logFC AveExpr t P.Value adj.P.Val B change

TAGAP 0.473356693 10.74774624 8.412163753 2.88E-10 4.50E-06 13.34438717 stable

PPM1B 0.308510093 11.39635841 8.317494925 3.83E-10 4.50E-06 13.06184221 stable

SLC38A2 0.431257412 12.64643727 8.092670525 7.57E-10 5.94E-06 12.38685129 stable

ZCCHC10 -0.455402921 8.486094986 -7.578077283 3.68E-09 2.17E-05 10.8222695 stable

FASLG 1.985010435 6.072325873 7.451868523 5.45E-09 2.25E-05 10.43476154 up

RPRD1B 0.341492548 7.932662049 7.434768896 5.75E-09 2.25E-05 10.38215506 stable

RSBN1 0.434936208 10.43898497 7.322009429 8.17E-09 2.47E-05 10.03465783 stable

ZBTB11 0.367113024 10.6144486 7.312453049 8.41E-09 2.47E-05 10.00516101 stable

SMAD7 0.988915296 8.699985569 7.24159676 1.05E-08 2.74E-05 9.786237628 stable

ATP2B4 0.531839025 8.241848021 7.17293464 1.30E-08 3.06E-05 9.573738928 stable

ZBTB24 -0.800379337 7.151136067 -7.061816697 1.84E-08 3.94E-05 9.229147792 stable

ZBTB21 0.59379726 8.056455758 7.006701332 2.19E-08 4.30E-05 9.057926206 stable

CCDC117 0.497076337 10.2766222 6.902034148 3.05E-08 5.52E-05 8.732256916 stable

SYF2 -1.175612179 7.588060794 -6.858971433 3.49E-08 5.87E-05 8.598086569 down

S1PR5 1.555326318 8.698067083 6.805550164 4.13E-08 5.90E-05 8.431504915 up

ATF4 -0.306629032 12.22673661 -6.799084686 4.22E-08 5.90E-05 8.411333938 stable

KBTBD2 0.269262244 9.473394142 6.795725803 4.27E-08 5.90E-05 8.400854084 stable

LOC101929889 /// SPN 0.537678023 10.19818399 6.755699296 4.84E-08 6.22E-05 8.275927275 stable

ZBED5-AS1 -0.408655521 9.06639282 -6.744064575 5.02E-08 6.22E-05 8.239599785 stable

SH2D1B 1.514674336 8.466348674 6.721030403 5.40E-08 6.35E-05 8.167660966 up

YES1 0.915718535 7.877328959 6.653739422 6.68E-08 7.19E-05 7.95736854 stable

ENPP4 0.827974881 9.446521322 6.651736526 6.73E-08 7.19E-05 7.951106338 stable

SF3B6 -1.067937146 4.42290602 -6.587787295 8.24E-08 8.42E-05 7.751081983 down

BTG1 -0.848093077 8.721735308 -6.541647689 9.53E-08 9.22E-05 7.606670993 stable

TBX21 1.156876794 10.33261728 6.532920132 9.80E-08 9.22E-05 7.579346787 up

CASP10 0.38404481 8.521849908 6.503288176 1.08E-07 9.74E-05 7.486557095 stable

MED14 0.243480659 9.845559486 6.464353362 1.22E-07 9.76E-05 7.364596405 stable

ENPP5 1.738855658 5.594954901 6.461171837 1.23E-07 9.76E-05 7.354628599 up

LONRF1 -1.141521475 7.594032837 -6.460862375 1.23E-07 9.76E-05 7.353659033 down

TFRC -0.256748228 10.69173638 -6.442155417 1.31E-07 9.76E-05 7.295043994 stable

NCBP2-AS2 -0.298600057 9.869060927 -6.438172451 1.32E-07 9.76E-05 7.282562879 stable

ZNF644 0.423502619 8.424224898 6.437244693 1.33E-07 9.76E-05 7.279655577 stable

ELOVL6 1.498986391 4.10406869 6.416803327 1.42E-07 0.000100044 7.215593305 up

PLEKHF1 1.130812392 8.814547813 6.410392024 1.45E-07 0.000100044 7.195498505 up

FEM1B 0.508655105 8.58552422 6.399435806 1.50E-07 0.000100628 7.161156469 stable

TGFBR1 0.681251415 7.490877186 6.385811178 1.56E-07 0.000101493 7.118446596 stable

LOC285812 0.767184839 9.879791772 6.379256053 1.60E-07 0.000101493 7.097896447 stable

ABHD17B 0.362875157 8.556020946 6.295672106 2.08E-07 0.000128905 6.835791253 stable

LPCAT1 0.562386233 11.30342411 6.264573744 2.30E-07 0.000138661 6.738243711 stable

ANKRD46 0.630353807 8.978821064 6.247053719 2.43E-07 0.000142945 6.68328264 stable

ZFAND2A -0.446134307 9.235681193 -6.223185049 2.62E-07 0.000150465 6.608400447 stable

NKG7 0.911249938 13.75266391 6.210896964 2.73E-07 0.000152741 6.569847551 stable

ZBTB6 1.138644207 4.779878082 6.193901059 2.88E-07 0.000157482 6.516522378 up

PRF1 1.106748062 12.8502094 6.179281265 3.02E-07 0.000159832 6.470650872 up

NUP133 0.336874964 9.308406985 6.174966811 3.06E-07 0.000159832 6.457113497 stable

CX3CR1 1.262942463 4.913564853 6.165147067 3.15E-07 0.000161323 6.426301969 up

PRR5L 0.990465383 8.920306417 6.144037314 3.37E-07 0.000168111 6.360064511 stable

EOMES 0.96433684 10.47348306 6.138836365 3.43E-07 0.000168111 6.343744982 stable

FUT11 0.730536136 10.03239843 6.074186417 4.22E-07 0.000201711 6.140886821 stable

NUFIP2 0.275861083 10.32996966 6.068806856 4.29E-07 0.000201711 6.124007307 stable

EIF1 -0.274870296 14.16947562 -6.038024469 4.73E-07 0.00021813 6.02742399 stable

LGR6 1.55141977 7.478343467 6.015980525 5.07E-07 0.000229499 5.958262641 up

LOC100130872 /// SPON2 1.29462882 11.46038142 6.002100207 5.30E-07 0.00023535 5.91471635 up

ERCC6 0.593748839 5.685874699 5.973743086 5.80E-07 0.000252832 5.825759011 stable

ADAMTS1 2.010094203 5.148709927 5.936435913 6.54E-07 0.000279566 5.708741457 up

LOC102724017 -0.438536229 7.254568287 -5.921098848 6.86E-07 0.000288325 5.660641705 stable

MATK 0.700120104 8.969951575 5.869233172 8.10E-07 0.000334166 5.498015272 stable

NIPBL 0.188816744 10.24388098 5.859741997 8.35E-07 0.000338486 5.468261711 stable

PHF13 0.482517678 9.020501956 5.850441855 8.60E-07 0.000342756 5.439109109 stable

RAB8B 0.438976681 10.84529329 5.839430538 8.90E-07 0.000349077 5.404595376 stable

ACBD5 0.413518894 7.456137296 5.784003432 1.06E-06 0.000409661 5.230915858 stable

IL4R -0.497311879 11.10011174 -5.765286309 1.13E-06 0.000423926 5.172287193 stable

GZMA 0.861276898 12.95348336 5.763129003 1.14E-06 0.000423926 5.165530485 stable

IGIP 0.435513612 8.376524685 5.747455899 1.19E-06 0.000438661 5.116446896 stable

ARHGEF3 0.414528876 12.24579099 5.739836874 1.22E-06 0.000442521 5.092589434 stable

TGFBR3 0.94633232 9.965292643 5.729281703 1.26E-06 0.000450714 5.059541471 stable

TRIM13 -0.673392847 7.771525325 -5.714878715 1.32E-06 0.000464825 5.014452786 stable

ARNTL 0.345960557 10.02192012 5.708677899 1.35E-06 0.000465505 4.995043522 stable

RHOBTB3 1.297957777 4.828947162 5.705181981 1.37E-06 0.000465505 4.984101558 up

P2RX5 -0.668525826 10.63783497 -5.691214679 1.43E-06 0.000479721 4.940389823 stable

CST7 0.996169027 11.87137929 5.668815015 1.53E-06 0.000507923 4.870305204 stable

CHST12 0.563906275 9.728309058 5.657958378 1.59E-06 0.000516248 4.836344458 stable

MBD5 0.499993114 5.500555004 5.654980296 1.60E-06 0.000516248 4.827029605 stable

CHST2 0.712261496 11.11396118 5.645084179 1.65E-06 0.000520331 4.796079376 stable

SLK 0.361713659 9.415542089 5.638467694 1.69E-06 0.000520331 4.775388738 stable

RNF145 0.277688463 11.18951197 5.636259003 1.70E-06 0.000520331 4.768482319 stable

GPR56 1.506798716 8.784165986 5.635744393 1.70E-06 0.000520331 4.766873205 up

IL2RB 0.807421866 12.43485778 5.617600204 1.80E-06 0.000544192 4.710146827 stable

FBXO38 0.283900648 8.479076566 5.594346454 1.94E-06 0.000577792 4.637469445 stable

C19orf12 0.444141254 9.565480573 5.590811912 1.97E-06 0.000577792 4.626424972 stable

NMUR1 1.171102405 5.767418393 5.556465422 2.19E-06 0.000636535 4.51913609 up

MLC1 1.036688649 8.556370445 5.545135727 2.27E-06 0.000645468 4.483759453 up

GZMB 1.203763397 12.18068124 5.543814588 2.28E-06 0.000645468 4.479634709 up

KLF3 0.196881608 10.46784541 5.540645856 2.31E-06 0.000645468 4.469741976 stable

IRF2BPL 0.351359366 11.94549487 5.527051599 2.41E-06 0.000666049 4.4273075 stable

KLRF1 1.044965637 11.44813144 5.50369094 2.59E-06 0.000709049 4.354412806 up

ZNF322 0.583584621 8.057543309 5.489589558 2.71E-06 0.000733023 4.310426974 stable

KIR2DL3 1.569307666 7.421726492 5.484164809 2.76E-06 0.000737294 4.293509116 up

STK39 0.494204792 9.727533667 5.472176931 2.87E-06 0.000757312 4.256129895 stable

PMS2P5 -0.619411571 8.264015309 -5.465815443 2.92E-06 0.000764187 4.236298028 stable

RAP1GAP2 0.400574011 11.11669991 5.45158394 3.06E-06 0.000784662 4.19194119 stable

RSRC2 0.200899992 10.37616711 5.448462301 3.09E-06 0.000784662 4.182213463 stable

ADAM28 -0.700530409 9.865124332 -5.447168231 3.10E-06 0.000784662 4.178181048 stable

