**Supplementary Table 2.** Differentially expressed genes in the comparison group of Control and EOAD with a threshold FC = 2 and *p*-value < 0.05

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CONTROL VS EOAD | | |  | Control vs LOAD | | |
| **Gene** | **log FC** | **p-value** |  | Gene | log FC | p-value |
| WIPF2 | -2.409119 | 0.00070092 |  | SNORA50B | -1.65455 | 0.002100607 |
| ZBED9 | -1.277823 | 0.000596015 |  | DNAJC5G | -1.57179 | 0.000763184 |
| CD44-AS1 | -1.256921 | 0.0000931 |  | AL359955.1 | -1.55314 | 0.000044 |
| AL359955.1 | -1.201275 | 0.00133457 |  | PDCL3P2 | -1.52894 | 0.00000492 |
| SPARCL1 | -1.131746 | 0.001020741 |  | IPO8P1 | -1.49027 | 0.000935711 |
| PDCL3P2 | -1.129563 | 0.000561285 |  | LRRC37A4P | -1.44144 | 0.000123 |
| AC073130.1 | -1.108712 | 0.000879421 |  | GAS2 | -1.40493 | 0.0000369 |
| LINC02068 | -1.103074 | 0.000471716 |  | AL450326.2 | -1.40329 | 0.0000972 |
| REXO1L1P | -1.101746 | 0.000270758 |  | ABCC12 | -1.39964 | 0.0026737 |
| SNX18P7 | -1.054468 | 0.001061397 |  | FREM1 | -1.38542 | 0.0000358 |
| ATP5F1AP10 | -1.013128 | 0.000168 |  | LINC01277 | -1.38379 | 0.000125 |
| CENPB | 1.000203 | 0.000601222 |  | MALRD1 | -1.3766 | 0.001833981 |
| KIRREL1 | 1.004529 | 0.000556879 |  | GAPDHP66 | -1.35032 | 0.000362201 |
| CPT1A | 1.0067 | 0.000276483 |  | FLT3 | -1.34737 | 0.001870243 |
| CMTM3 | 1.007593 | 0.001549991 |  | AC073130.1 | -1.34052 | 0.0000642 |
| PON2 | 1.008116 | 0.000365288 |  | KRT18P6 | -1.32615 | 0.001077188 |
| CDC14A | 1.010259 | 0.001346339 |  | AP005212.4 | -1.30837 | 0.0000164 |
| RGL3 | 1.012853 | 0.001197063 |  | CD44-AS1 | -1.28714 | 0.0000828 |
| CSPG4 | 1.013052 | 0.0000503 |  | AL137161.1 | -1.27888 | 0.001733907 |
| ZCCHC24 | 1.015605 | 0.000684494 |  | RPS3AP29 | -1.25765 | 0.000385345 |
| C3orf70 | 1.015702 | 0.000136 |  | BMS1P4 | -1.25321 | 0.000403486 |
| ARHGAP30 | 1.015894 | 0.000503964 |  | MDH1B | -1.24566 | 0.000819052 |
| FHL3 | 1.01654 | 0.000815107 |  | LY6G5B | -1.23515 | 0.000334148 |
| EMILIN1 | 1.017804 | 0.0000626 |  | ANKRD26P3 | -1.23477 | 0.001753449 |
| HEBP2 | 1.019724 | 0.000177 |  | TARBP1 | -1.23201 | 0.00074257 |
| NKD1 | 1.021202 | 0.001482196 |  | SPARCL1 | -1.2108 | 0.0004938 |
| SLC12A4 | 1.024176 | 0.000469502 |  | AC159540.2 | -1.20905 | 0.0000548 |
| HELZ2 | 1.031878 | 0.000417286 |  | LINC01721 | -1.20504 | 0.000154 |
| LTBR | 1.032037 | 0.0000309 |  | AC078857.1 | -1.19771 | 0.001315073 |
| ETNPPL | 1.032303 | 0.000245252 |  | RNF148 | -1.19767 | 0.00018812 |
| LMO2 | 1.033928 | 0.000557637 |  | THCAT155 | -1.19011 | 0.002062486 |
| PCDHGC3 | 1.034222 | 0.000690073 |  | TCTEX1D1 | -1.17775 | 0.002481409 |
| RAB13 | 1.034849 | 0.000544342 |  | AC125611.2 | -1.1692 | 0.002480823 |
| CD99P1 | 1.036587 | 0.001412639 |  | ACTG1P1 | -1.14859 | 0.001586646 |
| ATP1B2 | 1.037712 | 0.001516627 |  | OTOGL | -1.14464 | 0.000435351 |
| FLI1 | 1.038958 | 0.000584247 |  | AC068620.3 | -1.13433 | 0.00000936 |
| PARP9 | 1.040384 | 0.000731827 |  | RPS4XP5 | -1.12632 | 0.00041996 |
| BCL3 | 1.041658 | 0.000468147 |  | CAP1P1 | -1.12514 | 0.000986096 |
| PLTP | 1.041904 | 0.000404739 |  | ZNF204P | -1.11982 | 0.000592397 |
| CRTAP | 1.042423 | 0.001460584 |  | PCYOX1L | -1.10358 | 0.00310506 |
| BOC | 1.046117 | 0.0000589 |  | TCEA1P2 | -1.0982 | 0.000663986 |
| RREB1 | 1.046753 | 0.000094 |  | SNX10 | -1.07622 | 0.000841598 |
| UBALD2 | 1.048882 | 0.000195368 |  | HSP90B2P | -1.07196 | 0.001879702 |
| ABHD4 | 1.050826 | 0.001199026 |  | AL589935.3 | -1.06242 | 0.0000234 |
| PDLIM5 | 1.05212 | 0.0008238 |  | AC092745.4 | -1.05396 | 0.002057848 |
| LIMK2 | 1.053464 | 0.0000992 |  | AC246817.1 | -1.0521 | 0.001336576 |
| LCP2 | 1.054399 | 0.001224175 |  | AC074043.1 | -1.05159 | 0.002708806 |
| PXN | 1.056678 | 0.000142 |  | AL021395.1 | -1.04852 | 0.000200314 |
| CRIM1 | 1.059962 | 0.000353013 |  | CDKL5 | -1.03858 | 0.0000834 |
| SLC2A1 | 1.063697 | 0.001002611 |  | CCSER1 | -1.03773 | 0.0000979 |
| NOTCH1 | 1.071883 | 0.000429134 |  | ZNF804B | -1.03676 | 0.001959324 |
| TCIRG1 | 1.072537 | 0.000647653 |  | ZNF385B | -1.02966 | 0.0000145 |
| GYG2 | 1.072868 | 0.000111 |  | SLC44A5 | -1.02581 | 0.000788452 |
| TSPO | 1.073914 | 0.001395114 |  | NAALAD2 | -1.02277 | 0.000505997 |
| ADGRG1 | 1.074226 | 0.0000744 |  | CNTNAP2 | -1.0195 | 0.000387953 |
| SH3TC1 | 1.074901 | 0.000157 |  | AC007390.1 | -1.01781 | 0.00000114 |
| NFAM1 | 1.077355 | 0.000163 |  | INTS4P2 | -1.01781 | 0.0001 |
| SLC1A3 | 1.079613 | 0.000956949 |  | AC093838.2 | -1.01621 | 0.001274419 |
