.1 | -2.00 | -1.00 | 2.00 | down | 3.56 | 4.56 | Inc-BRMS1L LNCipedia | lc Inc-BRMS1L NONHSAT0: chr14 | 35948352 | 35949143 | + |
| TC1400000324.oe.1 | 2.11 | 1.08 | 2.11 | up | 5.09 | 4.01 | Inc-PRPF39- LNCipedia | lc Inc-PRPF39- NONHSAT0: chr14 | 45136514 | 45137959 | + |
| TC1400000353.oe.1 | -2.53 | -1.34 | 2.53 | down | 9.29 | 10.63 | Inc-ARF6-3 LNCipedia | lc Inc-ARF6-3: NONHSAT0: chr14 | 49894417 | 49897054 | + |
| TC1400000482.oe.1 | -3.94 | -1.98 | 3.94 | down | 3.86 | 5.84 | Inc-TOMM2/ LNCipedia | lc Inc-TOMM2 NONHSAT0: chr14 | 58351297 | 58359172 | + |
| TC1400000483.oe.1 | -2.16 | -1.11 | 2.16 | down | 4.85 | 5.96 | Inc-TOMM2 LNCipedia | lc Inc-TOMM2 NONHSAT0: chr14 | 58365475 | 58371960 | + |
| TC1400000540.oe.1 | 2.35 | 1.23 | 2.35 | up | 4.38 | 3.14 | Inc-SYNE2-5 LNCipedia | lc Inc-SYNE2-5 --- chr14 | 63580381 | 63580719 | + |
| TC1400000558.oe.1 | -2.17 | -1.12 | 2.17 | down | 5.70 | 6.81 | Inc-FNTB-2 LNCipedia | lc Inc-FNTB-2: NONHSAT0: chr14 | 64933813 | 64935368 | + |
| TC1400000576.oe.1 | -2.33 | -1.22 | 2.33 | down | 3.21 | 4.43 | Inc-MPP5-1 NONCODE | c Inc-MPP5-1 NONHSAT0: chr14 | 67227471 | 67228544 | + |
| TC1400000664.oe.1 | 2.01 | 1.01 | 2.01 | up | 6.64 | 5.63 | Inc-ACOT1- LNCipedia | lc Inc-ACOT1- --- chr14 | 73490964 | 73493392 | + |
| TC1400000717.oe.1 | -2.07 | -1.05 | 2.07 | down | 5.38 | 6.43 | Inc-ESRRB-3 LNCipedia | lc Inc-ESRRB-3 NONHSAT0: chr14 | 76196438 | 76199542 | + |
| TC1400000765.oe.1 | -2.27 | -1.18 | 2.27 | down | 2.57 | 3.75 | Inc-RP11-49 LNCipedia | lc Inc-RP11-49 --- chr14 | 85140628 | 85197861 | + |
| TC1400000771.oe.1 | -2.61 | -1.38 | 2.61 | down | 4.73 | 6.12 | Inc-RP11-49 NONCODE | c Inc-RP11-49 NONHSAT0: chr14 | 85623690 | 85626228 | + |
| TC1400000831.oe.1 | 2.03 | 1.02 | 2.03 | up | 4.92 | 3.90 | Inc-CTD-25/ NONCODE | c Inc-CTD-25/ NONHSAT0: chr14 | 91419449 | 91419751 | + |
| TC1400000835.oe.1 | -2.06 | -1.04 | 2.06 | down | 2.68 | 3.72 | Inc-SLC24A4 LNCipedia | lc Inc-SLC24A4 --- chr14 | 92137206 | 92141887 | + |
| TC1400000895.oe.1 | -2.18 | -1.12 | 2.18 | down | 8.15 | 9.27 | Inc-AK7-3 LNCipedia | lc Inc-AK7-3:1 NONHSAT0: chr14 | 96534223 | 96537059 | + |
| TC1400001066.oe.1 | 2.68 | 1.42 | 2.68 | up | 7.31 | 5.89 | Inc-BTBD6-2 NONCODE | c Inc-BTBD6-2 NONHSAT0: chr14 | 105250677 | 105251099 | + |
| TC1400001069.oe.1 | -2.16 | -1.11 | 2.16 | down | 3.03 | 4.15 | Inc-TEX22-3 LNCipedia | lc Inc-TEX22-3 NONHSAT0: chr14 | 105374618 | 105374971 | + |
| TC1400001166.oe.1 | 2.03 | 1.02 | 2.03 | up | 6.11 | 5.09 | Inc-CDH24- NONCODE | c Inc-CDH24- NONHSAT0: chr14 | 23061572 | 23062770 | - |

| | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|-----------------------|---------------------------------|-----------|-----------|---|
| TC1400001308.oe.1 | -3.49 | -1.80 | 3.49 | down | 4.30 | 6.10 | Inc-NFKBIA- LNCipedia | lc Inc-NFKBIA- NONHSAT0: chr14 | 35549174 | 35572860 | - |
| TC1400001368.oe.1 | 2.07 | 1.05 | 2.07 | up | 9.61 | 8.56 | Inc-KLHL28- LNCipedia | lc Inc-KLHL28- NONHSAT0: chr14 | 44887434 | 44887741 | - |
| TC1400001442.oe.1 | -2.21 | -1.15 | 2.21 | down | 3.71 | 4.85 | Inc-NID2-5 LNCipedia | lc Inc-NID2-5: NONHSAT0: chr14 | 51998175 | 51999916 | - |
| TC1400001623.oe.1 | 2.29 | 1.20 | 2.29 | up | 6.70 | 5.51 | Inc-VTI1B-2 LNCipedia | lc Inc-VTI1B-2 NONHSAT0: chr14 | 67589755 | 67592776 | - |
| TC1400001702.oe.1 | 2.16 | 1.11 | 2.16 | up | 5.24 | 4.12 | Inc-HEATR4 LNCipedia | lc Inc-HEATR4 NONHSAT0: chr14 | 73568238 | 73569833 | - |
| TC1400001897.oe.1 | -2.25 | -1.17 | 2.25 | down | 8.50 | 9.67 | Inc-CATSPEI LNCipedia | lc Inc-CATSPEI NONHSAT0: chr14 | 91812016 | 91813828 | - |
| TC1400002000.oe.1 | 2.07 | 1.05 | 2.07 | up | 7.82 | 6.77 | Inc-SLC25A2 NONCODE | cl Inc-SLC25A2 NONHSAT0: chr14 | 100361703 | 100375547 | - |
| TC14001019.hg.4 | 2.16 | 1.11 | 2.16 | up | 8.72 | 7.61 | ARHGAP5-A ARHGAP5 | ar --- --- chr14 | 32075419 | 32076793 | - |
| TC14002287.hg.4 | -2.05 | -1.03 | 2.05 | down | 4.64 | 5.68 | ECRP | ribonuclease --- --- chr14 | 20919341 | 20920299 | + |
| TC1500000102.oe.1 | -2.26 | -1.18 | 2.26 | down | 4.38 | 5.56 | Inc-GOLGA8 LNCipedia | lc Inc-GOLGA8 --- chr15 | 28604592 | 28607342 | + |
| TC1500000176.oe.1 | -2.04 | -1.03 | 2.04 | down | 3.77 | 4.80 | Inc-C15orf5 LNCipedia | lc Inc-C15orf5: NONHSAT0: chr15 | 34336408 | 34340368 | + |
| TC1500000232.oe.1 | 2.32 | 1.22 | 2.32 | up | 6.89 | 5.67 | Inc-C15orf5 NONCODE | cl Inc-C15orf5: NONHSAT0: chr15 | 39585635 | 39588616 | + |
| TC1500000233.oe.1 | 4.03 | 2.01 | 4.03 | up | 7.37 | 5.36 | Inc-C15orf5 NONCODE | cl Inc-C15orf5: NONHSAT0: chr15 | 39588848 | 39589843 | + |
| TC1500000234.oe.1 | 2.97 | 1.57 | 2.97 | up | 10.24 | 8.67 | Inc-C15orf5 NONCODE | cl Inc-C15orf5: NONHSAT0: chr15 | 39590928 | 39591618 | + |
| TC1500000235.oe.1 | 2.98 | 1.57 | 2.98 | up | 13.87 | 12.30 | Inc-EIF2AK4 LNCipedia | lc Inc-EIF2AK4 NONHSAT0: chr15 | 39594068 | 39595551 | + |
| TC1500000236.oe.1 | 3.91 | 1.97 | 3.91 | up | 10.86 | 8.89 | Inc-EIF2AK4 LNCipedia | lc Inc-EIF2AK4 --- chr15 | 39595680 | 39597832 | + |