AK024119 /// CTC-378H22.2 -0.478750196 6.98030501 -5.43029018 3.27E-06 0.000819058 4.125598338 stable

PXN 0.248985546 10.97830401 5.425115753 3.33E-06 0.000823076 4.109481651 stable

RNF219 0.376988288 8.84562387 5.422117977 3.36E-06 0.000823076 4.100145397 stable

HSPA8 /// SNORD14C /// SNORD14D 0.182353854 15.0508105 5.394780537 3.66E-06 0.000882256 4.015035744 stable

PDGFD 1.48034368 7.704278293 5.393746925 3.68E-06 0.000882256 4.011818873 up

FAM78A /// LOC101927137 0.161957406 11.52949688 5.388198132 3.74E-06 0.000888859 3.994550947 stable

PIK3CG 0.415641865 9.407639963 5.376374727 3.88E-06 0.000912944 3.957764071 stable

CLDND2 0.89683668 4.425145363 5.372943164 3.93E-06 0.000912944 3.947089237 stable

APMAP 0.462032617 11.80930175 5.370362104 3.96E-06 0.000912944 3.939060725 stable

PPAPDC1B -0.55331336 8.916695435 -5.351877895 4.20E-06 0.000958669 3.881579864 stable

ZNFX1 0.238426702 10.34085476 5.331426638 4.48E-06 0.000984107 3.818013694 stable

NCR1 0.946325775 4.158901488 5.331196953 4.48E-06 0.000984107 3.817299987 stable

TMEM170A 0.223359714 10.28700744 5.328284394 4.52E-06 0.000984107 3.808250053 stable

SLC5A3 0.594168317 6.054918389 5.327634224 4.53E-06 0.000984107 3.806229933 stable

PPM1D 0.64169841 8.927709253 5.326423419 4.55E-06 0.000984107 3.802467977 stable

ZNF217 0.500201344 10.73487901 5.323059384 4.60E-06 0.000984107 3.792016598 stable

BCL10 -0.798997295 7.515591756 -5.322878861 4.60E-06 0.000984107 3.791455776 stable

TNFSF14 1.096705953 6.706311296 5.317808298 4.68E-06 0.000991042 3.775704411 up

EIF5 /// SNORA28 -1.16770914 7.856268215 -5.313175481 4.75E-06 0.00099672 3.761314755 down

CD247 0.604198837 12.37789152 5.293926067 5.04E-06 0.00105003 3.701545053 stable

PHF23 0.547994797 9.65191128 5.286744077 5.16E-06 0.001064633 3.679253047 stable

GPR174 0.55385219 7.939012085 5.284027341 5.21E-06 0.001064633 3.670821808 stable

ZKSCAN8 0.465542382 6.176819939 5.279794171 5.28E-06 0.001069701 3.657685697 stable

INSIG2 0.243002674 9.619573296 5.272141173 5.40E-06 0.001086576 3.633941413 stable

ZC3H10 0.760673656 6.553872832 5.263288706 5.56E-06 0.001107994 3.606482168 stable

NPC1 0.56517379 9.929986294 5.251558232 5.77E-06 0.00114025 3.570106646 stable

PTGDR 1.043987312 9.009367176 5.235466852 6.07E-06 0.001185221 3.520228824 up

AK6 /// TAF9 -0.231179709 10.89034145 -5.234068981 6.10E-06 0.001185221 3.51589704 stable

GOLGA4 0.236123489 10.25265249 5.226425868 6.25E-06 0.001197381 3.492215483 stable

FGFBP2 1.271145098 11.82211695 5.225661143 6.26E-06 0.001197381 3.489846351 up

PKIG -0.811459162 8.942852513 -5.222136645 6.33E-06 0.001201042 3.47892811 stable

ITPRIPL1 0.707205054 4.623390667 5.202523234 6.74E-06 0.001267679 3.41819127 stable

RAB9A 0.404991113 10.42336978 5.196460297 6.87E-06 0.001281959 3.399423774 stable

SETX 0.265572696 11.08072509 5.191205268 6.98E-06 0.001284805 3.383160058 stable

KLRD1 0.969469827 10.83170817 5.188866121 7.03E-06 0.001284805 3.375921548 stable

SEMA4C 0.498618537 8.12144794 5.18831543 7.05E-06 0.001284805 3.37421751 stable

DNAJB4 0.579346023 5.223751349 5.177582923 7.29E-06 0.00131393 3.341013312 stable

B3GNT2 0.432292588 9.341960053 5.176355376 7.32E-06 0.00131393 3.337216275 stable

KIR3DL1 /// KIR3DL2 1.616465348 7.351013053 5.166002989 7.56E-06 0.001347335 3.305200459 up

PPM1L 0.599441112 8.843527835 5.162321071 7.65E-06 0.00135285 3.293816405 stable

CASP3 0.331136623 9.765964041 5.153457574 7.87E-06 0.001380879 3.266417285 stable

TM2D3 0.329264505 10.15479371 5.141522547 8.17E-06 0.001423296 3.229536357 stable

WDR89 0.448607475 6.577608199 5.13264261 8.40E-06 0.001453 3.202105892 stable

LASP1 0.158544067 13.3205217 5.126474142 8.57E-06 0.001470755 3.183056237 stable

GPR65 0.483933692 11.24655337 5.110226731 9.02E-06 0.001536911 3.132900253 stable

NAPEPLD 0.486343126 7.560446161 5.098103077 9.37E-06 0.001585339 3.095493315 stable

PAFAH2 0.53214337 8.497568412 5.095647222 9.44E-06 0.001586254 3.087917892 stable

FADS3 -0.449195719 8.008837899 -5.092099568 9.55E-06 0.001592725 3.07697586 stable

ZNF225 0.470807643 4.750239773 5.081345374 9.88E-06 0.001636055 3.043815393 stable

FUS -1.335925748 7.650079826 -5.07013784 1.02E-05 0.001683034 3.00927112 down

LOC102724112 /// WIBG -0.276021287 8.335176241 -5.055493712 1.07E-05 0.001750276 2.964156391 stable

CMC1 0.50531099 9.786518949 5.050771501 1.09E-05 0.001759466 2.94961386 stable

IGHD -0.905028011 11.16390367 -5.049452622 1.09E-05 0.001759466 2.945552706 stable

WASF1 -0.500268566 6.087237481 -5.037948338 1.13E-05 0.00180341 2.910136979 stable

DERL1 0.226392274 10.5813037 5.037299374 1.13E-05 0.00180341 2.908139627 stable

PTPN4 0.643967652 10.68595666 5.035053879 1.14E-05 0.001804017 2.901228934 stable

XIAP 0.427736346 7.410568484 5.027118121 1.17E-05 0.001837324 2.876810883 stable

MYBL1 0.750168724 11.40996204 5.018441282 1.20E-05 0.001863998 2.850121323 stable

RASSF5 0.190520672 11.91772689 5.017914174 1.21E-05 0.001863998 2.848500258 stable

C16orf72 0.384924588 10.10108313 5.016246811 1.21E-05 0.001863998 2.84337269 stable

PARP6 -0.169274613 9.693231758 -4.991191616 1.31E-05 0.00200376 2.766363163 stable

CCDC59 -0.256228729 10.06944783 -4.983119997 1.35E-05 0.002042003 2.741571105 stable

ZNF227 0.283257536 8.21905037 4.980032679 1.36E-05 0.002048586 2.732090572 stable

KIR3DL1 1.522702061 7.429700238 4.978017764 1.37E-05 0.002048586 2.725903833 up

ARL4C 0.462691463 12.32704944 4.97355536 1.39E-05 0.002061784 2.712204009 stable

SNIP1 0.500324939 7.579357036 4.971946981 1.39E-05 0.002061784 2.70726683 stable

RAB33A 0.635191695 7.255453737 4.969678408 1.40E-05 0.002063557 2.700303644 stable

GFI1 0.712591096 7.991391087 4.958225283 1.46E-05 0.002121399 2.665159508 stable

RNF103 -1.080157522 6.460614073 -4.956925473 1.46E-05 0.002121399 2.661172103 down

CCL4 1.398127305 10.66325435 4.953397031 1.48E-05 0.002131882 2.650349074 up

SH2D2A 0.886300163 8.96438204 4.947960932 1.50E-05 0.002152212 2.633677782 stable

TKTL1 0.96378461 8.279935322 4.946491551 1.51E-05 0.002152212 2.629172197 stable

TIPARP 0.359264866 10.06372445 4.933124212 1.57E-05 0.002230934 2.588196941 stable

NCK1 0.189710264 10.35225126 4.923934375 1.62E-05 0.002282463 2.560041058 stable

PRPF38B 0.182173913 10.21867309 4.917748507 1.65E-05 0.002313342 2.541095226 stable

COLGALT2 1.067118873 5.815949086 4.91176116 1.68E-05 0.002343253 2.522762415 up

MFAP1 0.617716751 9.292288683 4.905650706 1.72E-05 0.002374541 2.504057758 stable

ADRB2 1.009594474 9.056297863 4.903030297 1.73E-05 0.002380133 2.496038031 up

SELPLG 0.219862937 12.533728 4.899861297 1.75E-05 0.002385958 2.486340633 stable

GIMAP4 0.313794564 12.9404982 4.898541982 1.75E-05 0.002385958 2.482303833 stable

GIMAP6 0.332687346 12.449206 4.894837406 1.78E-05 0.002393142 2.470969988 stable

SFT2D3 /// WDR33 0.313845157 8.049685387 4.893916511 1.78E-05 0.002393142 2.468152883 stable

SLC20A1 0.340373564 11.66577644 4.868105455 1.93E-05 0.002572673 2.389243386 stable

ERMP1 0.511629489 8.981947375 4.867202228 1.94E-05 0.002572673 2.386483769 stable

MED17 0.364957421 10.12851871 4.86413161 1.95E-05 0.002582938 2.377103037 stable

FAM179A 0.612647754 6.508526815 4.859799361 1.98E-05 0.002603587 2.363870347 stable

PTGER4 0.706253675 8.872816748 4.8539031 2.02E-05 0.002637359 2.345864834 stable

PYHIN1 1.009143501 7.375491794 4.851497717 2.03E-05 0.00264261 2.338520937 up

LYSMD3 0.496604671 9.760433791 4.848937155 2.05E-05 0.002649237 2.330704195 stable

ZNF184 0.537661063 8.097535729 4.846819645 2.06E-05 0.002652279 2.324240704 stable

EFHD2 0.367431195 12.71042217 4.84401507 2.08E-05 0.002661117 2.315681037 stable

PEX13 0.404250604 4.795107772 4.842054179 2.09E-05 0.002663022 2.309697013 stable

IFFO2 0.308515905 8.580361783 4.836368693 2.13E-05 0.002696241 2.292349922 stable