| HYAL1 | 1.079773 | 0.000931259 |  | DRICH1 | -1.01491 | 0.000253202 |
| CMAHP | 1.080585 | 0.001499274 |  | AL645568.1 | -1.01292 | 0.000791983 |
| TBX2 | 1.081362 | 0.000886592 |  | CFAP221 | -1.01025 | 0.002942221 |
| EFCAB14 | 1.085052 | 0.001418152 |  | RRH | -1.01019 | 0.000103 |
| F11R | 1.085471 | 0.001008622 |  | ANKRD20A7P | -1.01012 | 0.00263588 |
| GFAP | 1.08567 | 0.000667698 |  | AL158832.2 | -1.00707 | 0.001166953 |
| OLFML3 | 1.088792 | 0.001453394 |  | NPM1P33 | -1.00499 | 0.000124 |
| PLEKHO2 | 1.089139 | 0.0000791 |  | LINC02068 | -1.0037 | 0.001688601 |
| TMBIM1 | 1.090626 | 0.0000605 |  | SHKBP1 | 1.000024 | 0.0000953 |
| KLF15 | 1.09249 | 0.001260696 |  | SLC2A4RG | 1.000232 | 0.000203644 |
| GIMAP1 | 1.092532 | 0.000499221 |  | GYG2 | 1.000879 | 0.000333119 |
| NTN3 | 1.095133 | 0.001384859 |  | PLCD3 | 1.001222 | 0.001016277 |
| CDC42EP4 | 1.096791 | 0.000232452 |  | AL031121.2 | 1.002342 | 0.001270204 |
| FCGRT | 1.097653 | 0.0000571 |  | IGDCC4 | 1.002487 | 0.000726576 |
| CKS1B | 1.097702 | 0.001322117 |  | PDLIM4 | 1.002588 | 0.00133952 |
| LAPTM5 | 1.098459 | 0.000162 |  | NOTCH1 | 1.003321 | 0.000996861 |
| ARRDC4 | 1.099439 | 0.0005364 |  | PLIN2 | 1.003464 | 0.003050878 |
| LFNG | 1.103043 | 0.000293407 |  | TSPO | 1.004058 | 0.002946919 |
| TNFAIP3 | 1.105042 | 0.000873478 |  | C3 | 1.005218 | 0.000166 |
| ACOX2 | 1.106409 | 0.000879794 |  | AC091982.3 | 1.006299 | 0.001903167 |
| GIMAP8 | 1.107981 | 0.000721932 |  | AC087741.1 | 1.006593 | 0.001918986 |
| S100A16 | 1.108832 | 0.000267116 |  | TRIOBP | 1.007018 | 0.000103 |
| RAB32 | 1.109051 | 0.000601235 |  | ADGRG1 | 1.008277 | 0.000204979 |
| KCTD15 | 1.113528 | 0.000409093 |  | PTTG1IP | 1.0098 | 0.0000646 |
| PLEKHA4 | 1.113793 | 0.000298125 |  | ZNF395 | 1.009953 | 0.00000464 |
| BCRP2 | 1.114003 | 0.000446334 |  | FGD3 | 1.010625 | 0.00053525 |
| ARID5A | 1.114172 | 0.0000199 |  | BCRP2 | 1.011624 | 0.001488198 |
| SUSD2 | 1.115987 | 0.00065147 |  | BCL6 | 1.013355 | 0.000879254 |
| PLAAT4 | 1.119032 | 0.001096488 |  | ID1 | 1.013527 | 0.000529132 |
| PRICKLE3 | 1.122452 | 0.000440637 |  | CHST3 | 1.013665 | 0.000308028 |
| ABI3 | 1.123033 | 0.0000355 |  | TLN1 | 1.014427 | 0.0000794 |
| MLC1 | 1.123879 | 0.001344428 |  | PML | 1.015332 | 0.0000411 |
| AL031121.2 | 1.124253 | 0.00028565 |  | CD300A | 1.016167 | 0.003117946 |
| RGS19 | 1.125177 | 0.000846105 |  | RREB1 | 1.016258 | 0.000161 |
| BCL6 | 1.12541 | 0.000224047 |  | GYPC | 1.016405 | 0.001700241 |
| DOK1 | 1.127852 | 0.000234424 |  | EVC | 1.016612 | 0.002045113 |
| IL13RA1 | 1.128131 | 0.000376035 |  | CRB2 | 1.017075 | 0.000108 |
| COL18A1 | 1.131026 | 0.00060977 |  | CSPG4 | 1.017407 | 0.0000521 |
| PIEZO1 | 1.132289 | 0.0000974 |  | INHBB | 1.017697 | 0.00247885 |
| GSDMD | 1.133443 | 0.001044881 |  | HMG20B | 1.020881 | 0.000028 |
| GNA12 | 1.133593 | 0.000207273 |  | MYO1C | 1.022034 | 0.000295273 |
| PRKX | 1.135024 | 0.001505768 |  | ETS1 | 1.024945 | 0.002992656 |
| PTTG1IP | 1.135966 | 0.00000722 |  | FGD5 | 1.026176 | 0.002206627 |
| SMOX | 1.136086 | 0.001058693 |  | MAGED4B | 1.026342 | 0.00000851 |
| FTL | 1.137335 | 0.000344945 |  | TRIM47 | 1.028279 | 0.000733868 |
| MSN | 1.137924 | 0.0000105 |  | GNA12 | 1.028708 | 0.000753116 |
| TPM2 | 1.139565 | 0.000518104 |  | DDR1 | 1.02893 | 0.001994193 |
| HSD3B7 | 1.139885 | 0.0000989 |  | TP53I13 | 1.029029 | 0.00000246 |
| PAQR6 | 1.140783 | 0.001013499 |  | C5orf49 | 1.029078 | 0.000582798 |
| MCL1 | 1.141996 | 0.0000335 |  | MAPK4 | 1.029632 | 0.001422991 |
| TRIM56 | 1.144959 | 0.0000405 |  | AC007292.1 | 1.030218 | 0.000902484 |
| YES1 | 1.145078 | 0.000465834 |  | AMOT | 1.030377 | 0.000410998 |
| PPP2CB | 1.148523 | 0.000701366 |  | LYL1 | 1.035936 | 0.000752334 |
| CYBA | 1.152771 | 0.00000321 |  | CD14 | 1.036955 | 0.002523248 |
| TNIP2 | 1.154844 | 0.0000252 |  | C16orf54 | 1.037215 | 0.000670199 |
| FBLN1 | 1.154938 | 0.000241466 |  | CD81 | 1.038263 | 0.000517305 |
| AQP1 | 1.155951 | 0.001556481 |  | HAGHL | 1.03855 | 0.000962145 |
| AGTRAP | 1.161598 | 0.0000331 |  | HAP1 | 1.041478 | 0.000175 |
| GAL3ST4 | 1.161994 | 0.00000533 |  | MAGED4 | 1.043963 | 0.001099942 |
| KIF1C | 1.162561 | 0.001300373 |  | RASIP1 | 1.045459 | 0.001775299 |
| ACER2 | 1.167195 | 0.001156733 |  | ATN1 | 1.046303 | 0.00058907 |
| RASIP1 | 1.167554 | 0.000483497 |  | SPARC | 1.048222 | 0.000058 |
| LHX2 | 1.168022 | 0.000772691 |  | HEBP2 | 1.048385 | 0.000132 |
| IRF1 | 1.171469 | 0.000556873 |  | PALLD | 1.048729 | 0.001624012 |