| TC1500000273.oe.1 | -2.34 | -1.23 | 2.34 | down | 3.28 | 4.51 | Inc-RAD51- NONCODE | cl Inc-RAD51-: NONHSAT0: chr15 | 40662573 | 40663904 | + |
| TC1500000279.oe.1 | 2.70 | 1.43 | 2.70 | up | 5.84 | 4.41 | Inc-VPS18-4 NONCODE | cl Inc-VPS18-4 NONHSAT0: chr15 | 40854378 | 40856899 | + |
| TC1500000347.oe.1 | -2.03 | -1.02 | 2.03 | down | 9.44 | 10.46 | Inc-EIF3J-1 LNCipedia | lc Inc-EIF3J-1: NONHSAT0: chr15 | 44519224 | 44525947 | + |
| TC1500000379.oe.1 | -2.08 | -1.06 | 2.08 | down | 3.15 | 4.21 | OTTHUMG0 LNCipedia | lc Inc-SLC24A5 NONHSAT0: chr15 | 47274183 | 47275164 | + |
| TC1500000436.oe.1 | -2.96 | -1.57 | 2.96 | down | 4.95 | 6.52 | RP11-56B16 N/A | --- --- chr15 | 51833134 | 51833426 | + |
| TC1500000451.oe.1 | -2.01 | -1.01 | 2.01 | down | 3.74 | 4.75 | Inc-MAPK6- LNCipedia | lc Inc-MAPK6- NONHSAT0: chr15 | 52577842 | 52598709 | + |
| TC1500000472.oe.1 | -2.06 | -1.04 | 2.06 | down | 2.88 | 3.92 | RP11-420M LNCipedia | lc Inc-RP11-17 NONHSAT0: chr15 | 55680385 | 55681463 | + |
| TC1500000494.oe.1 | 2.01 | 1.00 | 2.01 | up | 3.69 | 2.69 | OTTHUMG0 NONCODE | cl Inc-GCOM1 NONHSAT0: chr15 | 57720295 | 57720928 | + |
| TC1500000514.oe.1 | -2.36 | -1.24 | 2.36 | down | 5.80 | 7.04 | Inc-RNF111 LNCipedia | lc Inc-RNF111 NONHSAT0: chr15 | 58855827 | 58857551 | + |
| TC1500000576.oe.1 | -2.30 | -1.20 | 2.30 | down | 3.30 | 4.50 | Inc-FBXL22- LNCipedia | lc Inc-FBXL22- --- chr15 | 63676880 | 63677241 | + |
| TC1500000606.oe.1 | -2.51 | -1.33 | 2.51 | down | 4.63 | 5.95 | Inc-RAB11A LNCipedia | lc Inc-RAB11A NONHSAT0: chr15 | 65890771 | 65891991 | + |
| TC1500000705.oe.1 | 2.13 | 1.09 | 2.13 | up | 10.84 | 9.75 | Inc-C15orf6 LNCipedia | lc Inc-C15orf6 NONHSAT0: chr15 | 73709565 | 73714514 | + |
| TC1500000841.oe.1 | 3.25 | 1.70 | 3.25 | up | 6.79 | 5.09 | Inc-MESDC1 LNCipedia | lc Inc-MESDC1 NONHSAT0: chr15 | 80946944 | 80949162 | + |
| TC1500000894.oe.1 | -2.48 | -1.31 | 2.48 | down | 2.80 | 4.10 | Inc-ZSCAN2 NONCODE | cl Inc-ZSCAN2 NONHSAT0: chr15 | 84661754 | 84662191 | + |
| TC1500001415.oe.1 | 3.37 | 1.75 | 3.37 | up | 10.15 | 8.40 | Inc-SPTBN5 LNCipedia | lc Inc-SPTBN5 NONHSAT0: chr15 | 41899432 | 41900010 | - |
| TC1500001431.oe.1 | -2.43 | -1.28 | 2.43 | down | 10.62 | 11.90 | Inc-EPB42-4 LNCipedia | lc Inc-EPB42-4 NONHSAT0: chr15 | 43015796 | 43036264 | - |
| TC1500001474.oe.1 | 2.14 | 1.10 | 2.14 | up | 5.15 | 4.05 | RP11-109D2 LNCipedia | lc Inc-DUOX2- NONHSAT0: chr15 | 45073492 | 45074048 | - |
| TC1500001539.oe.1 | -2.34 | -1.23 | 2.34 | down | 7.49 | 8.71 | Inc-USP50-4 NONCODE | cl Inc-USP50-4 NONHSAT0: chr15 | 50574959 | 50586582 | - |
| TC1500001553.oe.1 | -2.90 | -1.54 | 2.90 | down | 6.28 | 7.82 | Inc-CYP19A NONCODE | cl Inc-CYP19A: NONHSAT0: chr15 | 51453248 | 51458878 | - |
| TC1500001573.oe.1 | -2.09 | -1.06 | 2.09 | down | 3.18 | 4.24 | RP11-519C1 LNCipedia | lc Inc-ARPP19: NONHSAT0: chr15 | 52648634 | 52649866 | - |
| TC1500001575.oe.1 | -2.17 | -1.11 | 2.17 | down | 9.42 | 10.53 | Inc-ONECU1 LNCipedia | lc Inc-ONECU1 NONHSAT0: chr15 | 52757315 | 52791076 | - |
| TC1500001682.oe.1 | -3.23 | -1.69 | 3.23 | down | 5.35 | 7.04 | Inc-C2CD4B NONCODE | cl Inc-C2CD4B NONHSAT0: chr15 | 61951860 | 61961671 | - |
| TC1500001813.oe.1 | 2.11 | 1.08 | 2.11 | up | 5.80 | 4.72 | Inc-UACA-6 NONCODE | cl Inc-UACA-6 NONHSAT0: chr15 | 70048977 | 70058815 | - |
| TC1500001823.oe.1 | -3.06 | -1.61 | 3.06 | down | 6.41 | 8.02 | Inc-LARP6-4 NONCODE | cl Inc-LARP6-4 NONHSAT0: chr15 | 70678099 | 70680034 | - |
| TC1500001839.oe.1 | -3.49 | -1.80 | 3.49 | down | 3.60 | 5.40 | Inc-GRAMD LNCipedia | lc Inc-GRAMD: NONHSAT0: chr15 | 71883701 | 71888607 | - |
| TC1500001841.oe.1 | -2.21 | -1.14 | 2.21 | down | 4.87 | 6.02 | Inc-GRAMD NONCODE | cl Inc-GRAMD: NONHSAT0: chr15 | 71935140 | 71960403 | - |
| TC1500001879.oe.1 | 2.61 | 1.38 | 2.61 | up | 8.86 | 7.48 | Inc-RP11-24 LNCipedia | lc Inc-RP11-24 NONHSAT0: chr15 | 74182227 | 74182878 | - |
| TC1500001969.oe.1 | -2.05 | -1.03 | 2.05 | down | 3.99 | 5.02 | Inc-ACSBG1 LNCipedia | lc Inc-ACSBG1 NONHSAT0: chr15 | 78290527 | 78291221 | - |
| TC1500002060.oe.1 | 2.32 | 1.21 | 2.32 | up | 8.80 | 7.59 | Inc-SEC11A LNCipedia | lc Inc-SEC11A NONHSAT0: chr15 | 85204032 | 85204330 | - |
| TC1500002104.oe.1 | 2.28 | 1.19 | 2.28 | up | 13.60 | 12.40 | Inc-HAPLN3 NONCODE | cl Inc-HAPLN3 NONHSAT0: chr15 | 88905382 | 88906716 | - |
| TC1600000149.oe.1 | 3.78 | 1.92 | 3.78 | up | 10.75 | 8.83 | Inc-TNFRSF1 NONCODE | cl Inc-TNFRSF1 NONHSAT1: chr16 | 3020390 | 3022383 | + |
| TC1600000197.oe.1 | 2.34 | 1.23 | 2.34 | up | 7.05 | 5.83 | Inc-ALG1-2 NONCODE | cl Inc-ALG1-2: NONHSAT1: chr16 | 5085071 | 5087379 | + |
| TC1600000400.oe.1 | -2.72 | -1.44 | 2.72 | down | 4.18 | 5.62 | Inc-AC0043 LNCipedia | lc Inc-AC0043: NONHSAT1: chr16 | 20783264 | 20786152 | + |

| | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|---|----------|------------|
| TC1600000401.oe.1 | -2.11 | -1.08 | 2.11 | down | 4.08 | 5.15 | Inc-AC0043{NONCODE cInc-AC0043{NONHSAT1 chr16 | 20796078 | 20797156 + |