ARL13B 0.264866007 7.834063226 4.830955567 2.17E-05 0.002709115 2.275838314 stable

RGS3 0.477839585 9.568566952 4.830551373 2.17E-05 0.002709115 2.274605579 stable

TARDBP 0.184183186 11.19239412 4.829730458 2.18E-05 0.002709115 2.272101981 stable

MIB2 -0.409864911 7.451385508 -4.827088007 2.19E-05 0.002717219 2.264043815 stable

GNLY 0.830289328 13.81324996 4.822769445 2.22E-05 0.002726507 2.250876605 stable

HEG1 0.509710007 8.056303518 4.822647936 2.23E-05 0.002726507 2.250506169 stable

IGF2R 0.397508612 10.23036415 4.814532248 2.28E-05 0.002782078 2.225769374 stable

LOC100505501 0.60328769 7.703873625 4.80627409 2.34E-05 0.0028401 2.200608629 stable

AB074162 /// MIR181A2HG 0.937269456 4.18588109 4.797872429 2.40E-05 0.002900685 2.175021409 stable

CLASRP -0.266905539 10.72212042 -4.793188215 2.44E-05 0.002928419 2.160760394 stable

STAT4 0.480824018 10.96839093 4.788342556 2.48E-05 0.002957979 2.146011455 stable

RAB22A 0.240426875 9.707790454 4.785524112 2.50E-05 0.002969055 2.137434523 stable

ATAD2 0.328956238 7.372570061 4.767884023 2.64E-05 0.003121346 2.08378159 stable

FBXO30 0.583586833 9.024759088 4.763863791 2.67E-05 0.003144938 2.071560825 stable

BZRAP1 0.664170355 7.768876796 4.745300418 2.83E-05 0.003300259 2.015165278 stable

HS3ST3B1 0.745185831 6.578146126 4.745214578 2.83E-05 0.003300259 2.014904626 stable

ALG11 /// UTP14C 0.347028136 9.302563529 4.743067988 2.85E-05 0.003306049 2.008386914 stable

KIR3DL3 1.465655078 7.582929372 4.732306024 2.95E-05 0.003402048 1.975721617 up

YPEL5 -0.281537518 13.29119041 -4.714396202 3.12E-05 0.003579659 1.921403167 stable

BBS12 0.865018338 4.762859107 4.70746378 3.19E-05 0.003623095 1.900392302 stable

CEP78 0.50118585 8.845496985 4.707402672 3.19E-05 0.003623095 1.90020713 stable

STK10 0.190429329 11.98925079 4.705618658 3.21E-05 0.003625752 1.894801446 stable

GNPTAB 0.458131714 11.3583131 4.691851418 3.35E-05 0.003766322 1.853103933 stable

PHF8 0.130487803 9.291575219 4.685319283 3.42E-05 0.003825312 1.833331054 stable

SPRED1 0.763234106 5.468454805 4.673835767 3.54E-05 0.003945548 1.798588097 stable

PDLIM1 -0.516310966 11.62576713 -4.665029178 3.64E-05 0.004035881 1.771959613 stable

KCTD10 0.492092012 9.354915165 4.658110174 3.72E-05 0.004104199 1.75104815 stable

GNGT2 0.734916422 7.391095085 4.655816518 3.74E-05 0.004114222 1.744117843 stable

PUS10 0.46363695 5.741386362 4.649056627 3.82E-05 0.004181947 1.723698172 stable

FBRS -0.21339198 9.139460982 -4.646429483 3.85E-05 0.004196673 1.715764523 stable

ZNF267 0.563073881 7.738538548 4.644886003 3.87E-05 0.004197395 1.711103977 stable

WDR7 0.199122217 9.437090358 4.630012176 4.06E-05 0.004371859 1.666214268 stable

APOBEC3F /// APOBEC3G 0.368937955 10.71853054 4.628803989 4.07E-05 0.004371859 1.66256967 stable

TFDP2 0.55845096 8.254084584 4.625782132 4.11E-05 0.004377106 1.65345514 stable

ZNF41 0.345263435 6.755429599 4.625485984 4.11E-05 0.004377106 1.652561986 stable

ASUN 0.186421005 10.17839073 4.619023611 4.20E-05 0.004430139 1.633076083 stable

C9orf69 0.314546409 9.527595291 4.617675412 4.21E-05 0.004430139 1.629011839 stable

CKAP5 0.186428877 9.614524324 4.617253107 4.22E-05 0.004430139 1.627738838 stable

GIMAP7 0.547664686 12.02525328 4.608981611 4.33E-05 0.004506032 1.602811734 stable

FCHSD2 -0.363899002 7.508793005 -4.608904608 4.33E-05 0.004506032 1.602579736 stable

MIR7111 /// RPL10A -0.377317991 4.736344236 -4.607210964 4.35E-05 0.004509787 1.59747732 stable

CSE1L 0.414877508 8.534998187 4.604402606 4.39E-05 0.004529246 1.58901779 stable

MSMO1 0.394738156 9.021897404 4.593402122 4.54E-05 0.004663022 1.55589546 stable

SNRPA -0.175947864 10.80675272 -4.592184572 4.56E-05 0.004663022 1.552230816 stable

ZNF649 0.639285477 6.388609078 4.587739183 4.62E-05 0.004707176 1.538853214 stable

MAP4K2 -0.251361258 8.684965779 -4.582963686 4.69E-05 0.00475668 1.524486342 stable

MCCC1 -0.19077767 8.980533851 -4.579440972 4.74E-05 0.00475794 1.51389117 stable

AKR1C3 1.467388885 8.939277233 4.578944399 4.75E-05 0.00475794 1.512397829 up

PRPF4B 0.143426351 10.95993488 4.578726346 4.75E-05 0.00475794 1.511742092 stable

NFKBIA -0.53331452 12.67461376 -4.577011573 4.78E-05 0.004762984 1.506585694 stable

RAB11A -0.226183581 12.9330416 -4.56669087 4.93E-05 0.004896746 1.475562685 stable

GPR132 0.485481774 7.177008014 4.535024528 5.44E-05 0.005361955 1.380504626 stable

CACNA2D2 0.719231933 7.342102314 4.534600305 5.45E-05 0.005361955 1.37923249 stable

ANKRD12 0.210329266 10.41553355 4.532671572 5.48E-05 0.005371505 1.373449163 stable

PIK3R3 0.913231254 4.044094851 4.53109501 5.51E-05 0.005374531 1.36872237 stable

RNF34 0.268663264 10.39930179 4.529800904 5.53E-05 0.005374531 1.364842792 stable

FEM1C 0.665392687 7.744890149 4.523721191 5.63E-05 0.005444311 1.346620946 stable

RNF4 0.208293245 11.7197739 4.522954317 5.65E-05 0.005444311 1.344323025 stable

GYLTL1B -0.415659554 7.382520385 -4.521279042 5.68E-05 0.00545019 1.339303509 stable

HSPE1-MOB4 /// MOB4 0.185537684 10.91447907 4.519841858 5.70E-05 0.005452158 1.334997812 stable

NCOA2 0.287059713 8.255545446 4.501410476 6.04E-05 0.005747662 1.279815324 stable

SRPK2 0.232838911 10.58047655 4.497862654 6.10E-05 0.005766167 1.269201193 stable

RPL36A -0.479040989 7.621699695 -4.497750892 6.10E-05 0.005766167 1.268866871 stable

LOC101928625 /// MED21 0.568790616 8.291990109 4.492605865 6.20E-05 0.005834875 1.253478977 stable

TRAF6 0.23574075 8.313532729 4.48344761 6.38E-05 0.005977902 1.226101538 stable

ZNF180 0.495140369 6.565199114 4.476610765 6.51E-05 0.006080842 1.205674859 stable

EXOSC3 0.348501777 6.187981228 4.473120168 6.59E-05 0.006122233 1.195249589 stable

ZBTB41 0.283733874 8.724890224 4.468100539 6.69E-05 0.006193058 1.180262022 stable

CIITA -0.434988021 9.236017354 -4.460629229 6.84E-05 0.006312195 1.157963931 stable

EED 0.185859171 10.51462252 4.456696093 6.93E-05 0.006364052 1.146230181 stable

ZNF564 0.328619364 7.786556998 4.452994097 7.01E-05 0.006390263 1.135188955 stable

MSANTD4 0.558801092 6.861821499 4.452828226 7.01E-05 0.006390263 1.134694311 stable

LINC00926 -0.843350673 10.06720423 -4.450700634 7.06E-05 0.006407362 1.128350129 stable

FEZ1 1.198251439 6.498797828 3.379924801 0.001667647 0.005107388 -1.905963764 up

BNC2 1.062550078 3.350146822 4.448691604 7.10E-05 0.006422256 1.122360357 up

EMC3-AS1 -0.304086024 7.100697452 -4.444755394 7.19E-05 0.006450797 1.110627312 stable

MAT2B 0.134195465 13.06804434 4.439319649 7.31E-05 0.006511706 1.094429845 stable

C1orf21 0.481199189 5.733927192 4.4392217 7.31E-05 0.006511706 1.094138034 stable

SBDS /// SBDSP1 -0.405832188 10.49748356 -4.435393856 7.40E-05 0.00656386 1.082735644 stable

LOC100130872 1.026588309 7.092308045 4.445448007 7.17E-05 0.006450797 1.112691614 up

MBD4 -0.216993339 12.03409884 -4.424455222 7.65E-05 0.006737215 1.050168855 stable

UNC50 0.161707591 10.51725826 4.420516406 7.74E-05 0.006793711 1.038448393 stable

GZMM 0.697210053 10.81186733 4.418217395 7.80E-05 0.006816375 1.031608931 stable

LAS1L -0.149998167 9.134787118 -4.413420908 7.91E-05 0.006891805 1.01734326 stable

FCRL1 -0.880038198 9.542659724 -4.409146878 8.02E-05 0.006953824 1.004635679 stable

C2orf88 -0.62214629 10.66225761 -4.408093888 8.04E-05 0.006953824 1.00150553 stable

ARF1 -0.511571898 8.503385446 -4.400487529 8.23E-05 0.007091829 0.978901828 stable

TSEN54 0.416497366 10.05288254 4.396566941 8.33E-05 0.007151367 0.967256019 stable

UTRN 0.281734147 11.13520747 4.387572167 8.56E-05 0.007324461 0.940550506 stable

WTAP -0.853037302 8.930542887 -4.379378048 8.78E-05 0.007477313 0.916237724 stable

TAF5 0.399029741 7.940553175 4.37846115 8.81E-05 0.007477313 0.913518121 stable

C16orf80 0.253578992 10.12970044 4.369664867 9.05E-05 0.007639443 0.887437102 stable