| JUN | 1.17416 | 0.001244286 |  | ADAMTSL4 | 1.049687 | 0.000920049 |
| TGFB1 | 1.175809 | 0.00054519 |  | PTGES3 | 1.049779 | 0.001483334 |
| CMTM6 | 1.182132 | 0.00135577 |  | CASTOR1 | 1.051114 | 0.001542531 |
| LYL1 | 1.182415 | 0.000108 |  | FES | 1.052731 | 0.000438652 |
| MAFK | 1.182581 | 0.000762862 |  | OAF | 1.053964 | 0.000980518 |
| A4GALT | 1.183397 | 0.000485073 |  | AC092143.3 | 1.054276 | 0.003290623 |
| RFX4 | 1.186021 | 0.000346837 |  | AC109322.1 | 1.055148 | 0.000498006 |
| TAGLN2 | 1.186191 | 0.000184 |  | NOTCH3 | 1.056779 | 0.000267984 |
| CLEC14A | 1.192341 | 0.000352801 |  | SLC12A4 | 1.057258 | 0.00034008 |
| ITPKB | 1.1936 | 0.00047306 |  | FP236383.3 | 1.060683 | 0.002893931 |
| GYPC | 1.194536 | 0.000218871 |  | PGGHG | 1.063235 | 0.000145 |
| PLP2 | 1.197647 | 0.001545087 |  | SIGIRR | 1.064122 | 0.000115 |
| FGFRL1 | 1.200305 | 0.000157 |  | BSG | 1.064526 | 0.001288322 |
| EBI3 | 1.201618 | 0.001380371 |  | MIDN | 1.06471 | 0.0000102 |
| RARRES2 | 1.209353 | 0.000198297 |  | VSX1 | 1.066034 | 0.00113757 |
| ANXA1 | 1.209966 | 0.001443104 |  | C2CD4C | 1.066504 | 0.000174 |
| PPP1R13L | 1.212637 | 0.000184 |  | AC009779.2 | 1.066649 | 0.000516373 |
| SHE | 1.213055 | 0.000437174 |  | SSTR2 | 1.067419 | 0.001205917 |
| SLC30A1 | 1.214101 | 0.00146002 |  | ITPKB | 1.067434 | 0.001727091 |
| CEBPB | 1.21502 | 0.000427831 |  | CBFA2T3 | 1.068049 | 0.000689529 |
| SLC39A1 | 1.218041 | 0.0000249 |  | TOB2 | 1.068564 | 0.000128 |
| FES | 1.220003 | 0.0000478 |  | SLC39A1 | 1.068755 | 0.000213158 |
| RHOC | 1.221144 | 0.0000742 |  | SRARP | 1.071105 | 0.001344076 |
| AL391422.4 | 1.224667 | 0.001369184 |  | RDH10 | 1.072102 | 0.003108593 |
| CASZ1 | 1.227235 | 0.000366426 |  | EPAS1 | 1.07248 | 0.002804613 |
| NES | 1.23068 | 0.000162 |  | TNXB | 1.072649 | 0.001036135 |
| S1PR1 | 1.235386 | 0.000540132 |  | COLEC12 | 1.073271 | 0.000274934 |
| FBLN2 | 1.237052 | 0.000296144 |  | RRAS | 1.074182 | 0.002572522 |
| ZBTB42 | 1.239355 | 0.000429075 |  | PYCR1 | 1.078288 | 0.000553957 |
| PDK4 | 1.239926 | 0.000238506 |  | CNN2 | 1.083105 | 0.002423647 |
| PCOLCE | 1.240054 | 0.000226197 |  | MCL1 | 1.085906 | 0.0000829 |
| ID4 | 1.240674 | 0.000761828 |  | PLSCR4 | 1.086156 | 0.002930756 |
| ZBED6CL | 1.240681 | 0.000596703 |  | CLEC14A | 1.087041 | 0.001160831 |
| ZC3HAV1 | 1.241289 | 0.00045315 |  | KCNJ8 | 1.090511 | 0.000238619 |
| ZIC1 | 1.241512 | 0.000707626 |  | SMO | 1.092397 | 0.000144 |
| CAVIN1 | 1.243963 | 0.0000667 |  | FOXO4 | 1.093113 | 0.001747929 |
| PLIN5 | 1.243973 | 0.000241349 |  | H2BC6 | 1.095164 | 0.002753928 |
| DCN | 1.24649 | 0.000826508 |  | ARID5A | 1.100895 | 0.0000278 |
| PLCG2 | 1.249277 | 0.00000608 |  | C1orf198 | 1.102106 | 0.000000942 |
| TSPAN12 | 1.250409 | 0.000163 |  | EFNB1 | 1.102788 | 0.000802902 |
| RRAS | 1.251898 | 0.000432755 |  | KDM6B | 1.103132 | 0.000272286 |
| KCTD12 | 1.252414 | 0.0000297 |  | IKZF5 | 1.104723 | 0.001211935 |
| VEGFC | 1.260043 | 0.000145 |  | ABHD15 | 1.105542 | 0.00011 |
| TNFRSF1B | 1.260347 | 0.000101 |  | ICAM2 | 1.1064 | 0.00205481 |
| SEMA3F | 1.260374 | 0.000403846 |  | GJC1 | 1.107114 | 0.000116 |
| GIMAP6 | 1.260459 | 0.00065648 |  | SIPA1 | 1.108607 | 0.000241325 |
| TXNIP | 1.260893 | 0.000205051 |  | ZNF778 | 1.108968 | 0.000156 |
| TSPAN4 | 1.262261 | 0.0000777 |  | SEMA3F | 1.11065 | 0.001778791 |
| RELL1 | 1.265605 | 0.000106 |  | KIF1C | 1.111275 | 0.002156922 |
| CD302 | 1.26824 | 0.001216484 |  | GPR35 | 1.113081 | 0.00017 |
| STEAP3 | 1.268505 | 0.000128 |  | FCGRT | 1.113985 | 0.0000502 |
| ARHGAP31 | 1.269902 | 0.000569623 |  | LTC4S | 1.114117 | 0.002771095 |
| FAM181A | 1.270171 | 0.0000332 |  | SLCO2A1 | 1.114694 | 0.002471244 |
| MTURN | 1.270324 | 0.001272925 |  | PSTPIP1 | 1.115198 | 0.0000988 |
| COL6A2 | 1.272544 | 0.000760851 |  | LTBR | 1.115444 | 0.00000862 |
| SOX9 | 1.272766 | 0.000466001 |  | RIN3 | 1.118569 | 0.00000158 |
| FXYD1 | 1.282204 | 0.0000491 |  | FAM43A | 1.122084 | 0.00070641 |
| POLD1 | 1.284659 | 0.000595693 |  | PLOD3 | 1.12608 | 0.00016 |
| TMEM176A | 1.284711 | 0.000144 |  | IRF1 | 1.128059 | 0.000933434 |
| EGFL7 | 1.284938 | 0.000114 |  | NFATC1 | 1.132031 | 0.002921681 |
| SYTL4 | 1.285019 | 0.001254595 |  | MTSS2 | 1.135673 | 0.001473556 |
| LATS2 | 1.286221 | 0.001521095 |  | TNFAIP3 | 1.137125 | 0.000678501 |
| IGFBP4 | 1.286763 | 0.000241186 |  | WWTR1 | 1.137628 | 0.00114003 |
| DOCK6 | 1.291311 | 0.000444599 |  | NFATC4 | 1.138098 | 0.000471954 |