| TC1600000408.oe.1 | -2.69 | -1.43 | 2.69 | down | 3.97 | 5.40 | Inc-ANKS4B NONCODE cInc-ANKS4B NONHSAT1 chr16 | 21304270 | 21306591 + |
| TC1600000491.oe.1 | 2.08 | 1.06 | 2.08 | up | 5.15 | 4.09 | Inc-KIAA055 LNCipedia lcInc-KIAA055 NONHSAT1 chr16 | 27550133 | 27574295 + |
| TC1600000609.oe.1 | 2.70 | 1.43 | 2.70 | up | 8.44 | 7.00 | Inc-BCKDK-; LNCipedia lcInc-BCKDK-; --- chr16 | 31103629 | 31103977 + |
| TC1600000622.oe.1 | 2.82 | 1.49 | 2.82 | up | 4.82 | 3.32 | Inc-ITGAD-2 LNCipedia lcInc-ITGAD-2 NONHSAT1 chr16 | 31371474 | 31372654 + |
| TC1600000831.oe.1 | -2.76 | -1.46 | 2.76 | down | 6.31 | 7.77 | Inc-RBL2-4 NONCODE cInc-RBL2-4; NONHSAT1 chr16 | 53208032 | 53226403 + |
| TC1600000875.oe.1 | 2.16 | 1.11 | 2.16 | up | 4.33 | 3.22 | RP11-413H2 NONCODE cInc-OGFOD; NONHSAT1 chr16 | 56409320 | 56411683 + |
| TC1600000886.oe.1 | 2.21 | 1.14 | 2.21 | up | 5.91 | 4.76 | Inc-NUP93-; LNCipedia lcInc-NUP93-; NONHSAT1 chr16 | 56841641 | 56846880 + |
| TC1600001006.oe.1 | -2.25 | -1.17 | 2.25 | down | 2.89 | 4.06 | Inc-PLEKHG; NONCODE cInc-PLEKHG; NONHSAT1 chr16 | 67326980 | 67347591 + |
| TC1600001209.oe.1 | -2.18 | -1.13 | 2.18 | down | 4.65 | 5.78 | RP11-358L2 N/A --- --- chr16 | 78123243 | 78124332 + |
| TC1600001236.oe.1 | -2.03 | -1.02 | 2.03 | down | 3.35 | 4.37 | CTD-2055G; NONCODE cInc-DYNLRB NONHSAT1 chr16 | 80736360 | 80742305 + |
| TC1600001350.oe.1 | 2.02 | 1.02 | 2.02 | up | 7.90 | 6.89 | Inc-JPH3-7 LNCipedia lcInc-JPH3-7; NONHSAT1 chr16 | 87392423 | 87399504 + |
| TC1600001410.oe.1 | 2.21 | 1.14 | 2.21 | up | 8.36 | 7.21 | Inc-RPL13-4 NONCODE cInc-RPL13-4 NONHSAT1 chr16 | 89579346 | 89581530 + |
| TC1600001738.oe.1 | 2.02 | 1.02 | 2.02 | up | 3.69 | 2.68 | Inc-PARN-1 LNCipedia lcInc-PARN-1 --- chr16 | 14270610 | 14277767 - |
| TC1600001797.oe.1 | 2.03 | 1.02 | 2.03 | up | 8.48 | 7.46 | Inc-ARL6IP1 LNCipedia lcInc-ARL6IP1 NONHSAT1 chr16 | 18788544 | 18790340 - |
| TC1600001801.oe.1 | -3.13 | -1.65 | 3.13 | down | 4.60 | 6.25 | Inc-ARL6IP1 LNCipedia lcInc-ARL6IP1 NONHSAT1 chr16 | 18856338 | 18861487 - |
| TC1600001836.oe.1 | -2.11 | -1.08 | 2.11 | down | 9.05 | 10.13 | Inc-CRYM-3 LNCipedia lcInc-CRYM-3 NONHSAT1 chr16 | 21432024 | 21434455 - |
| TC1600001856.oe.1 | -2.67 | -1.42 | 2.67 | down | 4.59 | 6.00 | Inc-COG7-2 NONCODE cInc-COG7-2 NONHSAT1 chr16 | 23061406 | 23064173 - |
| TC1600002117.oe.1 | 5.20 | 2.38 | 5.20 | up | 6.62 | 4.24 | Inc-ABCC11 LNCipedia lcInc-ABCC11 NONHSAT1 chr16 | 48084055 | 48086640 - |
| TC1600002118.oe.1 | 2.79 | 1.48 | 2.79 | up | 5.56 | 4.08 | Inc-ABCC11 NONCODE cInc-ABCC11 NONHSAT1 chr16 | 48087166 | 48091238 - |
| TC1600002409.oe.1 | -2.10 | -1.07 | 2.10 | down | 3.16 | 4.24 | Inc-ZNF19-2 LNCipedia lcInc-ZNF19-2 NONHSAT1 chr16 | 71456782 | 71462392 - |
| TC1600002417.oe.1 | 2.32 | 1.21 | 2.32 | up | 6.59 | 5.38 | Inc-ZNF821- NONCODE cInc-ZNF821- NONHSAT1 chr16 | 71789323 | 71809084 - |
| TC1600002451.oe.1 | -2.40 | -1.27 | 2.40 | down | 6.45 | 7.72 | Inc-CLEC18E NONCODE cInc-CLEC18E NONHSAT1 chr16 | 74377490 | 74377819 - |
| TC1600002488.oe.1 | -3.13 | -1.65 | 3.13 | down | 2.58 | 4.23 | Inc-ADAMT; LNCipedia lcInc-ADAMT; NONHSAT1 chr16 | 76994308 | 77008307 - |
| TC1600002565.oe.1 | 2.05 | 1.03 | 2.05 | up | 4.14 | 3.10 | Inc-COTL1-2 LNCipedia lcInc-COTL1-; --- chr16 | 84778324 | 84784278 - |
| TC1600002582.oe.1 | 2.05 | 1.03 | 2.05 | up | 5.69 | 4.65 | Inc-C16orf7- NONCODE cInc-C16orf7- NONHSAT1 chr16 | 85779398 | 85781223 - |
| TC16000229.hg.4 | -2.15 | -1.10 | 2.15 | down | 7.96 | 9.07 | CRYM-AS1 CRYM antise --- --- chr16 | 21300849 | 21318591 + |
| TC1700000002.oe.1 | 2.22 | 1.15 | 2.22 | up | 6.03 | 4.88 | Inc-C17orf9- NONCODE cInc-C17orf9- NONHSAT1 chr17 | 206418 | 206810 + |
| TC1700000063.oe.1 | -2.44 | -1.29 | 2.44 | down | 5.80 | 7.09 | RP11-135N; N/A --- --- chr17 | 2639297 | 2642418 + |
| TC1700000104.oe.1 | 2.38 | 1.25 | 2.38 | up | 10.26 | 9.01 | Inc-RNF167- NONCODE cInc-RNF167- NONHSAT1 chr17 | 4940046 | 4940836 + |
| TC1700000162.oe.1 | 2.29 | 1.20 | 2.29 | up | 8.78 | 7.58 | Inc-SLC35G; NONCODE cInc-SLC35G; NONHSAT1 chr17 | 7502085 | 7502724 + |
| TC1700000166.oe.1 | 2.07 | 1.05 | 2.07 | up | 10.13 | 9.08 | OTTHUMG0; small nucleo Inc-SEN3-1 NONHSAT1 chr17 | 7572706 | 7582024 + |
| TC1700000331.oe.1 | 2.15 | 1.10 | 2.15 | up | 7.40 | 6.30 | Inc-MYO15- NONCODE cInc-MYO15- NONHSAT1 chr17 | 18087961 | 18099221 + |
| TC1700000395.oe.1 | -2.34 | -1.23 | 2.34 | down | 7.15 | 8.37 | Inc-AC1159; LNCipedia lcInc-AC1159; NONHSAT1 chr17 | 19672352 | 19677595 + |
| TC1700000428.oe.1 | 2.14 | 1.09 | 2.14 | up | 6.86 | 5.76 | Inc-KCNJ12- NONCODE cInc-KCNJ12- NONHSAT0; chr17 | 21284710 | 21314227 + |
| TC1700000470.oe.1 | 2.71 | 1.44 | 2.71 | up | 5.39 | 3.95 | Inc-KSR1-1 NONCODE cInc-KSR1-1; NONHSAT0; chr17 | 27623535 | 27626435 + |
| TC1700000525.oe.1 | -3.39 | -1.76 | 3.39 | down | 8.07 | 9.83 | Inc-TAOK1-; LNCipedia lcInc-TAOK1-; --- chr17 | 29544715 | 29545717 + |
| TC1700000526.oe.1 | -2.98 | -1.58 | 2.98 | down | 8.46 | 10.04 | Inc-TAOK1-; NONCODE lInc-TAOK1-; NONHSAT0; chr17 | 29546887 | 29552359 + |