ZNF443 0.493132761 7.721087075 4.36863815 9.07E-05 0.007639443 0.88439401 stable

STARD3NL 0.290978568 10.85978196 4.367932461 9.09E-05 0.007639443 0.882302552 stable

KIR2DL2 1.081825027 8.44118278 4.432677386 7.46E-05 0.006593967 1.074645709 up

HMGA1P4 /// HMGA1P4 -0.214490253 5.529110997 -4.362983581 9.23E-05 0.007700971 0.867638654 stable

LOC101928963 -0.316894232 6.375890516 -4.352814659 9.52E-05 0.007916116 0.837524743 stable

STAM 0.182253416 8.67876229 4.349555669 9.62E-05 0.007967211 0.827878643 stable

GALNT3 0.499430855 8.801309858 4.347786658 9.67E-05 0.0079762 0.82264366 stable

C9orf40 0.62577568 5.348548138 4.346890358 9.70E-05 0.0079762 0.81999154 stable

GZMH 1.144283822 11.08631825 3.190175656 0.002819166 0.007046716 -2.400561032 up

BOK 1.254552485 3.994486324 3.165356812 0.003016562 0.007366883 -2.464047891 up

RAB21 0.128850981 10.90845674 4.333236861 0.000101116 0.008229552 0.779614053 stable

GTF2E1 0.240626515 9.353077714 4.327645699 0.000102856 0.008342355 0.763091701 stable

ZNF805 0.377015983 4.518754474 4.321175629 0.000104907 0.008479463 0.743981147 stable

FBXL3 0.217162528 11.23595527 4.314393453 0.0001071 0.008627066 0.723959198 stable

MAML1 0.141308657 10.35592697 4.310593513 0.000108348 0.008681271 0.712745936 stable

RBM14-RBM4 /// RBM4 0.152075333 11.78523456 4.310100838 0.000108511 0.008681271 0.711292347 stable

CD160 0.964918151 9.345217885 4.304083515 0.00011052 0.008766684 0.693543438 stable

MSN 0.1195952 14.39371719 4.303559536 0.000110697 0.008766684 0.691998294 stable

TES 0.229856298 11.30212679 4.303558402 0.000110697 0.008766684 0.691994948 stable

ZNF780A /// ZNF780B 0.367259832 7.515076962 4.291367829 0.000114885 0.009067854 0.656064944 stable

ZNF830 0.371066378 9.987899652 4.28894986 0.000115734 0.009071467 0.648942515 stable

PAM 0.498818211 9.927314399 4.288144419 0.000116019 0.009071467 0.646570299 stable

ZNF570 0.546164712 3.669512274 4.287947421 0.000116088 0.009071467 0.645990117 stable

NRF1 0.202303975 8.761029664 4.28520945 0.00011706 0.009117108 0.637927421 stable

SMNDC1 0.203065992 11.00490525 4.283336221 0.000117729 0.009138981 0.632412228 stable

SNORA72 -0.559427687 7.592550847 -4.28065843 0.000118693 0.009183459 0.624529689 stable

MIER3 0.362243128 3.407205752 4.276916729 0.000120052 0.009258161 0.61351823 stable

TRIM32 0.526237219 7.617201236 4.268319765 0.000123233 0.009472391 0.588230997 stable

LYPLAL1 -0.213963652 10.75793436 -4.263770519 0.000124949 0.009569866 0.574857019 stable

TRAPPC6B 0.154774437 8.955696265 4.262809628 0.000125314 0.009569866 0.572032814 stable

LBR 0.176753744 12.73301087 4.26158185 0.000125783 0.009574562 0.568424513 stable

NUP153 0.242726883 10.97643698 4.258448846 0.000126986 0.009634984 0.55921863 stable

KIAA1407 -0.394041535 6.950707325 -4.254659012 0.000128457 0.009715238 0.548085953 stable

KIF21A 0.753209062 7.474336636 4.248564963 0.000130857 0.009865031 0.530191992 stable

NDUFV2-AS1 -0.444277408 6.003181818 -4.24275774 0.000133185 0.010008445 0.513148736 stable

ZNF200 0.436276882 9.006554977 4.237389375 0.000135373 0.010121724 0.497400864 stable

UBQLN1 0.348324272 8.525398332 4.236951173 0.000135553 0.010121724 0.496115734 stable

CD200 -1.026101521 5.726553189 -4.36326059 9.23E-05 0.007700971 0.868459307 down

LOC101928954 -0.180253916 6.355474083 -4.231730039 0.000137718 0.010218465 0.48080718 stable

USP38 0.280850853 9.779044367 4.22909795 0.000138821 0.010267984 0.473092371 stable

LLGL2 0.276719664 6.086832015 4.219849257 0.00014277 0.010502155 0.44599763 stable

RUNX3 0.415537073 11.66855306 4.219593187 0.00014288 0.010502155 0.445247757 stable

IZUMO4 -0.219033454 6.530357092 -4.215045996 0.000144863 0.010614717 0.431934579 stable

LRRC8A 0.268983965 10.12963699 4.212226222 0.000146106 0.010672547 0.423681516 stable

TRIM11 0.251219024 9.402297588 4.210958773 0.000146668 0.010680436 0.419972535 stable

BD495725 0.439148228 7.54420587 4.19932145 0.000151929 0.011006304 0.38593683 stable

ZNF780A 0.490186944 7.922281499 4.198995221 0.000152079 0.011006304 0.384983203 stable

YPEL1 0.663486811 8.56036995 4.197130965 0.000152939 0.011025773 0.379534167 stable

TP53RK 0.452765851 8.704060492 4.195331658 0.000153775 0.011025773 0.374275808 stable

MSL2 0.258197388 10.60278739 4.195228747 0.000153822 0.011025773 0.373975084 stable

ZXDA 0.504062673 5.396117282 4.19436934 0.000154223 0.011025773 0.371463838 stable

SPIN4 0.433093593 8.148603856 4.189337932 0.000156589 0.01116097 0.356765512 stable

BATF 0.289871692 8.737891428 4.18554001 0.000158398 0.011248982 0.34567489 stable

BRD2 0.189709266 10.9593309 4.184743015 0.00015878 0.011248982 0.34334799 stable

CD37 -0.217072764 13.43090632 -4.18041155 0.000160873 0.011306708 0.330704748 stable

DLG5 1.176274404 6.447534305 4.340940112 9.88E-05 0.008094225 0.802389617 up

AP1G1 0.227748258 9.679788676 4.18007482 0.000161037 0.011306708 0.329722058 stable

SEPSECS 0.298771577 6.584236663 4.172973442 0.00016453 0.011517615 0.30900475 stable

MINPP1 0.41973867 8.529697499 4.166677417 0.00016769 0.011650044 0.290647901 stable

ZNF580 -0.232494707 10.25324678 -4.166275349 0.000167893 0.011650044 0.289475972 stable

GTF3C1 0.314562662 9.330668966 4.166246281 0.000167908 0.011650044 0.289391247 stable

REM2 -0.439120855 5.9173927 -4.163759211 0.000169174 0.011703347 0.282143012 stable

CASP8AP2 0.238750604 4.068026209 4.161792696 0.000170181 0.011738518 0.276413007 stable

SUCLA2 0.310358213 9.302748528 4.157669968 0.000172312 0.011850767 0.264403549 stable

TMEM2 0.406816331 9.706535054 4.155486515 0.000173452 0.011888098 0.258044981 stable

GSKIP 0.301501609 10.16432758 4.154695703 0.000173866 0.011888098 0.25574232 stable

TM9SF3 0.11573851 11.2646881 4.151369416 0.00017562 0.011973206 0.246058739 stable

SNHG19 -0.331316966 9.053388499 -4.146510936 0.000178213 0.01211485 0.231919843 stable

ZFYVE28 0.540585468 5.831204158 4.141038133 0.000181178 0.012280934 0.216000657 stable

ZBTB8OS -0.167616447 10.486234 -4.13650816 0.000183669 0.012370236 0.202829975 stable

SNAPC4 -0.229439453 7.485081172 -4.136018933 0.00018394 0.012370236 0.2014079 stable

GTF2B 0.285947164 10.46990946 4.135778312 0.000184073 0.012370236 0.200708489 stable

RIPK1 0.227549133 9.041079779 4.131615365 0.000186397 0.01249069 0.188610551 stable

CD300A 0.435039777 12.29574407 4.130125753 0.000187235 0.012511223 0.184282715 stable

PDIK1L 0.380359119 7.888148814 4.128663891 0.000188061 0.012530837 0.180036081 stable

POU6F1 -0.403755325 5.916703413 -4.126349855 0.000189376 0.012582827 0.173315094 stable

MICAL3 -0.526561492 7.548622574 -4.124577348 0.00019039 0.012607571 0.168167921 stable

C6orf141 0.013882423 2.88081638 4.12344708 0.000191039 0.012607571 0.164886182 stable

CNOT4 0.269605224 9.11931731 4.122894873 0.000191357 0.012607571 0.163282972 stable

GAPVD1 0.098557353 11.14146498 4.121881725 0.000191941 0.012610761 0.160341734 stable

DTHD1 0.716332867 3.265917695 4.118368822 0.000193982 0.012709318 0.150145681 stable

CNNM2 -0.26059916 5.26826204 -4.115207094 0.000195836 0.012753701 0.140971744 stable

PFN1 0.108775373 14.60223509 4.115206275 0.000195837 0.012753701 0.140969367 stable

FBXO34 0.204937212 10.17954115 4.114445035 0.000196286 0.012753701 0.13876099 stable

SACM1L 0.325539416 10.68241491 4.111666466 0.000197934 0.012793708 0.130701618 stable

TOX 0.513233414 9.0329224 4.111572722 0.000197989 0.012793708 0.130429747 stable

ZNF555 0.549689234 6.760356271 4.106468113 0.000201053 0.012956053 0.115629172 stable

SMYD5 -0.289517519 7.274019677 -4.105536585 0.000201617 0.012956897 0.112929015 stable

NGRN 0.262901491 10.93246032 4.103428807 0.000202898 0.012996621 0.106820214 stable

GIMAP1-GIMAP5 /// GIMAP5 0.567260506 6.462223458 4.102036187 0.00020375 0.012996621 0.102784763 stable

SFXN3 -0.662768213 8.386071374 -4.101803205 0.000203892 0.012996621 0.102109693 stable

MAP3K14 -0.160853695 8.320433234 -4.099219629 0.000205482 0.013062542 0.094624726 stable

MAPK1 0.364692125 10.12613877 4.098049397 0.000206206 0.013073231 0.091235006 stable

ABI3 0.434874846 10.10606296 4.095948148 0.000207512 0.013120675 0.085149423 stable

TRIP12 0.090001633 12.10540321 4.089420664 0.000211621 0.013301852 0.066252425 stable