| NEDD9 | 1.292783 | 0.000111 |  | CMTM3 | 1.13842 | 0.000415598 |
| ELOVL7 | 1.296985 | 0.000780922 |  | DOCK6 | 1.140157 | 0.001859298 |
| AC125807.2 | 1.299018 | 0.000473968 |  | EGFL7 | 1.140475 | 0.000591157 |
| FAM89A | 1.306263 | 0.000649007 |  | MMP14 | 1.143261 | 0.000947148 |
| ITGB4 | 1.306979 | 0.0000142 |  | FN1 | 1.145212 | 0.002522118 |
| TRIP10 | 1.308091 | 0.001401647 |  | TBX18 | 1.147821 | 0.002858838 |
| CSF2RB | 1.310239 | 0.000199706 |  | RARRES2 | 1.150828 | 0.000422211 |
| LRP10 | 1.310276 | 0.0000448 |  | PODXL | 1.15143 | 0.002662067 |
| RASL12 | 1.312404 | 0.0000915 |  | SOX9 | 1.151456 | 0.001511176 |
| EPHB4 | 1.315228 | 0.000126 |  | CHDH | 1.152087 | 0.000124 |
| HYAL2 | 1.315979 | 0.000158 |  | CD99 | 1.153343 | 0.000249191 |
| ZIC2 | 1.316889 | 0.001018561 |  | C21orf62 | 1.153756 | 0.002011978 |
| TNFRSF10B | 1.318169 | 0.0000522 |  | ITGB2 | 1.154288 | 0.00000555 |
| RHOJ | 1.31906 | 0.000485695 |  | HYAL1 | 1.154401 | 0.000470075 |
| LGALS3 | 1.320935 | 0.000154 |  | GABRE | 1.156448 | 0.000563876 |
| ZFP36L1 | 1.325235 | 0.0000602 |  | AL773545.3 | 1.160059 | 0.000425154 |
| SOX21 | 1.325768 | 0.000873091 |  | ZC3HAV1 | 1.162578 | 0.001034198 |
| TOR4A | 1.325967 | 0.000371241 |  | SLC12A7 | 1.163075 | 0.002052542 |
| STAB1 | 1.326997 | 0.0000844 |  | IHO1 | 1.163525 | 0.002205664 |
| EPAS1 | 1.328032 | 0.00024953 |  | PLIN5 | 1.164083 | 0.000603361 |
| ORAI1 | 1.328691 | 0.000194924 |  | NKD1 | 1.165283 | 0.000348065 |
| NECTIN2 | 1.33225 | 0.0000327 |  | WFIKKN1 | 1.170356 | 0.00063725 |
| SOX18 | 1.334801 | 0.000987384 |  | PEX26 | 1.172195 | 0.002617412 |
| WWTR1 | 1.338529 | 0.000142 |  | NID1 | 1.172292 | 0.00143806 |
| CD99 | 1.341149 | 0.0000223 |  | DENND2D | 1.174524 | 0.001049748 |
| GPX3 | 1.345063 | 0.000317507 |  | ZFP36L2 | 1.177324 | 0.00226916 |
| TBX18 | 1.345576 | 0.000492544 |  | SLC9A3R2 | 1.178498 | 0.000348974 |
| INHBB | 1.346516 | 0.0000726 |  | RNF122 | 1.178633 | 0.003050338 |
| SERTAD1 | 1.346696 | 0.000577976 |  | TNIP2 | 1.179345 | 0.0000199 |
| FN1 | 1.351599 | 0.000402152 |  | LAMB2 | 1.179793 | 0.000306048 |
| STOM | 1.355855 | 0.000154 |  | SLC4A2 | 1.180473 | 0.000034 |
| PAIP2B | 1.358475 | 0.001313962 |  | SLC9A3R1 | 1.180616 | 0.000171 |
| LAMB2 | 1.361296 | 0.0000344 |  | RGS9BP | 1.182941 | 0.002632988 |
| SIX5 | 1.365657 | 0.000240823 |  | LGALS3 | 1.183992 | 0.00067881 |
| CBX2 | 1.376915 | 0.000730222 |  | DEDD2 | 1.184779 | 0.001497295 |
| SLC7A5 | 1.378235 | 0.000863499 |  | CDH5 | 1.18594 | 0.001670023 |
| TMEM176B | 1.385302 | 0.0000979 |  | NECTIN2 | 1.186396 | 0.000211471 |
| ACVRL1 | 1.387519 | 0.0000587 |  | NPR1 | 1.186798 | 0.001929195 |
| NIBAN2 | 1.390382 | 0.00000861 |  | LAMA5 | 1.190097 | 0.000232553 |
| COL4A1 | 1.390618 | 0.0000374 |  | PARVG | 1.192368 | 0.0000455 |
| BGN | 1.393003 | 0.0000139 |  | GAS1 | 1.195598 | 0.002085264 |
| ADAMTS1 | 1.393768 | 0.000340458 |  | CFD | 1.196149 | 0.00121799 |
| MRC2 | 1.39432 | 0.0000495 |  | WSCD1 | 1.197163 | 0.000153 |
| WFIKKN2 | 1.39587 | 0.000738528 |  | SIGLEC14 | 1.197543 | 0.002390087 |
| LCP1 | 1.396064 | 0.000022 |  | GPX3 | 1.197655 | 0.001328248 |
| SYDE1 | 1.400272 | 0.000326311 |  | PCOLCE | 1.19816 | 0.000406663 |
| TNFRSF1A | 1.403215 | 0.00000421 |  | CMTM7 | 1.198468 | 0.002201468 |
| C1QA | 1.404585 | 0.000249857 |  | PGAM2 | 1.199977 | 0.001031221 |
| GNG11 | 1.407339 | 0.000127 |  | GADD45B | 1.201049 | 0.002957613 |
| NFKB2 | 1.409224 | 0.000467951 |  | ID4 | 1.202008 | 0.001148584 |
| YAP1 | 1.410789 | 0.000480387 |  | ITGB4 | 1.203169 | 0.0000632 |
| TMEM100 | 1.412822 | 0.0008814 |  | ESAM | 1.206263 | 0.003212709 |
| IGFBP7 | 1.413166 | 0.0000341 |  | TPST2 | 1.206473 | 0.000675501 |
| MYL9 | 1.418101 | 0.000590845 |  | IGFBP4 | 1.207303 | 0.000583059 |
| PLSCR4 | 1.419168 | 0.000126 |  | MXRA8 | 1.208766 | 0.002106264 |
| RGR | 1.419666 | 0.000612995 |  | ZIC1 | 1.210223 | 0.001012105 |
| EMILIN2 | 1.435768 | 0.0000141 |  | SPHK1 | 1.213049 | 0.000647021 |
| C1QC | 1.443322 | 0.0000748 |  | EPHA2 | 1.213527 | 0.002831402 |
| ATOH8 | 1.451708 | 0.0000795 |  | NKD2 | 1.213706 | 0.001353055 |
| TBX15 | 1.456583 | 0.001556228 |  | ABI3 | 1.214856 | 0.00000978 |
| AL158206.1 | 1.462472 | 0.001060905 |  | ARHGAP30 | 1.214996 | 0.0000425 |
| VSIG4 | 1.465817 | 0.000929077 |  | TNFRSF10B | 1.215914 | 0.00019 |
| AURKA | 1.466526 | 0.000396938 |  | RHBDF2 | 1.219627 | 0.00000703 |
| CEBPD | 1.469045 | 0.0000586 |  | UBALD2 | 1.222195 | 0.0000192 |
| CASP4 | 1.470546 | 0.000208439 |  | GSDMD | 1.223549 | 0.000469757 |