| TC1700000542.oe.1 | -2.24 | -1.16 | 2.24 | down | 11.52 | 12.68 | Inc-GOSR1- NONCODE cInc-GOSR1- NONHSAT0; chr17 | 30438985 | 30444144 + |
| TC1700000630.oe.1 | -2.10 | -1.07 | 2.10 | down | 11.37 | 12.44 | Inc-CCL2-9 LNCipedia lcInc-CCL2-9; --- chr17 | 34083580 | 34083847 + |
| TC1700000822.oe.1 | 2.21 | 1.14 | 2.21 | up | 14.98 | 13.84 | Inc-AOC2-1 LNCipedia lcInc-AOC2-1 NONHSAT0; chr17 | 42833418 | 42834804 + |
| TC1700000937.oe.1 | 2.12 | 1.08 | 2.12 | up | 6.45 | 5.36 | Inc-RP11-2; LNCipedia lcInc-RP11-2; NONHSAT0; chr17 | 47369616 | 47374638 + |
| TC1700000956.oe.1 | -2.36 | -1.24 | 2.36 | down | 3.35 | 4.59 | Inc-SNX11-; LNCipedia lcInc-SNX11-; --- chr17 | 48148329 | 48149933 + |
| TC1700000981.oe.1 | 2.24 | 1.16 | 2.24 | up | 8.11 | 6.95 | Inc-B4GALN LNCipedia lcInc-B4GALN NONHSAT0; chr17 | 49051815 | 49055155 + |
| TC1700001005.oe.1 | 2.41 | 1.27 | 2.41 | up | 10.01 | 8.74 | Inc-PDK2-2 NONCODE cInc-PDK2-2; NONHSAT0; chr17 | 50077400 | 50079016 + |
| TC1700001034.oe.1 | -2.23 | -1.16 | 2.23 | down | 11.32 | 12.48 | Inc-ABCC3-; NONCODE cInc-ABCC3-; NONHSAT0; chr17 | 50736635 | 50741247 + |
| TC1700001035.oe.1 | -2.43 | -1.28 | 2.43 | down | 12.41 | 13.69 | Inc-ABCC3-; NONCODE cInc-ABCC3-; NONHSAT0; chr17 | 50743672 | 50745858 + |
| TC1700001038.oe.1 | -2.04 | -1.03 | 2.04 | down | 4.07 | 5.10 | Inc-ABCC3-; LNCipedia lcInc-ABCC3-; NONHSAT0; chr17 | 50753056 | 50756213 + |
| TC1700001061.oe.1 | -2.22 | -1.15 | 2.22 | down | 5.35 | 6.51 | Inc-TOM1L1 LNCipedia lcInc-TOM1L1 --- chr17 | 54763265 | 54763520 + |

| | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|----------------------------|---------------------------------|----------|----------|---|
| TC1700001170.oe.1 | 3.77 | 1.92 | 3.77 | up | 10.95 | 9.04 | Inc-C17orf8; LNCipedia | lc Inc-C17orf8; NONHSAT0! chr17 | 61401773 | 61403163 | + |
| TC1700001227.oe.1 | 2.45 | 1.29 | 2.45 | up | 6.31 | 5.02 | Inc-AC0374; LNCipedia | lc Inc-AC0374; NONHSAT0! chr17 | 64814985 | 64822052 | + |
| TC1700001258.oe.1 | 2.01 | 1.01 | 2.01 | up | 10.93 | 9.92 | Inc-NOL11-; NONCODE | cl Inc-NOL11-; NONHSAT0! chr17 | 67532905 | 67632421 | + |
| TC1700001282.oe.1 | -2.17 | -1.12 | 2.17 | down | 5.49 | 6.60 | Inc-AMZ2-2 LNCipedia | lc Inc-AMZ2-2 NONHSAT0! chr17 | 68267029 | 68267396 | + |
| TC1700001334.oe.1 | 2.73 | 1.45 | 2.73 | up | 7.85 | 6.40 | Inc-DNAI2-2 LNCipedia | lc Inc-DNAI2-2; NONHSAT0! chr17 | 74249365 | 74250730 | + |
| TC1700001448.oe.1 | 2.06 | 1.04 | 2.06 | up | 7.41 | 6.37 | Inc-C1QTNF NONCODE | cl Inc-C1QTNF NONHSAT0! chr17 | 78855478 | 78855844 | + |
| TC1700001515.oe.1 | 2.01 | 1.00 | 2.01 | up | 7.95 | 6.94 | Inc-HGS-1 LNCipedia | lc Inc-HGS-1;1 NONHSAT0! chr17 | 81703501 | 81704420 | + |
| TC1700001520.oe.1 | 2.09 | 1.06 | 2.09 | up | 9.84 | 8.78 | NONHSAG0 NONCODE | cl Inc-GCGR-1 NONHSAT0! chr17 | 81843165 | 81843958 | + |
| TC1700001546.oe.1 | 2.44 | 1.29 | 2.44 | up | 9.45 | 8.16 | Inc-TEX19-1 LNCipedia | lc Inc-TEX19-1 NONHSAT0! chr17 | 82236474 | 82237416 | + |
| TC1700001562.oe.1 | 2.49 | 1.31 | 2.49 | up | 11.79 | 10.48 | Inc-NARF-5 LNCipedia | lc Inc-NARF-5; NONHSAT0! chr17 | 82582775 | 82586043 | + |
| TC1700001692.oe.1 | 2.12 | 1.09 | 2.12 | up | 10.46 | 9.37 | Inc-ANKFY1 LNCipedia | lc Inc-ANKFY1 NONHSAT1! chr17 | 4064799 | 4072827 | - |
| TC1700001703.oe.1 | 2.51 | 1.33 | 2.51 | up | 7.72 | 6.39 | Inc-GGT6-2 NONCODE | cl Inc-GGT6-2; NONHSAT1! chr17 | 4539439 | 4542100 | - |
| TC1700001704.oe.1 | 2.58 | 1.37 | 2.58 | up | 7.57 | 6.21 | Inc-GGT6-1 LNCipedia | lc Inc-GGT6-1; NONHSAT1! chr17 | 4552183 | 4555358 | - |
| TC1700001757.oe.1 | -2.19 | -1.13 | 2.19 | down | 3.34 | 4.47 | Inc-AC0277; LNCipedia | lc Inc-AC0277; NONHSAT1! chr17 | 6980856 | 6981165 | - |
| TC1700001782.oe.1 | 3.46 | 1.79 | 3.46 | up | 6.13 | 4.34 | Inc-SOX15-; NONCODE | cl Inc-SOX15-; NONHSAT1! chr17 | 7591442 | 7592357 | - |
| TC1700001808.oe.1 | 2.15 | 1.11 | 2.15 | up | 6.44 | 5.33 | Inc-AURKB-; NONCODE | cl Inc-AURKB-; NONHSAT1! chr17 | 8230268 | 8230933 | - |
| TC1700002011.oe.1 | -2.38 | -1.25 | 2.38 | down | 3.89 | 5.15 | Inc-SLC47A2 LNCipedia | lc Inc-SLC47A2 NONHSAT1! chr17 | 19639128 | 19640550 | - |
| TC1700002215.oe.1 | -2.07 | -1.05 | 2.07 | down | 4.16 | 5.21 | Inc-ACCN1- LNCipedia | lc Inc-ACCN1- NONHSAT0! chr17 | 34219118 | 34251909 | - |
| TC1700002225.oe.1 | 2.04 | 1.03 | 2.04 | up | 4.30 | 3.27 | RP5-837J1.4 LNCipedia | lc Inc-RAD51D NONHSAT0! chr17 | 35073831 | 35074374 | - |
| TC1700002303.oe.1 | -2.16 | -1.11 | 2.16 | down | 3.65 | 4.77 | Inc-SRCIN1- LNCipedia | lc Inc-SRCIN1- NONHSAT0! chr17 | 38636682 | 38637016 | - |
| TC1700002464.oe.1 | 2.04 | 1.03 | 2.04 | up | 8.99 | 7.96 | Inc-SLC25A3 LNCipedia | lc Inc-SLC25A3 NONHSAT0! chr17 | 44319614 | 44319996 | - |
| TC1700002483.oe.1 | -2.17 | -1.12 | 2.17 | down | 2.94 | 4.06 | Inc-DCAKD- LNCipedia | lc Inc-DCAKD- --- chr17 | 45004464 | 45004665 | - |
| TC1700002515.oe.1 | -2.53 | -1.34 | 2.53 | down | 6.97 | 8.31 | Inc-KIAA126 LNCipedia | lc Inc-KIAA126 --- chr17 | 45941539 | 45941745 | - |