NUP98 0.211544414 9.466924096 4.089043306 0.000211861 0.013301852 0.065160336 stable

RARRES3 0.338247998 12.12644875 4.088573193 0.000212161 0.013301852 0.063799865 stable

PPP3CB-AS1 -0.170742056 8.522602297 -4.087814019 0.000212645 0.013301852 0.061603004 stable

STK38L 0.493555973 8.252637555 4.086937724 0.000213205 0.013301852 0.059067419 stable

MFSD6 0.380735206 7.515477416 4.082335263 0.000216172 0.013451251 0.045753545 stable

DDX50 -0.46121095 6.117841912 -4.078897337 0.000218414 0.013535516 0.03581223 stable

ARL5B 0.255214994 8.680263685 4.078496263 0.000218677 0.013535516 0.034652674 stable

DUSP7 0.253249397 9.391323673 4.074217799 0.000221502 0.013674408 0.022285867 stable

SH2D1A 0.510306651 10.85247304 4.070565154 0.000223942 0.013774213 0.011732004 stable

ABCB1 0.570566892 8.482011842 4.070047756 0.00022429 0.013774213 0.010237348 stable

HIPK2 0.32898257 7.886492055 4.06912263 0.000224913 0.01377651 0.007565035 stable

NOL7 -0.142700321 11.48247347 -4.065372349 0.000227456 0.013876184 -0.003265549 stable

TLE4 0.141419162 11.27044257 4.064985661 0.00022772 0.013876184 -0.004382056 stable

RAC2 0.170873848 13.22354492 4.063185895 0.000228952 0.013915198 -0.009578079 stable

TMEM41A 0.26263561 7.984943573 4.059610763 0.000231418 0.014028846 -0.019896985 stable

CD22 -0.746863968 10.11119356 -4.057082382 0.000233178 0.014099191 -0.027192486 stable

CDC34 0.224351435 9.221731364 4.055247429 0.000234464 0.014135078 -0.032486013 stable

PVRIG 0.315790986 11.08300286 4.054521952 0.000234974 0.014135078 -0.034578631 stable

ZFX /// ZFY 0.460935978 7.79581024 4.049359504 0.000238635 0.014318692 -0.049465259 stable

SENP1 0.31329954 7.333614078 4.045224493 0.000241607 0.014444056 -0.061383693 stable

FBXO8 0.424986585 8.861650258 4.044747753 0.000241952 0.014444056 -0.062757499 stable

SNORA76C /// SNORD104 -0.335197399 10.57117867 -4.042913391 0.000243284 0.014486806 -0.068042921 stable

LOC284513 -0.346708652 6.843441946 -4.036420633 0.000248057 0.014733681 -0.086743072 stable

FAM8A1 0.214617632 10.48223224 4.029905457 0.000252937 0.014985716 -0.105495697 stable

SYTL2 0.624506766 7.698477422 4.028842905 0.000253742 0.014995623 -0.108552885 stable

DUSP11 0.239440726 10.24748297 4.02688967 0.000255228 0.01502767 -0.114171914 stable

KIR2DS2 1.467753482 8.036848733 4.333776921 0.000100949 0.008229552 0.781210361 up

CD82 -0.259479025 9.478101847 -4.025039894 0.000256642 0.015031398 -0.119492304 stable

BFAR 0.164455189 9.610027406 4.024320757 0.000257195 0.015031398 -0.121560444 stable

FANCF 0.453928468 9.034917483 4.023868665 0.000257542 0.015031398 -0.122860524 stable

APC 0.23386965 9.680693948 4.0227389 0.000258413 0.015039855 -0.126109128 stable

HIST1H2BJ -0.58101006 5.654503627 -4.022023667 0.000258966 0.015039855 -0.128165568 stable

HCP5 0.496877943 9.555292423 4.019621109 0.000260832 0.015110887 -0.13507233 stable

LINC00494 -1.081405826 4.980227777 -4.232662422 0.000137329 0.010218465 0.483540463 down

PI4K2A 0.300807685 7.950218873 4.016505372 0.00026327 0.015177407 -0.144026822 stable

FADD 0.522013075 8.675202971 4.013936079 0.000265298 0.01525691 -0.151408748 stable

PRKCH 0.387465373 11.38405918 4.012686195 0.00026629 0.015276603 -0.15499914 stable

ANKRD17 0.119432305 10.11845981 4.010740269 0.000267842 0.015328224 -0.160588069 stable

RNF165 0.618349594 3.946633479 4.003342979 0.00027382 0.015589488 -0.181823907 stable

ZNF600 0.494044132 10.45995325 4.002959077 0.000274134 0.015589488 -0.182925562 stable

MED23 0.248272582 10.31032769 4.002639798 0.000274395 0.015589488 -0.183841739 stable

ZNF567 0.388836853 7.425466775 3.998003817 0.000278216 0.015768466 -0.197141434 stable

ANKRD27 0.195965706 10.25747668 3.99686519 0.000279162 0.015784064 -0.200406965 stable

MFAP3 0.661025242 7.985556146 3.989917241 0.000285004 0.016075754 -0.220325113 stable

METRNL 0.607336734 10.46821486 3.988553853 0.000286165 0.016102587 -0.22423196 stable

C1orf228 -0.334971554 9.893018012 -3.980905854 0.000292759 0.016434351 -0.246137468 stable

IL18RAP 0.848629015 10.27513313 3.979462951 0.00029402 0.016449835 -0.250268312 stable

GIMAP8 0.450073449 11.6189911 3.978990476 0.000294434 0.016449835 -0.251620811 stable

RBM8A -0.554251019 7.489165162 -3.975676859 0.000297353 0.016573553 -0.261104464 stable

TIGD1 -0.372667471 8.084421443 -3.973785416 0.000299032 0.016627723 -0.266516356 stable

BANK1 -0.707106758 10.38433773 -3.969264671 0.000303082 0.016776065 -0.279447023 stable

MAN1A2 0.273096752 6.379117206 3.968494883 0.000303777 0.016776065 -0.281648237 stable

ZNF436 0.475263283 6.942532067 3.968425648 0.000303839 0.016776065 -0.281846208 stable

ZSWIM3 0.503114988 6.570167261 3.964813831 0.000307121 0.016917561 -0.292171782 stable

FCER2 -0.841884673 8.166227834 -3.962565999 0.000309181 0.016991237 -0.298595984 stable

HIST1H3A /// HIST1H3B /// HIST1H3C /// HIST1H3D /// HIST1H3E /// HIST1H3F /// HIST1H3G /// HIST1H3H /// HIST1H3I /// HIST1H3J -0.622985532 11.96543713 -3.960681762 0.000310918 0.017031794 -0.303979881 stable

CCDC142 0.369909435 5.796711525 3.959832344 0.000311704 0.017031794 -0.306406603 stable

RNF19A 0.27360057 7.947794701 3.959414858 0.000312091 0.017031794 -0.307599248 stable

PAWR -0.591946923 8.389603562 -3.957632371 0.00031375 0.017082644 -0.312690753 stable

ZNF174 0.352707813 5.687799766 3.956279034 0.000315014 0.017111885 -0.31655579 stable

KIR2DL1 1.13458115 7.535748035 4.180213855 0.000160969 0.011306708 0.330127805 up

CCDC186 0.242170205 7.496626408 3.948236937 0.000322632 0.017445094 -0.339512084 stable

CTBP2 0.555710547 11.0566657 3.939838981 0.000330777 0.017844512 -0.363463289 stable

B4GALT6 0.534388256 3.182333529 3.938592608 0.000332003 0.017869656 -0.367016153 stable

APTX 0.266293364 8.29343444 3.930324037 0.000340248 0.018271606 -0.390574235 stable

DEF8 -0.383904899 8.320362233 -3.927781593 0.000342822 0.018367941 -0.397813738 stable

AKAP13 0.206404906 10.20283791 3.92471971 0.000345948 0.018463976 -0.406529693 stable

PANK4 0.244453236 9.123349409 3.924175127 0.000346507 0.018463976 -0.408079602 stable

KLHL26 0.239783264 7.468281171 3.923725119 0.00034697 0.018463976 -0.409360276 stable

ZFX 0.272317658 8.991056153 3.913924806 0.000357192 0.01896504 -0.437235436 stable

HCST 0.192097868 12.23941906 3.911999774 0.000359234 0.01901815 -0.442707345 stable

AGBL5 -0.442027657 6.717979556 -3.911459203 0.000359809 0.01901815 -0.444243714 stable

OST4 -0.295249977 14.34670821 -3.910388263 0.000360952 0.01902296 -0.447287185 stable

S1PR1 0.41939668 9.918301472 3.909717716 0.000361669 0.01902296 -0.449192612 stable

SLAMF7 0.586024492 9.411498489 3.908376342 0.000363108 0.01902296 -0.453003844 stable

PEX12 0.692395813 6.412071661 3.908351084 0.000363135 0.01902296 -0.453075601 stable

PLAC8 0.206166177 13.17276834 3.904433033 0.000367371 0.019202062 -0.464204683 stable

PPP1R3D 0.74470151 8.000718824 3.902075297 0.000369943 0.019293609 -0.470899446 stable

IL10RA 0.24825384 12.51922403 3.899537901 0.00037273 0.019395965 -0.47810241 stable

TPP2 -0.60574023 4.589375383 -3.891807904 0.000381347 0.019800098 -0.500033333 stable

SNHG11 /// SNORA60 /// SNORA71E -0.266629081 6.646359273 -3.891070161 0.00038218 0.019800098 -0.502125418 stable

GPS2 -0.142920172 10.63631838 -3.889955055 0.000383441 0.0198218 -0.505287301 stable

NAB2 0.404892601 7.568345739 3.885390953 0.000388647 0.020046866 -0.518224742 stable

KIR2DS4 0.966443662 7.252420067 3.882497782 0.000391983 0.020094665 -0.526422351 stable

GADD45A -0.453123948 9.799704749 -3.882341378 0.000392164 0.020094665 -0.526865435 stable

BCL2L2 /// BCL2L2-PABPN1 /// PABPN1 -0.132860086 12.7227652 -3.881843822 0.000392741 0.020094665 -0.528274936 stable

CD244 0.400678399 9.559656558 3.881627812 0.000392991 0.020094665 -0.528886837 stable

DUSP10 0.47658148 8.089916858 3.880879566 0.000393861 0.02009543 -0.531006305 stable

ACRBP -0.482750761 12.6366395 -3.879343426 0.000395651 0.020122256 -0.535356999 stable

PLEKHM2 -0.200571674 8.733676849 -3.8789617 0.000396097 0.020122256 -0.536438016 stable

CA2 -0.560270938 12.48963625 -3.877485764 0.000397827 0.020166572 -0.540617316 stable

PEBP1 -0.201903622 10.76238272 -3.869640187 0.000407145 0.020594556 -0.562821458 stable