| MFNG | 1.470717 | 0.000400285 |  | IL4R | 1.22457 | 0.00136045 |
| JUNB | 1.472863 | 0.000395712 |  | PI16 | 1.226517 | 0.002363066 |
| SQOR | 1.473366 | 0.0000577 |  | GNG11 | 1.228269 | 0.000796579 |
| PODXL | 1.474184 | 0.00015 |  | COL4A1 | 1.228493 | 0.000255327 |
| TIE1 | 1.482204 | 0.000531288 |  | CAVIN1 | 1.229387 | 0.0000872 |
| STON2 | 1.483444 | 0.0000401 |  | HVCN1 | 1.233611 | 0.002332573 |
| ZIC4 | 1.48356 | 0.001395279 |  | FBLN2 | 1.233657 | 0.000337685 |
| TMEM204 | 1.488619 | 0.000713515 |  | FTL | 1.233724 | 0.000123 |
| SMAD6 | 1.489537 | 0.001110303 |  | TNFRSF1A | 1.235586 | 0.0000477 |
| OSMR | 1.493094 | 0.000179 |  | CYBA | 1.237365 | 0.000000775 |
| HIC1 | 1.497074 | 0.00073725 |  | RAB20 | 1.243639 | 0.001201759 |
| LINC01354 | 1.497447 | 0.000615032 |  | BCAM | 1.244769 | 0.000280603 |
| SRARP | 1.499809 | 0.00000983 |  | A4GALT | 1.24699 | 0.000273329 |
| TINAGL1 | 1.500137 | 0.000115 |  | TRIM56 | 1.24968 | 0.00000949 |
| C4A | 1.502685 | 0.000765767 |  | KLF15 | 1.251866 | 0.000270905 |
| S1PR3 | 1.507837 | 0.0000297 |  | EPS8L2 | 1.255398 | 0.0000278 |
| CDH5 | 1.511707 | 0.0000774 |  | CCN3 | 1.25738 | 0.002961893 |
| MXRA8 | 1.513472 | 0.00012 |  | RAB3IL1 | 1.25764 | 0.00000437 |
| AHNAK | 1.513483 | 0.0000146 |  | FXYD1 | 1.259071 | 0.0000737 |
| CLIC1 | 1.516211 | 0.00021161 |  | FAM181A | 1.260109 | 0.0000456 |
| PRX | 1.517099 | 0.001215855 |  | LRP10 | 1.260787 | 0.000089 |
| GGT5 | 1.517854 | 0.0000138 |  | TP53I3 | 1.264646 | 0.0000308 |
| ERG | 1.522833 | 0.000328495 |  | TNFRSF11B | 1.266504 | 0.001967564 |
| ICAM2 | 1.524966 | 0.0000291 |  | FAM107A | 1.268174 | 0.000597879 |
| ESAM | 1.527859 | 0.000230953 |  | PLAAT4 | 1.269247 | 0.00025983 |
| AFAP1L1 | 1.528468 | 0.000670461 |  | BGN | 1.269523 | 0.0000728 |
| EVC2 | 1.528986 | 0.000101 |  | STON2 | 1.270107 | 0.000392758 |
| NXN | 1.53108 | 0.000116 |  | STEAP3 | 1.270345 | 0.000139 |
| PKN3 | 1.533335 | 0.0000567 |  | LCP1 | 1.272716 | 0.00011 |
| SLC7A2 | 1.535596 | 0.001605786 |  | FGFRL1 | 1.273856 | 0.0000711 |
| GABRE | 1.536663 | 0.00000565 |  | RGL3 | 1.277756 | 0.0000606 |
| MYOF | 1.538804 | 0.0000467 |  | TMEM100 | 1.279687 | 0.002722614 |
| HS3ST3B1 | 1.540138 | 0.000341529 |  | ITGB5 | 1.282775 | 0.000148 |
| FAM107A | 1.542334 | 0.0000372 |  | EMILIN1 | 1.284041 | 0.000000728 |
| COL1A2 | 1.543254 | 0.000316051 |  | NXN | 1.284429 | 0.001110089 |
| MT2A | 1.54438 | 0.001052979 |  | RGS19 | 1.285597 | 0.000171 |
| MMRN2 | 1.546516 | 0.0000934 |  | JUNB | 1.285963 | 0.001852488 |
| CARD10 | 1.549997 | 0.000986428 |  | APLNR | 1.285988 | 0.002897455 |
| GJA5 | 1.557309 | 0.00087341 |  | SLCO4A1 | 1.286224 | 0.002098309 |
| SRGN | 1.559916 | 0.001369982 |  | TMEM176A | 1.287354 | 0.000159 |
| C4B | 1.562929 | 0.000136 |  | BOK | 1.289479 | 0.000109 |
| HGF | 1.563272 | 0.000244661 |  | PLEKHA4 | 1.290188 | 0.0000362 |
| GATA2-AS1 | 1.565531 | 0.000550152 |  | SAMD4A | 1.291491 | 0.000814956 |
| CHST14 | 1.569884 | 0.000128 |  | LAPTM5 | 1.292115 | 0.0000127 |
| VIM | 1.572653 | 0.0000139 |  | HSD3B7 | 1.29488 | 0.0000128 |
| CDKN1A | 1.57308 | 0.000797302 |  | KANK3 | 1.296395 | 0.000876463 |
| DDIT4 | 1.588109 | 0.000915106 |  | RASL12 | 1.298286 | 0.000118 |
| TENT5A | 1.588521 | 0.000393209 |  | SFMBT1 | 1.298559 | 0.001122807 |
| BMP6 | 1.588632 | 0.000312259 |  | EPPK1 | 1.298832 | 0.0000578 |
| GNG12 | 1.591758 | 0.000548497 |  | HELZ2 | 1.29948 | 0.0000134 |
| MT1X | 1.5953 | 0.000236406 |  | LATS2 | 1.302681 | 0.001423111 |
| ITPRIP | 1.596617 | 0.0001 |  | EPHB4 | 1.303103 | 0.000159 |
| HHEX | 1.609015 | 0.000629182 |  | C8orf82 | 1.303784 | 0.000152 |
| CCN2 | 1.612393 | 0.000771954 |  | HGF | 1.310299 | 0.001940233 |
| PEAR1 | 1.612853 | 0.000686051 |  | PIEZO1 | 1.311457 | 0.00000889 |
| FGR | 1.613206 | 0.0000116 |  | SERPINA1 | 1.314672 | 0.001423412 |
| TGFBR2 | 1.614335 | 0.0000128 |  | LINC02172 | 1.314868 | 0.00263445 |
| LMOD1 | 1.627133 | 0.000295073 |  | GADD45A | 1.317171 | 0.000253168 |
| MSX1 | 1.629915 | 0.000939174 |  | FXYD2 | 1.318289 | 0.0000159 |
| TNFRSF11B | 1.63474 | 0.0000726 |  | JUN | 1.321848 | 0.000337817 |
| ITGA5 | 1.638881 | 0.0000754 |  | KLC3 | 1.32514 | 0.001072928 |
| IL4R | 1.641533 | 0.0000255 |  | TCAP | 1.325224 | 0.000979119 |
| VSIR | 1.642313 | 0.000000656 |  | TGFBR2 | 1.325294 | 0.000289608 |
| CAVIN2 | 1.644325 | 0.000369933 |  | GGT5 | 1.325299 | 0.000138 |
| BST2 | 1.650565 | 0.000147 |  | PKN3 | 1.327111 | 0.000470663 |
| ANGPTL4 | 1.651197 | 0.000577462 |  | TGM2 | 1.327245 | 0.000220564 |