| TC1700002622.oe.1 | -2.64 | -1.40 | 2.64 | down | 7.32 | 8.72 | Inc-TOB1-4 LNCipedia | lc Inc-TOB1-4; NONHSAT0! chr17 | 50964149 | 50965494 | - |
| TC1700002628.oe.1 | -2.07 | -1.05 | 2.07 | down | 3.97 | 5.01 | RP11-421E1 LNCipedia | lc Inc-SPAG9-; NONHSAT0! chr17 | 51249577 | 51251748 | - |
| TC1700002663.oe.1 | 2.17 | 1.12 | 2.17 | up | 8.08 | 6.96 | Inc-COIL-7 LNCipedia | lc Inc-COIL-7; NONHSAT0! chr17 | 56890521 | 56891526 | - |
| TC1700002709.oe.1 | -2.38 | -1.25 | 2.38 | down | 3.46 | 4.71 | RP11-567L7 NONCODE | cl Inc-SKA2-2; NONHSAT0! chr17 | 59400488 | 59403303 | - |
| TC1700002777.oe.1 | 2.05 | 1.04 | 2.05 | up | 6.82 | 5.79 | Inc-ERN1-1 NONCODE | cl Inc-ERN1-1; NONHSAT0! chr17 | 64039150 | 64041843 | - |
| TC1700002843.oe.1 | -2.16 | -1.11 | 2.16 | down | 3.42 | 4.53 | Inc-ABCA10 LNCipedia | lc Inc-ABCA10 NONHSAT0! chr17 | 69247376 | 69249141 | - |
| TC1700002921.oe.1 | 2.80 | 1.48 | 2.80 | up | 6.72 | 5.24 | Inc-GRB2-2 NONCODE | cl Inc-GRB2-2; NONHSAT0! chr17 | 75506743 | 75507635 | - |
| TC1700002935.oe.1 | 2.05 | 1.03 | 2.05 | up | 5.83 | 4.80 | Inc-WBP2-2 NONCODE | cl Inc-WBP2-2 NONHSAT0! chr17 | 75840755 | 75841156 | - |
| TC1700002969.oe.1 | 2.01 | 1.00 | 2.01 | up | 11.15 | 10.14 | Inc-JMJD6-2 NONCODE | cl Inc-JMJD6-2 NONHSAT0! chr17 | 76679571 | 76710974 | - |
| TC1700002996.oe.1 | 2.56 | 1.36 | 2.56 | up | 6.35 | 5.00 | Inc-TK1-2 LNCipedia | lc Inc-TK1-2;1 NONHSAT0! chr17 | 78223982 | 78224432 | - |
| TC1700003006.oe.1 | 3.00 | 1.58 | 3.00 | up | 8.21 | 6.63 | Inc-TIMP2-1 LNCipedia | lc Inc-TIMP2-1 NONHSAT0! chr17 | 78835279 | 78840786 | - |
| TC1700003013.oe.1 | 2.02 | 1.02 | 2.02 | up | 10.77 | 9.76 | Inc-LGALS3; LNCipedia | lc Inc-LGALS3; NONHSAT0! chr17 | 78993784 | 78995249 | - |
| TC1700003087.oe.1 | 2.16 | 1.11 | 2.16 | up | 9.97 | 8.85 | Inc-P4HB-2 LNCipedia | lc Inc-P4HB-2; NONHSAT0! chr17 | 81869523 | 81870265 | - |
| TC1700003101.oe.1 | 2.58 | 1.37 | 2.58 | up | 6.78 | 5.41 | Inc-RFNG-2 LNCipedia | lc Inc-RFNG-2 NONHSAT0! chr17 | 82057880 | 82063477 | - |
| TC17000121.hg.4 | 2.11 | 1.08 | 2.11 | up | 4.23 | 3.16 | SCARNA21 small Cajal b --- | --- chr17 | 7906122 | 7906260 | + |
| TC17000179.hg.4 | -2.19 | -1.13 | 2.19 | down | 2.76 | 3.89 | MEIS3P1 Meis homeo --- | --- chr17 | 15786850 | 15789705 | + |
| TC17000940.hg.4 | 2.17 | 1.12 | 2.17 | up | 7.79 | 6.67 | MAFG-AS1 MAFG antise --- | --- chr17 | 81927829 | 81930753 | + |
| TC1800000014.oe.1 | -2.21 | -1.15 | 2.21 | down | 3.66 | 4.80 | RP11-806L2 NONCODE | cl Inc-TYMS-2 NONHSAT0! chr18 | 706523 | 707648 | + |
| TC1800000029.oe.1 | -2.12 | -1.09 | 2.12 | down | 2.63 | 3.72 | Inc-NDC80- NONCODE | cl Inc-NDC80- NONHSAT0! chr18 | 1963907 | 1972875 | + |
| TC1800000055.oe.1 | -2.32 | -1.22 | 2.32 | down | 4.00 | 5.22 | Inc-AP00247 LNCipedia | lc Inc-AP00247 --- chr18 | 3441009 | 3441248 | + |
| TC1800000134.oe.1 | -2.49 | -1.32 | 2.49 | down | 5.12 | 6.43 | Inc-TXNDC2 LNCipedia | lc Inc-TXNDC2 --- chr18 | 9939991 | 9940343 | + |
| TC1800000207.oe.1 | 2.36 | 1.24 | 2.36 | up | 6.70 | 5.46 | Inc-MC5R-1 NONCODE | l Inc-MC5R-1 NONHSAT0! chr18 | 14201138 | 14221409 | + |
| TC1800000222.oe.1 | 2.20 | 1.14 | 2.20 | up | 6.60 | 5.46 | Inc-SNRPD1 LNCipedia | lc Inc-SNRPD1 NONHSAT0! chr18 | 21449741 | 21451370 | + |
| TC1800000352.oe.1 | -2.06 | -1.04 | 2.06 | down | 3.18 | 4.22 | Inc-GALNT1 LNCipedia | lc Inc-GALNT1 --- chr18 | 35737684 | 35737896 | + |
| TC1800000497.oe.1 | -6.56 | -2.71 | 6.56 | down | 6.49 | 9.21 | Inc-C18orf2; LNCipedia | lc Inc-C18orf2; NONHSAT0! chr18 | 54892644 | 54895106 | + |
| TC1800000611.oe.1 | 2.06 | 1.04 | 2.06 | up | 4.63 | 3.58 | Inc-CCDC10 LNCipedia | lc Inc-CCDC10 NONHSAT0! chr18 | 68455951 | 68456877 | + |

| | | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|------------------------|---------------------------|-------|----------|----------|---|
| TC1800000615.oe.1 | 2.37 | 1.24 | 2.37 | up | 4.51 | 3.26 | Inc-DOK6-6 LNCipedia | lc Inc-DOK6-6 NONHSAT0! | chr18 | 68846395 | 68874965 | + |
| TC1800000627.oe.1 | -2.37 | -1.25 | 2.37 | down | 7.59 | 8.83 | Inc-DOK6-3 LNCipedia | lc Inc-DOK6-3 NONHSAT0! | chr18 | 70327517 | 70330195 | + |
| TC1800000675.oe.1 | 2.37 | 1.25 | 2.37 | up | 5.77 | 4.53 | Inc-TSHZ1-1 LNCipedia | lc Inc-TSHZ1-1 NONHSAT0! | chr18 | 74877198 | 74905938 | + |
| TC1800000787.oe.1 | -2.06 | -1.04 | 2.06 | down | 2.98 | 4.02 | Inc-DLGAP1 LNCipedia | lc Inc-DLGAP1 NONHSAT0! | chr18 | 4161046 | 4162646 | - |
| TC1800000825.oe.1 | -2.04 | -1.03 | 2.04 | down | 3.01 | 4.04 | Inc-PPP4R1- LNCipedia | lc Inc-PPP4R1- --- | chr18 | 9281111 | 9324470 | - |
| TC1800000849.oe.1 | 2.21 | 1.14 | 2.21 | up | 6.13 | 4.99 | Inc-RP11-67 LNCipedia | lc Inc-RP11-67 NONHSAT0! | chr18 | 10794070 | 10795004 | - |
| TC1800000862.oe.1 | 2.42 | 1.27 | 2.42 | up | 10.70 | 9.43 | Inc-MPPE1-1 LNCipedia | lc Inc-MPPE1-1 NONHSAT0! | chr18 | 11851414 | 11852751 | - |
| TC1800000960.oe.1 | 2.03 | 1.02 | 2.03 | up | 4.93 | 3.90 | Inc-NPC1-3 LNCipedia | lc Inc-NPC1-3- --- | chr18 | 23430389 | 23430611 | - |