CSRNP2 0.302039374 7.680466151 3.864372866 0.00041352 0.020872114 -0.57771777 stable

ZRSR2 -0.15261693 10.30331282 -3.861771676 0.000416704 0.020987766 -0.585070834 stable

SLC9A3R1 0.257593127 11.46621278 3.858594648 0.000420624 0.021139965 -0.59404874 stable

AUTS2 0.723454832 10.31816392 3.857160271 0.000422406 0.021183715 -0.598101061 stable

MRFAP1L1 0.251160044 11.97959066 3.856446043 0.000423296 0.021183715 -0.600118611 stable

CHMP3 /// RNF103 /// RNF103-CHMP3 -0.129033657 10.50742586 -3.853270581 0.000427275 0.021333551 -0.609086672 stable

SPINT2 -0.240552594 10.58629557 -3.85215416 0.000428682 0.021333551 -0.61223887 stable

ATAT1 -0.224003193 4.073673604 -3.851893851 0.000429011 0.021333551 -0.612973791 stable

RP4-635E18.8 -0.412044589 10.0007664 -3.849594715 0.000431926 0.021433183 -0.619463908 stable

HIST1H2BD -0.571541416 10.27737958 -3.84581887 0.000436755 0.021627166 -0.63011886 stable

INO80B /// INO80B-WBP1 /// WBP1 -0.15252381 9.151211068 -3.844780203 0.000438092 0.021647818 -0.633049038 stable

SIGLEC17P 0.978932813 7.367562472 3.840738928 0.000443334 0.021860899 -0.644446537 stable

CDCA7L -0.538732025 10.28954996 -3.839637144 0.000444773 0.021886 -0.647552953 stable

CITED4 -0.354028531 7.328935764 -3.835739097 0.000449903 0.022092189 -0.6585401 stable

CDK17 0.267448491 8.656440077 3.833288964 0.000453156 0.022205589 -0.665443588 stable

COTL1 -0.611630539 7.188072423 -3.831982469 0.0004549 0.022244714 -0.669123964 stable

SMEK2 -0.49768675 5.982280487 -3.830870365 0.00045639 0.022271262 -0.672256307 stable

BC034636 /// CTB-113P19.4 0.020304197 3.013779092 3.826604501 0.000462148 0.022464225 -0.684267761 stable

ASTE1 0.447870086 8.303451878 3.825987821 0.000462987 0.022464225 -0.686003664 stable

ZNF468 0.361673916 9.089691917 3.824648076 0.000464813 0.022464225 -0.689774505 stable

UBAP2L -0.168866869 9.497747066 -3.824510608 0.000465001 0.022464225 -0.69016139 stable

HENMT1 0.365170469 9.243799861 3.824423639 0.00046512 0.022464225 -0.690406148 stable

HIST1H2BH -0.684420575 9.711721972 -3.821973994 0.000468479 0.022580107 -0.697299209 stable

MAFK 0.172529438 5.154713861 3.820777673 0.000470128 0.022613254 -0.700664826 stable

NAA30 0.452897213 8.092877627 3.819841634 0.000471422 0.022629231 -0.703297862 stable

CPNE5 -0.591016222 10.30647413 -3.818887817 0.000472745 0.02264649 -0.705980608 stable

GIMAP2 0.225046117 12.57414544 3.817227412 0.000475055 0.022667596 -0.710650027 stable

C12orf42 -0.288154412 3.522854431 -3.817186213 0.000475113 0.022667596 -0.710765876 stable

PROX2 0.011315528 2.629205543 3.816127486 0.000476592 0.022692139 -0.713742756 stable

HAVCR2 0.613403878 8.021828206 3.81455209 0.000478801 0.022751274 -0.718171699 stable

TOMM40 -0.135801157 8.980555214 -3.812659488 0.000481468 0.022831889 -0.723491329 stable

GIMAP1 0.26308424 9.864122379 3.811058953 0.000483735 0.02289323 -0.727989112 stable

SVIP -0.375465825 9.642963317 -3.80942946 0.000486054 0.022956764 -0.732567402 stable

EPC2 0.196025167 9.445710691 3.801277372 0.000497815 0.023465154 -0.755458647 stable

SMKR1 0.700859024 5.142353295 3.800170631 0.000499433 0.023494331 -0.7585647 stable

SMARCAD1 0.175010853 9.631848004 3.798115926 0.00050245 0.023556622 -0.764330124 stable

ABHD17A 0.284387907 12.42826728 3.797905436 0.00050276 0.023556622 -0.764920672 stable

ZNF319 0.227577266 7.782617372 3.792600097 0.000510637 0.023873577 -0.779800374 stable

HIST1H2BC /// HIST1H2BE /// HIST1H2BF /// HIST1H2BG /// HIST1H2BI -0.663753684 9.173815106 -3.791987135 0.000511555 0.023873577 -0.781518925 stable

ZNF764 0.330287933 6.131832814 3.786287296 0.000520166 0.024226595 -0.797493424 stable

PHAX 0.25759833 7.641762244 3.785622296 0.000521179 0.024226595 -0.79935646 stable

RP11-796E2.4 -0.393044199 7.057912015 -3.781009919 0.000528263 0.02446267 -0.812274217 stable

DCP2 0.151439732 11.52240852 3.780170891 0.000529562 0.02446267 -0.814623291 stable

AMMECR1L 0.273228778 9.148816507 3.779643273 0.00053038 0.02446267 -0.816100371 stable

KCNH8 -0.890566334 3.706496917 -3.779618597 0.000530418 0.02446267 -0.816169448 stable

LOC100506473 /// RP11-332H14.2 -0.376657713 5.584863331 -3.777203321 0.000534179 0.024587926 -0.822929862 stable

SNX5 0.256792504 10.61240422 3.772973317 0.000540829 0.024845381 -0.834765 stable

RARA 1.059365619 7.025030534 2.881212285 0.006430959 0.011835883 -3.16933427 up

PPP1R10 0.318758106 6.886366926 3.768985621 0.000547171 0.025038919 -0.845916645 stable

BHLHE40 0.517433968 8.319316457 3.768054896 0.000548661 0.025054309 -0.848518655 stable

LOC101930306 /// RRN3 /// RRN3P1 /// RRN3P2 -0.557240237 7.60328569 -3.767446681 0.000549637 0.025054309 -0.850218873 stable

NCAM1 0.807666558 4.89270892 3.766433052 0.000551268 0.025068154 -0.853052111 stable

ABCC1 -0.156099371 10.32865512 -3.765933864 0.000552073 0.025068154 -0.854447287 stable

TIGIT 0.55742592 8.508895805 3.765251208 0.000553175 0.025069811 -0.856355098 stable

LOC286087 1.226090366 5.177232296 2.772986989 0.008501776 0.013819645 -3.426843302 up

HIST1H2BK -0.409043527 12.33021738 -3.761297805 0.000559601 0.025263676 -0.867400514 stable

MRTO4 -0.225213715 8.338336786 -3.759904521 0.000561883 0.025318095 -0.871291943 stable

ABCB4 -0.535862273 2.787476749 -3.758690631 0.000563878 0.025359423 -0.874681789 stable

SF3A2 -0.18646582 9.466565827 -3.757317977 0.000566143 0.025412678 -0.878514385 stable

NOTCH1 0.151873451 9.736919288 3.750396208 0.000577697 0.025881915 -0.897830897 stable

TTC32 -0.281854829 10.25432427 -3.748536431 0.00058084 0.025973257 -0.903018162 stable

TOMM70A 0.184746174 9.662418924 3.747732451 0.000582204 0.025984844 -0.905260245 stable

HYLS1 0.625424096 8.143958065 3.746676162 0.000584 0.026015662 -0.908205615 stable

RASGEF1A 0.655945092 7.591741782 3.741941831 0.000592119 0.026327451 -0.921402166 stable

ZNF276 0.300864419 9.255359001 3.741105736 0.000593564 0.026341906 -0.923731909 stable

DTX4 -0.430335821 8.393950295 -3.740226771 0.000595086 0.02635975 -0.92618085 stable

MON1B 0.217853678 9.181439428 3.737187727 0.000600381 0.026544272 -0.934646067 stable

USP6NL /// USP6NL-IT1 -0.345210737 7.253678859 -3.735232852 0.00060381 0.026569645 -0.940089662 stable

LOC644656 -0.403609642 4.11527382 -3.734952081 0.000604304 0.026569645 -0.940871394 stable

FSD1 0.325930846 3.651903492 3.734929898 0.000604343 0.026569645 -0.940933156 stable

SMARCB1 -0.210750346 9.603785896 -3.732039497 0.000609453 0.026744308 -0.948979116 stable

HSPA13 0.345030075 9.457426366 3.731174045 0.000610991 0.026761876 -0.951387697 stable

EIF5 0.141785538 11.37607828 3.729765807 0.000613502 0.026821903 -0.955306312 stable

ASH1L-AS1 -0.311180277 7.828311301 -3.728348792 0.000616039 0.02688283 -0.95924866 stable

PTGER2 0.355685357 10.76874004 3.723279473 0.000625196 0.027231925 -0.973346545 stable

LOC155060 /// ZNF783 -0.151264798 5.673840133 -3.718725173 0.000633535 0.027544152 -0.98600452 stable

ARHGEF9 0.324962674 7.182693399 3.716370602 0.000637889 0.027682256 -0.99254585 stable

TCEANC 0.439273602 5.247109999 3.715606241 0.000639308 0.027692761 -0.994668936 stable

PPP1CC -0.088526511 12.8809117 -3.713765049 0.00064274 0.027790232 -0.999782181 stable

LYRM9 -0.585908992 6.631791051 -3.710572586 0.000648732 0.027980116 -1.008645283 stable

NANP 0.83363598 6.473895268 3.709827923 0.000650138 0.027980116 -1.010712144 stable

PTPN22 0.226124974 10.53616208 3.709530365 0.0006507 0.027980116 -1.011537982 stable

ZKSCAN4 0.462361687 7.734781514 3.704943231 0.000659431 0.028259442 -1.024265108 stable

ACAP3 -0.229694339 8.818099824 -3.704855305 0.000659599 0.028259442 -1.024508989 stable

CHIC2 0.235680592 10.47256446 3.701269604 0.000666504 0.028440846 -1.034452343 stable

IMPA1 0.275901295 10.07332447 3.700794035 0.000667425 0.028440846 -1.035770781 stable

ACTN4 0.190558482 10.96089948 3.700577439 0.000667845 0.028440846 -1.036371234 stable

CUTC -0.143958973 9.438278543 -3.699526096 0.000669887 0.028440846 -1.039285552 stable

ZNRD1 0.239709891 9.967546657 3.698521498 0.000671843 0.028440846 -1.042069927 stable