| TDRD10 | 1.659662 | 0.000448744 |  | CAVIN2 | 1.331413 | 0.003465838 |
| PRELP | 1.661065 | 0.0000112 |  | SLC6A12 | 1.332297 | 0.000215842 |
| CDK2 | 1.661385 | 0.000186 |  | LINC01561 | 1.332593 | 0.000674488 |
| DDAH2 | 1.674842 | 0.0000396 |  | PPP1R13L | 1.334378 | 0.0000483 |
| NID1 | 1.680193 | 0.00000803 |  | AL391422.4 | 1.335077 | 0.000566611 |
| ICAM1 | 1.688736 | 0.0000841 |  | PRKD2 | 1.337336 | 0.000181 |
| AL929091.1 | 1.697101 | 0.001382538 |  | VSIG4 | 1.337631 | 0.002480633 |
| SLCO4A1 | 1.700536 | 0.0000677 |  | CHST14 | 1.339133 | 0.001125105 |
| IFITM3 | 1.70455 | 0.00000834 |  | IGF2 | 1.33917 | 0.003120822 |
| ID3 | 1.704624 | 0.00000858 |  | IFITM3 | 1.341234 | 0.000360594 |
| CFH | 1.705024 | 0.000243249 |  | ARHGAP45 | 1.341439 | 0.000199104 |
| PGF | 1.705634 | 0.0000275 |  | S100A10 | 1.341672 | 0.001124544 |
| PECAM1 | 1.707126 | 0.00000523 |  | AC027796.4 | 1.34263 | 0.00011 |
| KIAA0040 | 1.71201 | 0.000263146 |  | TINAGL1 | 1.343203 | 0.000528959 |
| FOXC1 | 1.713341 | 0.000139 |  | TPM2 | 1.346286 | 0.0000555 |
| FLT1 | 1.733582 | 0.000158 |  | AC114763.1 | 1.356719 | 0.0000156 |
| IFITM2 | 1.761349 | 0.00055539 |  | NGFR | 1.358077 | 0.003338169 |
| ITPR3 | 1.765778 | 0.0000169 |  | GCH1 | 1.359217 | 0.001395729 |
| CP | 1.774757 | 0.000790191 |  | MT1E | 1.364504 | 0.002999137 |
| C1R | 1.776947 | 0.000000327 |  | AC103923.1 | 1.369349 | 0.001535889 |
| NOS3 | 1.77717 | 0.00000428 |  | ANXA2 | 1.370182 | 0.002569443 |
| HERC2P3 | 1.779472 | 0.000461329 |  | THBS1 | 1.370639 | 0.000626262 |
| GATA2 | 1.781581 | 0.00023872 |  | CACNA1H | 1.370827 | 0.000107 |
| EVA1B | 1.791685 | 0.0000144 |  | TGFB1 | 1.372209 | 0.0000726 |
| ANO2 | 1.807527 | 0.000400982 |  | LTBP2 | 1.373357 | 0.000453798 |
| TBX3 | 1.808039 | 0.000324544 |  | STAG2 | 1.373953 | 0.001535783 |
| CYP1B1 | 1.811073 | 0.000264907 |  | NOS3 | 1.374244 | 0.000294619 |
| MT1M | 1.811463 | 0.001147847 |  | C1QTNF5 | 1.376553 | 0.000271524 |
| ADAMTS9 | 1.823259 | 0.000493924 |  | EHBP1L1 | 1.380683 | 0.0000045 |
| VSIG2 | 1.82446 | 0.001098416 |  | PIP5K1C | 1.382111 | 0.0000789 |
| TGM2 | 1.83279 | 0.000000673 |  | AMH | 1.382303 | 0.0000129 |
| ADH1B | 1.834353 | 0.000155 |  | IGFBP7 | 1.383139 | 0.000053 |
| IL32 | 1.841259 | 0.000371652 |  | CD44 | 1.385976 | 0.001882461 |
| TMPRSS3 | 1.84772 | 0.000562354 |  | PECAM1 | 1.386656 | 0.000173 |
| MRC1 | 1.853244 | 0.000189418 |  | KANK2 | 1.388324 | 0.0000801 |
| PGR | 1.869036 | 0.001164925 |  | SH3TC1 | 1.3891 | 0.00000181 |
| ZFP36 | 1.872694 | 0.0000803 |  | COL1A1 | 1.389483 | 0.002978634 |
| SIK1B | 1.873313 | 0.000230883 |  | VSIR | 1.389547 | 0.0000211 |
| ANGPT2 | 1.882722 | 0.0000278 |  | SLX1A | 1.39069 | 0.001019392 |
| FOS | 1.882723 | 0.001039549 |  | CEBPB | 1.390924 | 0.000072 |
| PODN | 1.891604 | 0.000107 |  | PKN1 | 1.39192 | 0.000109 |
| TUBB6 | 1.896787 | 0.000000115 |  | AC068580.1 | 1.394595 | 0.000275072 |
| DLL4 | 1.927618 | 0.0000142 |  | AFAP1L1 | 1.394617 | 0.001875102 |
| EMP1 | 1.936333 | 0.00000803 |  | ZFP36L1 | 1.395569 | 0.0000283 |
| SLC52A3 | 1.941792 | 0.000374774 |  | EMP3 | 1.397054 | 0.000760285 |
| C10orf105 | 1.950582 | 0.000255048 |  | NKX6-2 | 1.399026 | 0.002010977 |
| IFITM1 | 1.951565 | 0.00000475 |  | CSF2RB | 1.400131 | 0.0000848 |
| YBX3 | 1.962857 | 0.0000064 |  | BMP6 | 1.400954 | 0.001417288 |
| TIMP1 | 1.963201 | 8.19E-08 |  | MAFK | 1.4018 | 0.0000892 |
| NAGS | 1.96539 | 0.000011 |  | ALPL | 1.402242 | 0.001145544 |
| IL1R1 | 1.967963 | 0.00000319 |  | ZPR1 | 1.4025 | 0.000362825 |
| THBD | 1.970127 | 0.0000361 |  | MMRN2 | 1.40352 | 0.000375754 |
| TGFBI | 1.977034 | 0.0000474 |  | NAGS | 1.403567 | 0.001570698 |
| TM4SF1 | 2.002095 | 0.000112 |  | ACVRL1 | 1.408246 | 0.0000509 |
| PNP | 2.005333 | 0.0000859 |  | SLC17A9 | 1.411862 | 0.0000509 |
| SLAMF8 | 2.014005 | 0.000898914 |  | NTN3 | 1.412729 | 0.0000503 |
| MT1L | 2.021771 | 0.000117 |  | IFITM1 | 1.412863 | 0.000664736 |
| CLDN5 | 2.055548 | 0.0000375 |  | IL1R1 | 1.413763 | 0.000592374 |
| FOXF1 | 2.064285 | 0.000273019 |  | ORAI1 | 1.41628 | 0.0000866 |
| CD93 | 2.0834 | 0.0000036 |  | WDR86 | 1.420373 | 0.001344818 |
| SLC16A12 | 2.097223 | 0.000283265 |  | TAGLN2 | 1.421225 | 0.0000105 |
| CXCL2 | 2.108181 | 0.00019 |  | C22orf34 | 1.421755 | 0.000918374 |
| LRRC32 | 2.117698 | 0.0000035 |  | SQOR | 1.423736 | 0.000109 |
| PERP | 2.134596 | 0.0000077 |  | FAM27E3 | 1.428464 | 0.001653143 |
| FOXJ1 | 2.168824 | 0.000641836 |  | ATAD3C | 1.433616 | 0.000254776 |