| TC1800000961.oe.1 | 2.31 | 1.21 | 2.31 | up | 11.97 | 10.76 | Inc-ANKRD2 NONCODE | cl Inc-ANKRD2 NONHSAT0! | chr18 | 23533202 | 23534560 | - |
| TC1800000962.oe.1 | 2.68 | 1.42 | 2.68 | up | 8.56 | 7.13 | Inc-ANKRD2 LNCipedia | lc Inc-ANKRD2 --- | chr18 | 23539241 | 23539565 | - |
| TC1800001020.oe.1 | -2.17 | -1.12 | 2.17 | down | 4.75 | 5.87 | Inc-MCART2 NONCODE | cl Inc-MCART2 NONHSAT0! | chr18 | 31830498 | 31833406 | - |
| TC1800001063.oe.1 | -2.15 | -1.10 | 2.15 | down | 15.33 | 16.44 | Inc-SLC39A1 LNCipedia | lc Inc-SLC39A1 --- | chr18 | 36238967 | 36239177 | - |
| TC1800001118.oe.1 | 2.29 | 1.20 | 2.29 | up | 4.56 | 3.36 | Inc-EPG5-4 LNCipedia | lc Inc-EPG5-4: NONHSAT0! | chr18 | 45991936 | 45993974 | - |
| TC1800001203.oe.1 | -2.80 | -1.49 | 2.80 | down | 3.88 | 5.37 | Inc-AC0063 LNCipedia | lc Inc-AC0063 NONHSAT0! | chr18 | 56599068 | 56600986 | - |
| TC1800001211.oe.1 | 2.36 | 1.24 | 2.36 | up | 4.86 | 3.62 | RP11-706P1 N/A | --- --- | chr18 | 57588611 | 57589091 | - |
| TC1800001294.oe.1 | -2.15 | -1.10 | 2.15 | down | 3.05 | 4.16 | Inc-CD226-1 LNCipedia | lc Inc-CD226-1 NONHSAT0! | chr18 | 68697376 | 68700423 | - |
| TC1800001376.oe.1 | -2.09 | -1.07 | 2.09 | down | 3.70 | 4.77 | RP11-4B16.1N/A | --- --- | chr18 | 77108284 | 77110537 | - |
| TC1800001377.oe.1 | -2.98 | -1.57 | 2.98 | down | 5.98 | 7.56 | Inc-ZNF516- LNCipedia | lc Inc-ZNF516- --- | chr18 | 77125605 | 77127925 | - |
| TC18000020.hg.4 | 2.81 | 1.49 | 2.81 | up | 8.32 | 6.83 | DLGAP1-AS: DLGAP1 anti | --- --- | chr18 | 3594114 | 3598352 | + |
| TC1900000113.oe.1 | 2.34 | 1.23 | 2.34 | up | 9.48 | 8.25 | Inc-GNA15- NONCODE | cl Inc-GNA15- NONHSAT0! | chr19 | 3094649 | 3115428 | + |
| TC1900000116.oe.1 | 2.33 | 1.22 | 2.33 | up | 6.92 | 5.70 | Inc-CELF5-1 LNCipedia | lc Inc-CELF5-1 NONHSAT0! | chr19 | 3207466 | 3209571 | + |
| TC1900000202.oe.1 | -2.21 | -1.15 | 2.21 | down | 7.77 | 8.91 | CTD-2396E7 N/A | --- --- | chr19 | 6469465 | 6470152 | + |
| TC1900000299.oe.1 | 3.38 | 1.76 | 3.38 | up | 13.75 | 11.99 | Inc-ICAM4-1 LNCipedia | lc Inc-ICAM4-1: NONHSAT0! | chr19 | 10285485 | 10285698 | + |
| TC1900000322.oe.1 | 4.38 | 2.13 | 4.38 | up | 9.90 | 7.77 | Inc-SMARCA1 NONCODE | cl Inc-SMARCA1 NONHSAT0! | chr19 | 11106356 | 11107515 | + |
| TC1900000323.oe.1 | 2.54 | 1.34 | 2.54 | up | 6.48 | 5.14 | Inc-SMARCA1 LNCipedia | lc Inc-SMARCA1 NONHSAT0! | chr19 | 11110713 | 11113481 | + |
| TC1900000465.oe.1 | 2.13 | 1.09 | 2.13 | up | 6.54 | 5.45 | Inc-MYO9B- LNCipedia | lc Inc-MYO9B- NONHSAT0! | chr19 | 17215392 | 17217489 | + |
| TC1900000471.oe.1 | 2.07 | 1.05 | 2.07 | up | 8.86 | 7.80 | Inc-MRPL34 LNCipedia | lc Inc-MRPL34 NONHSAT0! | chr19 | 17315772 | 17319719 | + |
| TC1900000574.oe.1 | -2.01 | -1.01 | 2.01 | down | 5.43 | 6.43 | Inc-ZNF714- NONCODE | cl Inc-ZNF714- NONHSAT0! | chr19 | 21123817 | 21124188 | + |
| TC1900000649.oe.1 | -2.08 | -1.06 | 2.08 | down | 12.90 | 13.95 | NONHSAG0 NONCODE | cl Inc-VSTM2B NONHSAT0! | chr19 | 28606688 | 28615229 | + |
| TC1900000726.oe.1 | -2.11 | -1.08 | 2.11 | down | 4.31 | 5.39 | Inc-PDCD2L LNCipedia | lc Inc-PDCD2L NONHSAT0! | chr19 | 34389107 | 34390806 | + |
| TC1900000728.oe.1 | 2.14 | 1.10 | 2.14 | up | 6.91 | 5.82 | Inc-PDCD2L NONCODE | cl Inc-PDCD2L NONHSAT0! | chr19 | 34404827 | 34426167 | + |
| TC1900000730.oe.1 | -2.63 | -1.40 | 2.63 | down | 3.54 | 4.94 | Inc-WTIP-1 NONCODE | cl Inc-WTIP-1: NONHSAT0! | chr19 | 34542666 | 34543390 | + |
| TC1900000809.oe.1 | -2.37 | -1.25 | 2.37 | down | 10.46 | 11.70 | Inc-CAPNS1 LNCipedia | lc Inc-CAPNS1 NONHSAT0! | chr19 | 36228459 | 36235868 | + |
| TC1900001154.oe.1 | -2.05 | -1.04 | 2.05 | down | 11.37 | 12.41 | Inc-CD37-2 LNCipedia | lc Inc-CD37-2: NONHSAT0! | chr19 | 49275119 | 49275420 | + |
| TC1900001351.oe.1 | 2.01 | 1.01 | 2.01 | up | 6.57 | 5.56 | Inc-CCDC10 LNCipedia | lc Inc-CCDC10 NONHSAT0! | chr19 | 55654132 | 55655019 | + |
| TC1900001358.oe.1 | -2.09 | -1.07 | 2.09 | down | 3.20 | 4.27 | Inc-EPN1-4 NONCODE | cl Inc-EPN1-4: NONHSAT0! | chr19 | 55700049 | 55701219 | + |
| TC1900001394.oe.1 | -2.92 | -1.54 | 2.92 | down | 6.68 | 8.22 | Inc-ZNF460- LNCipedia | lc Inc-ZNF460- NONHSAT0! | chr19 | 57304305 | 57308562 | + |
| TC1900001652.oe.1 | 3.12 | 1.64 | 3.12 | up | 5.33 | 3.69 | Inc-GPR108- LNCipedia | lc Inc-GPR108- NONHSAT0! | chr19 | 6712280 | 6713315 | - |
| TC1900001818.oe.1 | 2.09 | 1.06 | 2.09 | up | 8.11 | 7.05 | Inc-LYL1-2 NONCODE | cl Inc-LYL1-2:1 NONHSAT0! | chr19 | 13112955 | 13116733 | - |
| TC1900001900.oe.1 | 2.10 | 1.07 | 2.10 | up | 7.12 | 6.04 | Inc-MED26- NONCODE | cl Inc-MED26- NONHSAT0! | chr19 | 16555349 | 16566591 | - |
| TC1900001974.oe.1 | 2.05 | 1.03 | 2.05 | up | 4.90 | 3.86 | Inc-LPAR2-2 NONCODE | cl Inc-LPAR2-2 NONHSAT0! | chr19 | 19588092 | 19588416 | - |
| TC1900001977.oe.1 | 2.02 | 1.02 | 2.02 | up | 7.34 | 6.33 | Inc-GMIP-2 LNCipedia | lc Inc-GMIP-2: NONHSAT0! | chr19 | 19653777 | 19655451 | - |
| TC1900002057.oe.1 | -2.38 | -1.25 | 2.38 | down | 5.55 | 6.80 | Inc-ZNF91-2 LNCipedia | lc Inc-ZNF91-2: NONHSAT0! | chr19 | 23322938 | 23324418 | - |