CCND2 0.439548782 7.703032008 3.697918954 0.000673019 0.028440846 -1.043739786 stable

SEC22A 0.184287855 7.171817166 3.697846176 0.000673161 0.028440846 -1.043941472 stable

FLJ12120 0.944329642 5.423694264 3.697401637 0.000674031 0.028440846 -1.045173348 stable

APOBEC3G 0.341815388 12.16603871 3.696422857 0.000675948 0.028440846 -1.047885437 stable

C1orf174 0.220093697 10.12024681 3.69630418 0.000676181 0.028440846 -1.048214253 stable

BLK -0.938193463 8.345884393 -3.695818825 0.000677134 0.028440846 -1.049558971 stable

SPRED3 -0.18550437 8.198836299 -3.694663897 0.000679407 0.02848546 -1.052758462 stable

XCL1 /// XCL2 0.930152858 9.680039607 3.690918995 0.000686829 0.028745401 -1.063129692 stable

COG8 /// PDF -0.153796513 9.054019214 -3.687552795 0.000693568 0.028975851 -1.072447887 stable

LCMT2 0.531052192 7.256436929 3.68556855 0.000697569 0.029027808 -1.077938715 stable

RBM15 0.156362844 9.482954793 3.685289893 0.000698133 0.029027808 -1.078709707 stable

TBC1D22B 0.359424691 4.82953927 3.684576233 0.000699579 0.029027808 -1.080684142 stable

GCC1 0.32411098 8.545444489 3.684493017 0.000699748 0.029027808 -1.080914358 stable

KLHL21 0.207582501 7.700398959 3.682918609 0.000702948 0.029078142 -1.085269479 stable

RPL17 /// RPL17-C18orf32 /// SNORD58A /// SNORD58B /// SNORD58C -0.629709225 8.708228065 -3.682680528 0.000703434 0.029078142 -1.08592798 stable

HIST1H2BE -0.500748704 9.750881443 -3.67981992 0.000709289 0.029268755 -1.093838479 stable

MXI1 -0.183675318 10.92302899 -3.67637939 0.000716394 0.029510165 -1.10334877 stable

ZFYVE20 -0.413804775 6.499897906 -3.674914688 0.00071944 0.029583807 -1.107396205 stable

G2E3 0.160125835 8.045594382 3.674278031 0.000720767 0.029586676 -1.10915525 stable

TDG 0.169886691 10.72486716 3.671891412 0.000725765 0.029739938 -1.115748042 stable

HVCN1 -0.281437752 11.10157663 -3.666596142 0.000736974 0.030042568 -1.130368381 stable

LOC100505564 -0.619053228 5.647850163 -3.666572259 0.000737025 0.030042568 -1.130434298 stable

SSBP1 -0.572429598 6.27896695 -3.665914061 0.00073843 0.030042568 -1.132250886 stable

GATA3 0.441730352 8.239136776 3.665885056 0.000738492 0.030042568 -1.132330933 stable

SLC15A4 0.296284796 10.5475483 3.665396444 0.000739537 0.030042568 -1.133679366 stable

MRFAP1 0.109891187 13.79456924 3.664594276 0.000741255 0.030060453 -1.135892941 stable

RLIM 0.292990399 7.896096511 3.663395874 0.000743829 0.030112926 -1.139199485 stable

JAKMIP2 0.618392931 6.505054062 3.661958142 0.000746929 0.030186455 -1.143165689 stable

IVNS1ABP 0.284527908 10.66035945 3.661151771 0.000748673 0.030205036 -1.14538986 stable

SYT11 0.460385969 7.593283838 3.660343317 0.000750425 0.030223893 -1.147619541 stable

VPS37A 0.256883327 9.048510297 3.659035757 0.000753268 0.030260923 -1.151225234 stable

MIR6516 /// SCARNA16 /// SNHG20 -0.386755037 5.520571962 -3.658737474 0.000753918 0.030260923 -1.152047684 stable

B4GALT4 0.335517907 7.650339321 3.655891978 0.000760145 0.03043101 -1.159891906 stable

H2BFS -0.513049729 11.20549271 -3.65561993 0.000760743 0.03043101 -1.16064171 stable

ZNF526 0.45195624 6.61787435 3.654566279 0.000763063 0.030458723 -1.163545479 stable

THAP2 0.320728575 3.160177594 3.654130047 0.000764026 0.030458723 -1.164747578 stable

CLIC4 -0.362546986 8.848540947 -3.651972977 0.000768803 0.030597303 -1.170690669 stable

SPRTN 0.370781049 5.883196038 3.65090751 0.000771173 0.030639789 -1.173625587 stable

CUL3 0.265542742 9.027744376 3.64799318 0.000777692 0.030846695 -1.181651247 stable

ZNF260 0.301263029 8.305624134 3.644165802 0.000786334 0.031136976 -1.192186618 stable

MKLN1 0.148332575 8.415275669 3.640185668 0.000795419 0.031443796 -1.203136798 stable

CRNKL1 0.531717905 8.672245187 3.63313613 0.00081176 0.032035916 -1.222517328 stable

C22orf46 -0.162252278 6.069955108 -3.630037548 0.000819044 0.032269246 -1.231030155 stable

DEXI 0.242701468 8.520542766 3.626223384 0.000828097 0.032557722 -1.241504073 stable

TERF2IP 0.151836747 11.41370162 3.625231518 0.000830467 0.032557722 -1.244226917 stable

COX20 -0.311802672 9.091417443 -3.625209981 0.000830519 0.032557722 -1.244286036 stable

NDEL1 0.183032632 10.69910623 3.623395349 0.000834872 0.032649952 -1.24926656 stable

IRF1 0.299161008 11.67485275 3.623072881 0.000835648 0.032649952 -1.250151494 stable

KIR2DL5A 1.167178313 7.575160238 4.026451834 0.000255562 0.01502767 -0.115431321 up

EPHB6 -0.304895092 8.591178652 -3.620907299 0.000840876 0.032688363 -1.256093403 stable

C11orf80 -0.243642223 6.214255763 -3.620826887 0.000841071 0.032688363 -1.256314004 stable

ADAM19 -0.383643193 9.558694402 -3.620365226 0.00084219 0.032688363 -1.257580469 stable

KIR3DS1 1.924340796 6.738243937 4.017696878 0.000262335 0.01516065 -0.140602819 up

ZNF823 0.402993205 5.944467323 3.617700256 0.000848677 0.032831795 -1.264889681 stable

WDR61 -0.497537194 7.192912166 -3.616134041 0.000852512 0.032925998 -1.269184111 stable

CD19 -0.799647746 9.727732867 -3.614326977 0.000856957 0.033043431 -1.274137799 stable

ELF1 0.142954927 11.79849209 3.613483974 0.000859039 0.033048482 -1.2764483 stable

STRIP1 0.137351004 8.856494983 3.61313636 0.000859898 0.033048482 -1.277400964 stable

LOC101926967 -0.369378252 7.012761082 -3.612026525 0.000862649 0.0331001 -1.280442253 stable

PDZD4 0.562596617 7.615305865 3.608416987 0.000871652 0.033391101 -1.290330328 stable

ZNF230 0.218274505 3.283061815 3.602489828 0.000886634 0.033909775 -1.306556832 stable

TRAPPC1 -0.21031911 12.16158329 -3.601364306 0.000889506 0.033964417 -1.30963664 stable

YRDC -0.280906058 8.802434607 -3.599510563 0.000894257 0.034090481 -1.314708072 stable

TARBP1 -0.25520331 9.638165212 -3.598774346 0.000896151 0.034107389 -1.316721843 stable

MRC2 -0.143165355 8.140623893 -3.59616659 0.000902889 0.034308338 -1.323853191 stable

MSH6 0.16126788 9.635803648 3.595498188 0.000904624 0.034318822 -1.325680638 stable

FAM179B 0.313067355 8.259072738 3.592579282 0.000912239 0.034551959 -1.33365912 stable

BC022568 /// CTC-265F19.1 -0.742424209 6.029543861 -3.590155121 0.000918609 0.034737314 -1.340282843 stable

SEMA4B -0.380846156 9.471226903 -3.588848202 0.000922062 0.034761613 -1.34385292 stable

ZNF581 -0.197281082 9.563199596 -3.588792992 0.000922208 0.034761613 -1.344003722 stable

FANCM 0.240803672 3.306687071 3.588150068 0.000923911 0.03477009 -1.345759733 stable

EIF4A1 /// SNORA48 /// SNORA67 /// SNORD10 -0.571134555 10.73227625 -3.586944964 0.000927111 0.034834802 -1.349050799 stable

CTSW 0.623692678 11.83345003 3.585489105 0.000930992 0.034924825 -1.353025931 stable

ARL6 0.324705798 3.445144676 3.584803232 0.000932826 0.03493789 -1.354898385 stable

APOBEC3C 0.19499266 10.87078646 3.581942274 0.000940512 0.035119729 -1.362706981 stable

MED6 -0.585920166 8.762297235 -3.581884828 0.000940667 0.035119729 -1.362863741 stable

HSPH1 0.238809238 10.41479775 3.576959125 0.000954046 0.035562768 -1.376300414 stable

BCDIN3D 0.550975794 6.450999962 3.575285667 0.000958632 0.035677201 -1.380863297 stable

IGFBP7 0.71526716 9.836154437 3.574003982 0.00096216 0.035751906 -1.384357245 stable

KCMF1 -0.101464264 11.46759619 -3.573447442 0.000963695 0.035752482 -1.385874211 stable

XRN1 0.294824396 8.011512772 3.566331119 0.000983538 0.03643119 -1.405260854 stable

CNEP1R1 0.215375336 10.15141882 3.565383772 0.000986209 0.036472691 -1.407840208 stable

IL12RB2 0.886344374 6.708345094 3.559389744 0.001003272 0.036990963 -1.424152284 stable

RP11-140I16.3 0.313770316 5.425576144 3.559356043 0.001003369 0.036990963 -1.424243958 stable

TRDV3 0.654330848 12.11543937 3.558260357 0.001006518 0.037049015 -1.427224244 stable

DCAF17 0.220898324 7.601302716 3.556890545 0.00101047 0.03709656 -1.430949511 stable

CDC5L 0.170101703 10.07132061 3.556719361 0.001010964 0.03709656 -1.431415005 stable

FKBP3 -0.134088643 10.90199919 -3.556083483 0.001012805 0.037106194 -1.433144018 stable

CASD1 0.221118369 9.715284816 3.555524274 0.001014425 0.037107779 -1.434664433 stable

SLA 0.266775349 11.64325904 3.554298208 0.001017988 0.037180274 -1.437997523 stable

IL1A -0.436350742 7.812903141 -3.552953809 0.001021908 0.037251981 -1.441651641 stable