| MPZL2 | 2.1762 | 0.000032 |  | FLT1 | 1.43429 | 0.001520166 |
| HSPB1 | 2.232733 | 0.000290404 |  | SLC6A10P | 1.434525 | 0.000277682 |
| SERPINA3 | 2.340807 | 0.000134 |  | FGR | 1.436001 | 0.0000894 |
| AC114757.1 | 2.359838 | 0.000326098 |  | C1QL1 | 1.436611 | 0.0000485 |
| DEPP1 | 2.362384 | 0.00000972 |  | DSP | 1.442921 | 0.001471182 |
| TNFRSF10D | 2.372361 | 0.0000117 |  | ZBTB42 | 1.443577 | 0.0000524 |
| FAM167B | 2.385528 | 0.000343891 |  | S1PR3 | 1.445016 | 0.0000649 |
| HBA2 | 2.412895 | 0.000701664 |  | BORCS8-MEF2B | 1.446318 | 0.000248147 |
| HBB | 2.444148 | 0.001244165 |  | NFAM1 | 1.446984 | 0.000000678 |
| HBA1 | 2.46041 | 0.000579909 |  | COL8A2 | 1.447355 | 0.000261767 |
| IL1RL1 | 2.483562 | 0.000345883 |  | NIBAN2 | 1.448296 | 0.00000431 |
| GPR4 | 2.49057 | 0.00000118 |  | SIX5 | 1.449081 | 0.000117 |
| PLA1A | 2.493369 | 0.0000054 |  | TFAP2E-AS1 | 1.449617 | 0.000526021 |
| SOCS3 | 2.528051 | 0.0000422 |  | TMEM204 | 1.453161 | 0.001004743 |
| CXCL1 | 2.591912 | 0.0000175 |  | XPC-AS1 | 1.454742 | 0.000818276 |
| SERPINH1 | 2.602374 | 0.001453121 |  | DLL4 | 1.458615 | 0.000775325 |
| PDLIM1 | 2.700665 | 0.000000492 |  | TBX3 | 1.460493 | 0.003188781 |
| IL3RA | 2.74828 | 0.00012 |  | ITPRIPL2 | 1.462897 | 0.001017737 |
| MTCO3P12 | 3.190935 | 0.000625508 |  | AL390755.1 | 1.463489 | 0.002010237 |
| ABL2 | 3.660448 | 0.000085 |  | ITPR3 | 1.463783 | 0.00030096 |
| STC1 | 3.704457 | 0.000105 |  | CRACR2B | 1.464945 | 0.000306541 |
| TNFRSF6B | 3.723283 | 0.00000378 |  | NQO1 | 1.465476 | 0.00318564 |
| HSPA6 | 3.777726 | 0.000455407 |  | MRC1 | 1.467805 | 0.002767669 |
|  |  |  |  | LINC01354 | 1.468347 | 0.00084948 |
|  |  |  |  | SERTAD1 | 1.469197 | 0.000208111 |
|  |  |  |  | AC069281.2 | 1.472729 | 0.000338343 |
|  |  |  |  | HHEX | 1.47296 | 0.001811067 |
|  |  |  |  | PRELP | 1.475498 | 0.0000862 |
|  |  |  |  | CBX2 | 1.476056 | 0.000344646 |
|  |  |  |  | CCDC102A | 1.480944 | 0.002904841 |
|  |  |  |  | COL6A2 | 1.481226 | 0.000118 |
|  |  |  |  | EPHX1 | 1.485613 | 0.002091492 |
|  |  |  |  | MFNG | 1.486498 | 0.000382031 |
|  |  |  |  | AL008638.3 | 1.489144 | 0.001700195 |
|  |  |  |  | SRGN | 1.490137 | 0.002238088 |
|  |  |  |  | FOXC1 | 1.496483 | 0.000801248 |
|  |  |  |  | BST2 | 1.496584 | 0.000555908 |
|  |  |  |  | C1QA | 1.496704 | 0.000113 |
|  |  |  |  | MIR3176 | 1.499339 | 0.000361957 |
|  |  |  |  | SLC7A2 | 1.499754 | 0.002125022 |
|  |  |  |  | ALOX15 | 1.50037 | 0.002424674 |
|  |  |  |  | AC073320.1 | 1.503114 | 0.001674298 |
|  |  |  |  | TNFRSF1B | 1.503463 | 0.00000535 |
|  |  |  |  | TOR4A | 1.50372 | 0.0000704 |
|  |  |  |  | LRRC32 | 1.504268 | 0.000659905 |
|  |  |  |  | ANGPTL4 | 1.505085 | 0.001630225 |
|  |  |  |  | NES | 1.509159 | 0.00000601 |
|  |  |  |  | POLD1 | 1.51193 | 0.0000712 |
|  |  |  |  | CASZ1 | 1.512359 | 0.0000169 |
|  |  |  |  | SYDE1 | 1.512453 | 0.000125 |
|  |  |  |  | NANOS1 | 1.513315 | 0.000912151 |
|  |  |  |  | EVC2 | 1.514038 | 0.000134 |
|  |  |  |  | AC112236.3 | 1.514338 | 0.001441146 |
|  |  |  |  | COL1A2 | 1.516491 | 0.000419073 |
|  |  |  |  | HMOX1 | 1.518802 | 0.0000804 |
|  |  |  |  | SPR | 1.519186 | 0.000484428 |
|  |  |  |  | CCN1 | 1.520408 | 0.002777697 |
|  |  |  |  | PCSK5 | 1.5247 | 0.000578583 |
|  |  |  |  | PRX | 1.526853 | 0.001204421 |
|  |  |  |  | EMILIN2 | 1.528033 | 0.00000498 |
|  |  |  |  | C10orf105 | 1.52862 | 0.003428475 |
|  |  |  |  | SMAD6 | 1.529878 | 0.000884789 |
|  |  |  |  | COL18A1 | 1.530205 | 0.00000662 |
|  |  |  |  | LRRC3 | 1.537016 | 0.0000596 |
|  |  |  |  | CLIC1 | 1.539928 | 0.000191779 |
|  |  |  |  | SOX18 | 1.547073 | 0.000175 |
|  |  |  |  | CEBPD | 1.547627 | 0.0000275 |
|  |  |  |  | AC005726.1 | 1.549824 | 0.000919976 |
|  |  |  |  | NMB | 1.549855 | 0.000077 |
|  |  |  |  | MRC2 | 1.552352 | 0.00000838 |
|  |  |  |  | TSPAN4 | 1.564684 | 0.00000162 |
|  |  |  |  | TM4SF1 | 1.565273 | 0.002033752 |
|  |  |  |  | NFKB2 | 1.566854 | 0.000126 |
|  |  |  |  | EMP1 | 1.569342 | 0.000231913 |
|  |  |  |  | SOD3 | 1.583649 | 0.000131 |
|  |  |  |  | SLC16A3 | 1.587283 | 0.000166 |
|  |  |  |  | GATA2 | 1.591122 | 0.000978947 |
|  |  |  |  | CARD10 | 1.596794 | 0.000768216 |
|  |  |  |  | AHNAK | 1.597984 | 0.00000582 |
|  |  |  |  | GFAP | 1.602984 | 0.00000127 |
|  |  |  |  | C11orf96 | 1.603648 | 0.0000173 |
|  |  |  |  | C4B | 1.603937 | 0.000101 |
|  |  |  |  | THBD | 1.604978 | 0.000669632 |
|  |  |  |  | NUPR1 | 1.609361 | 0.001237451 |
|  |  |  |  | GATA2-AS1 | 1.612994 | 0.000418664 |