| TC1900002169.oe.1 | -2.08 | -1.06 | 2.08 | down | 5.30 | 6.36 | Inc-AC0209 LNCipedia | lc Inc-AC0209 --- | chr19 | 35042466 | 35042697 | - |
| TC1900002264.oe.1 | -3.03 | -1.60 | 3.03 | down | 10.58 | 12.18 | Inc-ECH1-4 NONCODE | cl Inc-ECH1-4: NONHSAT0! | chr19 | 38801883 | 38803651 | - |
| TC1900002265.oe.1 | -3.47 | -1.79 | 3.47 | down | 8.19 | 9.99 | Inc-ECH1-3 NONCODE | cl Inc-ECH1-3: NONHSAT0! | chr19 | 38806461 | 38812945 | - |
| TC1900002328.oe.1 | 2.05 | 1.04 | 2.05 | up | 8.80 | 7.76 | Inc-B9D2-2 NONCODE | cl Inc-B9D2-2: NONHSAT0! | chr19 | 41332055 | 41344883 | - |
| TC1900002421.oe.1 | -2.06 | -1.05 | 2.06 | down | 3.76 | 4.81 | AC006126.4 LNCipedia | lc Inc-EXOC3L --- | chr19 | 45238632 | 45245370 | - |
| TC1900002476.oe.1 | 2.16 | 1.11 | 2.16 | up | 8.01 | 6.89 | Inc-TMEM11 LNCipedia | lc Inc-TMEM11 NONHSAT0! | chr19 | 47093749 | 47094487 | - |

| | | | | | | | | | | | | | |
|-------------------|--------|-------|-------|------|-------|-------|------------------------|---------------------|-----------------------|----------|----------|----------|---|
| TC1900002597.oe.1 | -2.17 | -1.12 | 2.17 | down | 3.53 | 4.65 | CTB-147C22 N/A | --- | --- | chr19 | 50962197 | 50962781 | - |
| TC1900002696.oe.1 | -3.80 | -1.92 | 3.80 | down | 4.75 | 6.68 | NONHSAG0 LNCipedia | lc | Inc-LENG9-:NONHSAT1 | chr19 | 54438010 | 54438346 | - |
| TC1900002698.oe.1 | -2.20 | -1.14 | 2.20 | down | 5.61 | 6.74 | NONHSAG0 LNCipedia | lc | Inc-LENG9-:NONHSAT1 | chr19 | 54438665 | 54439544 | - |
| TC1900002749.oe.1 | -2.38 | -1.25 | 2.38 | down | 5.64 | 6.90 | AC006116.1:NONCODE | cl | Inc-ZNF582-NONHSAT0 | chr19 | 56311928 | 56312486 | - |
| TC19000570.hg.4 | -11.21 | -3.49 | 11.21 | down | 5.98 | 9.47 | CYP2B7P cytochrome | --- | --- | chr19 | 40924265 | 40950660 | + |
| TC19000679.hg.4 | 2.04 | 1.03 | 2.04 | up | 5.48 | 4.45 | NAPA-AS1 NAPA antise | --- | --- | chr19 | 47484282 | 47501597 | + |
| TC19000694.hg.4 | -2.08 | -1.06 | 2.08 | down | 3.68 | 4.74 | SNAR-C3 small ILF3/N | --- | --- | chr19 | 47950296 | 47950414 | + |
| TC19000708.hg.4 | -2.48 | -1.31 | 2.48 | down | 4.14 | 5.45 | SEC1P secretory blc | --- | --- | chr19 | 48638039 | 48682245 | + |
| TC19001130.hg.4 | -2.80 | -1.49 | 2.80 | down | 5.67 | 7.16 | RAB11B-AS1 RAB11B anti | --- | --- | chr19 | 8374376 | 8390691 | - |
| TC2000000038.oe.1 | 2.24 | 1.16 | 2.24 | up | 7.74 | 6.57 | Inc-TMC2-3 NONCODE | cl | Inc-TMC2-3 NONHSAT0 | chr20 | 2652633 | 2653820 | + |
| TC2000000177.oe.1 | 2.06 | 1.04 | 2.06 | up | 13.06 | 12.02 | Inc-POLR3F- LNCipedia | lc | Inc-POLR3F- NONHSAT0 | chr20 | 18510977 | 18515984 | + |
| TC2000000191.oe.1 | -2.16 | -1.11 | 2.16 | down | 3.55 | 4.66 | Inc-INSM1-: LNCipedia | lc | Inc-INSM1-:NONHSAT0 | chr20 | 20354545 | 20355962 | + |
| TC2000000285.oe.1 | 2.43 | 1.28 | 2.43 | up | 11.36 | 10.08 | Inc-REM1-2 NONCODE | cl | Inc-REM1-2 NONHSAT0 | chr20 | 31514655 | 31538228 | + |
| TC2000000323.oe.1 | -2.26 | -1.18 | 2.26 | down | 3.84 | 5.02 | Inc-C20orf1- LNCipedia | lc | Inc-C20orf1- --- | chr20 | 33539090 | 33539334 | + |
| TC2000000364.oe.1 | 2.12 | 1.08 | 2.12 | up | 6.96 | 5.87 | Inc-C20orf2- NONCODE | cl | Inc-C20orf2- NONHSAT0 | chr20 | 36578807 | 36592298 | + |
| TC2000000439.oe.1 | -2.42 | -1.27 | 2.42 | down | 7.46 | 8.74 | Inc-SGK2-1 LNCipedia | lc | Inc-SGK2-1: NONHSAT0 | chr20 | 43564718 | 43588237 | + |
| TC2000000552.oe.1 | 3.11 | 1.64 | 3.11 | up | 7.78 | 6.15 | Inc-SNAI1-4 LNCipedia | lc | Inc-SNAI1-4 NONHSAT0 | chr20 | 50191750 | 50192009 | + |
| TC2000000682.oe.1 | 2.59 | 1.37 | 2.59 | up | 8.85 | 7.47 | Inc-OSBPL2- LNCipedia | lc | Inc-OSBPL2- NONHSAT0 | chr20 | 62304159 | 62306734 | + |
| TC2000000856.oe.1 | 2.01 | 1.01 | 2.01 | up | 10.53 | 9.52 | Inc-JAG1-7 LNCipedia | lc | Inc-JAG1-7: NONHSAT0 | chr20 | 10673629 | 10673976 | - |
| TC2000000888.oe.1 | -3.28 | -1.71 | 3.28 | down | 6.27 | 7.99 | Inc-SEL1L2- LNCipedia | lc | Inc-SEL1L2- NONHSAT0 | chr20 | 14328922 | 14337614 | - |
| TC2000001019.oe.1 | -2.06 | -1.04 | 2.06 | down | 2.71 | 3.75 | Inc-FAM182 LNCipedia | lc | Inc-FAM182 --- | chr20 | 25722019 | 25811201 | - |
| TC2000001072.oe.1 | 2.04 | 1.03 | 2.04 | up | 7.52 | 6.50 | Inc-E2F1-1 LNCipedia | lc | Inc-E2F1-1:1NONHSAT0 | chr20 | 33669143 | 33674420 | - |
| TC2000001107.oe.1 | 2.03 | 1.02 | 2.03 | up | 12.36 | 11.34 | Inc-FAM83C NONCODE | cl | Inc-FAM83C NONHSAT0 | chr20 | 35280074 | 35284702 | - |
| TC2000001284.oe.1 | 2.07 | 1.05 | 2.07 | up | 3.72 | 2.66 | Inc-PTGIS-2 LNCipedia | lc | Inc-PTGIS-2 --- | chr20 | 49474123 | 49474911 | - |
| TC20000751.hg.4 | -2.24 | -1.16 | 2.24 | down | 2.67 | 3.83 | DEFB122 defensin, bei | --- | --- | chr20 | 31421436 | 31429180 | - |
| TC2100000339.oe.1 | -2.01 | -1.01 | 2.01 | down | 2.98 | 3.98 | Inc-BACE2-: LNCipedia | lc | Inc-BACE2-: --- | chr21 | 40943256 | 40946203 | + |
| TC2100000343.oe.1 | 3.44 | 1.78 | 3.44 | up | 6.40 | 4.61 | Inc-FAM3B- NONCODE | cl | Inc-FAM3B- NONHSAT0 | chr21 | 41225476 | 41241903 | + |
| TC2100000344.oe.1 | 4.42 | 2.15 | 4.42 | up | 9.38 | 7.24 | Inc-FAM3B- LNCipedia | lc | Inc-FAM3B- NONHSAT0 | chr21 | 41245959 | 41275538 | + |