|  |  |  |  | APOL4 | 1.614018 | 0.000788855 |
|  |  |  |  | CD93 | 1.623809 | 0.000220002 |
|  |  |  |  | FOXF1 | 1.626162 | 0.00344589 |
|  |  |  |  | SIK1B | 1.628911 | 0.001209882 |
|  |  |  |  | ZFP36 | 1.632609 | 0.000512513 |
|  |  |  |  | MEF2B | 1.637042 | 0.00181401 |
|  |  |  |  | ANGPT2 | 1.641083 | 0.000228107 |
|  |  |  |  | VSIG2 | 1.648918 | 0.003164303 |
|  |  |  |  | TUBB6 | 1.65255 | 0.0000033 |
|  |  |  |  | AC016590.1 | 1.65455 | 0.000132 |
|  |  |  |  | YBX3 | 1.657436 | 0.000111 |
|  |  |  |  | STAB1 | 1.658231 | 0.00000164 |
|  |  |  |  | CDKN1A | 1.659413 | 0.000460783 |
|  |  |  |  | GJA4 | 1.667282 | 0.000219691 |
|  |  |  |  | PDLIM1 | 1.668311 | 0.001127539 |
|  |  |  |  | SFN | 1.671428 | 0.001014175 |
|  |  |  |  | AQP1 | 1.672929 | 0.00000957 |
|  |  |  |  | EVA1B | 1.680125 | 0.0000514 |
|  |  |  |  | AL356488.2 | 1.684404 | 0.003313903 |
|  |  |  |  | TCIRG1 | 1.687062 | 0.000000248 |
|  |  |  |  | TTPA | 1.692272 | 0.001846175 |
|  |  |  |  | PROSER2 | 1.693373 | 0.000731686 |
|  |  |  |  | SYNDIG1L | 1.693678 | 0.000269442 |
|  |  |  |  | C1QC | 1.703777 | 0.00000461 |
|  |  |  |  | ROM1 | 1.709165 | 0.003298405 |
|  |  |  |  | VIM | 1.712267 | 0.00000301 |
|  |  |  |  | ADORA2A | 1.71393 | 0.0000261 |
|  |  |  |  | C1R | 1.721986 | 0.000000794 |
|  |  |  |  | FMOD | 1.737518 | 0.002083314 |
|  |  |  |  | ZIC4 | 1.746891 | 0.000225184 |
|  |  |  |  | PERP | 1.751681 | 0.000197022 |
|  |  |  |  | MT2A | 1.754102 | 0.000255456 |
|  |  |  |  | PGAP1 | 1.761134 | 0.000337276 |
|  |  |  |  | MKNK2 | 1.771754 | 0.000133 |
|  |  |  |  | MT1X | 1.773922 | 0.0000567 |
|  |  |  |  | CLEC18C | 1.778959 | 0.000248173 |
|  |  |  |  | AJUBA | 1.786303 | 0.000135 |
|  |  |  |  | FP671120.4 | 1.790033 | 0.002389637 |
|  |  |  |  | TYMP | 1.794603 | 0.0000149 |
|  |  |  |  | SLAMF8 | 1.808166 | 0.002795583 |
|  |  |  |  | CRIP1 | 1.813634 | 0.001577828 |
|  |  |  |  | CLDN5 | 1.822098 | 0.00022666 |
|  |  |  |  | PLA1A | 1.825522 | 0.000597444 |
|  |  |  |  | FAM110D | 1.827142 | 0.0000295 |
|  |  |  |  | DDAH2 | 1.828306 | 0.00000959 |
|  |  |  |  | METRNL | 1.837578 | 0.00056601 |
|  |  |  |  | PGF | 1.838983 | 0.00000798 |
|  |  |  |  | PODN | 1.871071 | 0.000135 |
|  |  |  |  | TNFRSF10D | 1.87377 | 0.000385722 |
|  |  |  |  | DPPA4 | 1.874825 | 0.002867091 |
|  |  |  |  | AC092384.3 | 1.883354 | 0.0000176 |
|  |  |  |  | APOLD1 | 1.897549 | 0.000778143 |
|  |  |  |  | AEBP1 | 1.898367 | 0.00000995 |
|  |  |  |  | ODF3B | 1.913547 | 0.0000462 |
|  |  |  |  | FERMT3 | 1.919299 | 0.0000922 |
|  |  |  |  | MT1M | 1.94634 | 0.000560304 |
|  |  |  |  | HIC1 | 1.957821 | 0.0000188 |
|  |  |  |  | CYP1B1 | 1.960793 | 0.0000973 |
|  |  |  |  | ID3 | 1.965363 | 0.00000049 |
|  |  |  |  | SCARA5 | 1.988958 | 0.002875749 |
|  |  |  |  | ICAM1 | 1.989362 | 0.00000584 |
|  |  |  |  | C4A | 2.034496 | 0.0000112 |
|  |  |  |  | GJB2 | 2.054367 | 0.000766497 |
|  |  |  |  | AL049757.1 | 2.061606 | 0.0000305 |
|  |  |  |  | SOCS3 | 2.063128 | 0.000605777 |
|  |  |  |  | SECTM1 | 2.064654 | 0.000268859 |
|  |  |  |  | IL32 | 2.085629 | 0.0000744 |
|  |  |  |  | TIMP1 | 2.088234 | 1.69E-08 |
|  |  |  |  | MSX1 | 2.090246 | 0.0000399 |
|  |  |  |  | MT-TN | 2.171403 | 0.001632409 |
|  |  |  |  | DEPP1 | 2.178725 | 0.0000392 |
|  |  |  |  | MT1L | 2.201357 | 0.0000342 |
|  |  |  |  | GPR4 | 2.242235 | 0.00000984 |
|  |  |  |  | HSPB1 | 2.25179 | 0.000275605 |
|  |  |  |  | IL3RA | 2.254852 | 0.001240061 |
|  |  |  |  | RPSAP48 | 2.331709 | 0.000343667 |
|  |  |  |  | FAM167B | 2.376186 | 0.00039412 |
|  |  |  |  | HSPA7 | 2.406064 | 0.000164 |
|  |  |  |  | NPC1L1 | 2.426108 | 0.000719514 |
|  |  |  |  | DNAJB1 | 2.432852 | 0.001853647 |
|  |  |  |  | RNU2-58P | 2.434025 | 0.00190079 |
|  |  |  |  | AL035078.1 | 2.486987 | 0.000117 |
|  |  |  |  | SERPINH1 | 2.599263 | 0.001522045 |
|  |  |  |  | AC009404.1 | 2.647794 | 0.000264865 |
|  |  |  |  | PSG2 | 2.687017 | 0.000403061 |
|  |  |  |  | STC1 | 2.746253 | 0.002380475 |
|  |  |  |  | TGFBI | 2.75799 | 6.03E-08 |
|  |  |  |  | SERPINA3 | 2.758036 | 0.0000125 |
|  |  |  |  | FOXJ1 | 2.850273 | 0.0000179 |
|  |  |  |  | NPM1P40 | 3.010825 | 0.000161 |
|  |  |  |  | SINHCAFP3 | 3.022924 | 0.000430295 |
|  |  |  |  | TNFRSF6B | 3.394207 | 0.0000182 |
|  |  |  |  | AC010970.1 | 4.091295 | 0.0000754 |
|  |  |  |  | HSPA6 | 4.956657 | 0.0000187 |
|  |  |  |  | FP236383.4 | 5.05216 | 0.0000408 |
|  |  |  |  | FP671120.6 | 5.05216 | 0.0000408 |
|  |  |  |  | FP236383.5 | 5.05216 | 0.0000408 |