| TC2100000345.oe.1 | 2.23 | 1.16 | 2.23 | up | 5.84 | 4.68 | Inc-FAM3B- NONCODE | cl | Inc-FAM3B- NONHSAT0 | chr21 | 41252465 | 41257326 | + |
| TC2100000367.oe.1 | -2.33 | -1.22 | 2.33 | down | 6.08 | 7.30 | Inc-UBASH3 NONCODE | cl | Inc-UBASH3 NONHSAT0 | chr21 | 42292533 | 42293943 | + |
| TC2100000463.oe.1 | 2.39 | 1.26 | 2.39 | up | 5.54 | 4.28 | Inc-COL18A gene_id XLO | Inc-COL18A NONHSAT0 | chr21 | 45370948 | 45371927 | + | |
| TC2100000513.oe.1 | -3.29 | -1.72 | 3.29 | down | 15.34 | 17.06 | CH507-513: N/A | --- | --- | chr21 | 8210384 | 8211306 | - |
| TC2100000514.oe.1 | -3.71 | -1.89 | 3.71 | down | 15.28 | 17.17 | CH507-513: N/A | --- | --- | chr21 | 8254592 | 8255514 | - |
| TC2100000515.oe.1 | -3.82 | -1.94 | 3.82 | down | 15.08 | 17.02 | CH507-513: N/A | --- | --- | chr21 | 8393419 | 8394341 | - |
| TC2100000516.oe.1 | -3.07 | -1.62 | 3.07 | down | 15.45 | 17.07 | CH507-513: N/A | --- | --- | chr21 | 8437629 | 8438551 | - |
| TC2100000518.oe.1 | -2.34 | -1.23 | 2.34 | down | 13.69 | 14.92 | Inc-TPTE-3 NONCODE | cl | Inc-TPTE-3:1NONHSAT0 | chr21 | 8987561 | 8988887 | - |
| TC2100000550.oe.1 | -2.66 | -1.41 | 2.66 | down | 5.21 | 6.62 | Inc-LIPI-5 LNCipedia | lc | Inc-LIPI-5:1 NONHSAT1 | chr21 | 13916917 | 13917802 | - |
| TC2100000601.oe.1 | -2.58 | -1.37 | 2.58 | down | 2.65 | 4.01 | Inc-TMPRSS LNCipedia | lc | Inc-TMPRSS NONHSAT0 | chr21 | 18574969 | 18578511 | - |
| TC2100000634.oe.1 | 2.53 | 1.34 | 2.53 | up | 4.47 | 3.13 | Inc-MRPL39 LNCipedia | lc | Inc-MRPL39 --- | chr21 | 23226412 | 23243239 | - |
| TC2100000653.oe.1 | -2.37 | -1.24 | 2.37 | down | 2.87 | 4.11 | Inc-MRPL39 LNCipedia | lc | Inc-MRPL39 NONHSAT0 | chr21 | 25430145 | 25430357 | - |
| TC2100000852.oe.1 | -2.38 | -1.25 | 2.38 | down | 4.30 | 5.55 | Inc-RIPK4-6 NONCODE | cl | Inc-RIPK4-6: NONHSAT0 | chr21 | 41465890 | 41468837 | - |
| TC2100000872.oe.1 | 11.58 | 3.53 | 11.58 | up | 9.01 | 5.48 | Inc-TFF1-1 LNCipedia | lc | Inc-TFF1-1:1NONHSAT0 | chr21 | 42362282 | 42366535 | - |
| TC2100000950.oe.1 | 2.04 | 1.03 | 2.04 | up | 10.54 | 9.51 | Inc-SLC19A1NONCODE | cl | Inc-SLC19A1NONHSAT0 | chr21 | 45483805 | 45484746 | - |
| TC21000116.hg.4 | 2.88 | 1.52 | 2.88 | up | 5.26 | 3.73 | C21orf119 chromosome | --- | --- | chr21 | 32393130 | 32393960 | + |
| TC2200000011.oe.1 | -2.21 | -1.15 | 2.21 | down | 6.38 | 7.53 | LL22NC03-: LNCipedia | lc | Inc-AP0005: --- | chr22 | 15823197 | 15823890 | + |
| TC2200000270.oe.1 | -2.03 | -1.02 | 2.03 | down | 3.35 | 4.37 | Inc-MYO18E LNCipedia | lc | Inc-MYO18E --- | chr22 | 25606234 | 25616343 | + |
| TC2200000455.oe.1 | 2.01 | 1.01 | 2.01 | up | 4.98 | 3.98 | Inc-KCTD17- LNCipedia | lc | Inc-KCTD17- NONHSAT0 | chr22 | 37300882 | 37303295 | + |
| TC2200000466.oe.1 | 2.12 | 1.08 | 2.12 | up | 11.59 | 10.51 | Inc-NOL12.1 LNCipedia | lc | Inc-NOL12.1NONHSAT0 | chr22 | 37675652 | 37677228 | + |
| TC2200000580.oe.1 | 3.57 | 1.84 | 3.57 | up | 6.75 | 4.91 | Inc-SERHL2- NONCODE | cl | Inc-SERHL2- NONHSAT0 | chr22 | 42614914 | 42616588 | + |

| | | | | | | | | | | | | |
|-------------------|-------|-------|------|------|-------|-------|--------------------------|------------------------|-------|----------|----------|---|
| TC2200000632.oe.1 | -2.01 | -1.01 | 2.01 | down | 4.85 | 5.85 | lnc-FBLN1-3 LNCipedia | lnc-FBLN1-3 --- | chr22 | 45724103 | 45752075 | + |
| TC2200000749.oe.1 | 2.08 | 1.06 | 2.08 | up | 9.29 | 8.24 | lnc-ATP6V1f NONCODE c | lnc-ATP6V1f NONHSAT0f | chr22 | 17592137 | 17628822 | - |
| TC2200000855.oe.1 | -2.02 | -1.01 | 2.02 | down | 4.57 | 5.58 | LL22NC03-2 N/A | --- | chr22 | 22283928 | 22287220 | - |
| TC2200000987.oe.1 | 2.17 | 1.12 | 2.17 | up | 12.55 | 11.44 | lnc-TBC1D1f LNCipedia | lnc-TBC1D1f NONHSAT0f | chr22 | 30342547 | 30346489 | - |
| TC2200001003.oe.1 | -2.37 | -1.24 | 2.37 | down | 5.66 | 6.90 | RP3-430N8. LNCipedia | lnc-MORC2- NONHSAT0f | chr22 | 30977516 | 30977858 | - |
| TC2200001074.oe.1 | 2.17 | 1.12 | 2.17 | up | 8.21 | 7.10 | lnc-FOXRED LNCipedia | lnc-FOXRED NONHSAT0f | chr22 | 36510856 | 36511641 | - |
| TC2200001091.oe.1 | 3.53 | 1.82 | 3.53 | up | 7.66 | 5.84 | lnc-SSTR3-2 LNCipedia | lnc-SSTR3-2 NONHSAT0f | chr22 | 37225264 | 37225995 | - |
| TC2200001106.oe.1 | 2.28 | 1.19 | 2.28 | up | 6.39 | 5.20 | lnc-C22orf2f NONCODE c | lnc-C22orf2f NONHSAT1f | chr22 | 37832676 | 37840234 | - |
| TC2200001165.oe.1 | 2.66 | 1.41 | 2.66 | up | 7.23 | 5.82 | lnc-PMM1-3 NONCODE c | lnc-PMM1-3 NONHSAT0f | chr22 | 41532625 | 41544386 | - |
| TC2200001219.oe.1 | 2.18 | 1.13 | 2.18 | up | 4.69 | 3.57 | lnc-LDOC1L LNCipedia | lnc-LDOC1L NONHSAT0f | chr22 | 44514717 | 44520948 | - |
| TC22000220.hg.4 | -2.15 | -1.11 | 2.15 | down | 11.32 | 12.43 | TUG1 | taurine upre: --- | chr22 | 30969648 | 30979394 | + |
| TC22000515.hg.4 | 2.04 | 1.03 | 2.04 | up | 8.71 | 7.68 | PI4KAP1//PI4 phosphatidy | --- | chr22 | 18533671 | 18577948 | - |
| TC22000847.hg.4 | 2.17 | 1.11 | 2.17 | up | 6.42 | 5.31 | RRP7B//RNU RNA, U6 sm | --- | chr22 | 42555223 | 42582038 | - |