KIAA0125 -0.909643783 7.461346123 -3.552539636 0.001023119 0.037251981 -1.442777235 stable

TBC1D20 0.143760852 9.727611097 3.551324695 0.001026678 0.037323798 -1.446078692 stable

ELF2 0.169745193 9.750153905 3.549655819 0.001031587 0.037444367 -1.450612735 stable

CHMP3 /// RNF103-CHMP3 -0.155814273 10.38571448 -3.548134125 0.001036082 0.037549588 -1.454745976 stable

RUNDC1 0.323678557 9.201194161 3.547342862 0.001038427 0.037576673 -1.456894861 stable

HIST1H2AC -0.44839662 13.24110208 -3.546801648 0.001040034 0.037577007 -1.458364532 stable

FNIP1 -0.306329134 3.484048511 -3.544851674 0.001045843 0.037728941 -1.463658766 stable

HOOK2 -0.09662359 6.899642401 -3.538579344 0.001064741 0.038351874 -1.48067835 stable

CDK14 -0.371551848 8.958068158 -3.537470649 0.001068115 0.038414591 -1.483685144 stable

TECPR1 -0.193413777 10.53639853 -3.532919797 0.001082074 0.0388572 -1.496022106 stable

GABBR1 -0.452922106 9.682493117 -3.531838498 0.001085416 0.038917806 -1.498952232 stable

ASAP1 -0.24134529 10.55368338 -3.529166262 0.001093719 0.039155806 -1.506191555 stable

C8orf76 0.277924126 7.029420169 3.526903764 0.001100796 0.039349281 -1.51231869 stable

TCL1A -0.721735318 10.95528371 -3.525207839 0.00110613 0.039479941 -1.516910164 stable

QSOX2 -0.306460626 9.247323012 -3.521491127 0.001117906 0.039803825 -1.526968698 stable

UBR1 0.23382696 10.29187671 3.52118171 0.001118892 0.039803825 -1.527805832 stable

CD97 0.203914564 11.88776708 3.520746041 0.001120281 0.039803825 -1.528984474 stable

TMEM68 0.384221841 6.553083527 3.518905892 0.001126168 0.039952633 -1.533961934 stable

ITGAL 0.238261433 13.11024723 3.515344381 0.001137646 0.040299053 -1.543591772 stable

PTP4A1 -0.223229174 9.854744073 -3.513329119 0.00114419 0.040421993 -1.54903856 stable

STRAP -0.577381574 2.906174696 -3.51321759 0.001144554 0.040421993 -1.549339951 stable

CRIP3 -0.3773295 5.002149737 -3.511147218 0.001151317 0.040599884 -1.554933935 stable

NUP35 0.216005777 9.199166543 3.507148799 0.001164487 0.041002838 -1.565732578 stable

GPR18 0.617848911 10.07522202 3.506436261 0.001166849 0.041024596 -1.567656289 stable

FCF1 -0.258206503 8.423511202 -3.505274172 0.001170711 0.041098954 -1.570793268 stable

HCFC2 0.178577183 8.262173087 3.504429453 0.001173526 0.041136385 -1.573073192 stable

RNF111 0.10622806 10.19544891 3.503098219 0.001177976 0.041230918 -1.576665666 stable

LOC100287497 -0.519637549 7.741919243 -3.501320951 0.001183942 0.04133383 -1.581460721 stable

SLC50A1 -0.238909019 9.045572026 -3.501009312 0.001184991 0.04133383 -1.582301389 stable

SNX3 -0.126758242 12.70138743 -3.500653994 0.001186188 0.04133383 -1.583259841 stable

TOMM20 -0.134911657 11.86969814 -3.496976358 0.001198648 0.041671026 -1.593177127 stable

PPP1R18 0.178868983 12.67068042 3.496753155 0.001199408 0.041671026 -1.593778855 stable

ARFGEF1 0.109477564 9.441734321 3.492695509 0.00121331 0.042091829 -1.604714313 stable

RHOC 0.33815373 9.785167888 3.489182699 0.001225469 0.042344776 -1.614176141 stable

LNX2 0.304912569 7.919178633 3.488865555 0.001226573 0.042344776 -1.615030132 stable

NHLRC3 0.222397779 9.73362673 3.488526548 0.001227754 0.042344776 -1.615942953 stable

CHORDC1 0.199902235 10.42032106 3.488205477 0.001228873 0.042344776 -1.616807434 stable

NT5C3A -0.391403787 12.21807506 -3.487855212 0.001230095 0.042344776 -1.617750475 stable

PDGFC -0.405944726 9.098519491 -3.487480672 0.001231403 0.042344776 -1.618758819 stable

EXO5 0.193811032 5.168403364 3.482419164 0.001249211 0.042763861 -1.632380017 stable

RMDN3 0.280049753 9.02722966 3.481842769 0.001251255 0.042763861 -1.633930526 stable

EFR3A 0.175634923 10.9189863 3.481671226 0.001251864 0.042763861 -1.634391952 stable

NCOA1 0.130703589 10.15492021 3.481661719 0.001251897 0.042763861 -1.634417523 stable

DPY19L4 -0.283340206 6.007156745 -3.481441171 0.001252681 0.042763861 -1.635010749 stable

CISH 0.431414643 9.999725278 3.480186661 0.001257144 0.042839417 -1.638384729 stable

M6PR 0.164234597 11.53281859 3.479796279 0.001258536 0.042839417 -1.639434528 stable

PLEKHA3 0.165980797 8.943583924 3.479143985 0.001260866 0.042856688 -1.64118851 stable

RP1-39G22.7 -0.211080149 7.502883349 -3.477589542 0.001266434 0.042983825 -1.645367634 stable

PIGA -0.210911108 8.590926594 -3.472668048 0.001284218 0.043524634 -1.658592692 stable

BTBD10 0.345532326 8.49726964 3.471643578 0.00128795 0.043588312 -1.661344428 stable

EXOC5 0.110816419 9.894250721 3.470028817 0.001293854 0.04372519 -1.665680835 stable

IGHV5-78 -0.346420727 4.271232005 -3.468629243 0.001298991 0.043835836 -1.669438514 stable

DENND2D 0.339455819 12.03398327 3.46640374 0.001307201 0.044049691 -1.675412082 stable

LGALS12 -0.395823904 7.981570624 -3.465589775 0.001310217 0.044088132 -1.677596383 stable

CAPS -0.251508345 9.213853489 -3.464322506 0.001314924 0.044183331 -1.680996607 stable

GNG11 -0.444609309 13.22108305 -3.463005786 0.001319833 0.044223744 -1.684528826 stable

VANGL1 0.557454145 5.761402312 3.462991159 0.001319887 0.044223744 -1.68456806 stable

RP11-410L14.2 -0.275533331 7.057753152 -3.461647693 0.001324914 0.044297187 -1.688171299 stable

LAMC1 -0.366471007 6.76380144 -3.461399099 0.001325846 0.044297187 -1.688837958 stable

NCK2 -0.313614109 12.28401503 -3.457610126 0.001340131 0.044710938 -1.698995845 stable

EBLN3 -0.1824115 10.73068384 -3.456864285 0.00134296 0.044724132 -1.700994691 stable

ARCN1 0.138243294 12.15574905 3.45633708 0.001344963 0.044724132 -1.70240746 stable

NRD1 -0.104180015 11.55067557 -3.455958655 0.001346403 0.044724132 -1.703421467 stable

LOC101929177 -0.171206486 7.558034415 -3.455504692 0.001348132 0.044724132 -1.704637806 stable

CNOT6 0.154755728 10.3176373 3.454681277 0.001351274 0.044765218 -1.706843834 stable

TCRDV2 /// TRDC /// TRDC /// YME1L1 0.579600076 11.86167145 3.451848311 0.001362136 0.04496116 -1.714431588 stable

HIST1H1C -0.390522015 8.363920463 -3.451675424 0.001362802 0.04496116 -1.714894539 stable

RASGRP3 -0.590839208 7.828176934 -3.451643985 0.001362923 0.04496116 -1.714978725 stable

LINC-PINT -0.349990883 9.14943029 -3.450906435 0.001365766 0.044991854 -1.716953566 stable

CDC42EP2 0.923564668 7.488960951 3.449752543 0.001370226 0.045075638 -1.72004275 stable

PIP4K2C 0.223947965 9.196910005 3.448699853 0.001374307 0.045122747 -1.722860524 stable

WDR47 0.261789715 9.415423329 3.448139424 0.001376484 0.045122747 -1.724360461 stable

MAP3K7CL -0.468095885 12.78584704 -3.44790048 0.001377413 0.045122747 -1.724999932 stable

VPRBP -0.425128769 6.856025023 -3.444879771 0.001389213 0.04538896 -1.733082087 stable

SRP54 0.145036412 10.18666432 3.444832385 0.001389399 0.04538896 -1.733208842 stable

APOL6 0.306145921 9.454036737 3.442224603 0.001399665 0.045641479 -1.740183132 stable

PUM2 0.145067205 12.20431593 3.441884383 0.00140101 0.045641479 -1.741092814 stable

CLIC3 1.258797277 9.753985487 3.953870194 0.000317277 0.017195108 -0.32343391 up

SP3 0.23212973 11.39212318 3.438119891 0.001415971 0.045943894 -1.751155203 stable

TNFRSF1A 0.39957667 11.21241618 3.438074521 0.001416153 0.045943894 -1.751276439 stable

ANP32A -0.135829424 11.16500815 -3.431956622 0.001440797 0.046679058 -1.767616924 stable

KLHL9 0.241102914 8.538277118 3.431336808 0.001443317 0.046696368 -1.769271547 stable

ADK -0.318292652 10.22464075 -3.430516655 0.001446657 0.046720269 -1.771460744 stable

SMARCA5 0.108969838 10.57552633 3.43001065 0.001448722 0.046720269 -1.77281126 stable

SBK1 0.36362956 9.189587586 3.429694208 0.001450015 0.046720269 -1.773655784 stable

NUP50 0.161035395 11.28167008 3.428680323 0.001454164 0.046734514 -1.776361375 stable

PGRMC1 -0.442008299 11.86492271 -3.428615171 0.001454431 0.046734514 -1.776535219 stable

GOLGA8N 0.317187517 12.62719036 3.425225933 0.001468385 0.047090959 -1.785576365 stable

VEZF1 0.155885817 10.81702943 3.424949751 0.001469528 0.047090959 -1.786312899 stable

LINC01215 -0.387540815 9.971782549 -3.423842777 0.001474117 0.047173737 -1.789264718 stable

ZNF708 0.296133493 8.047284884 3.420619438 0.001487557 0.047430832 -1.797857076 stable

KIR2DS5 1.110463832 8.03647432 3.771440117 0.000543259 0.02490836 -0.83905325 up

ZNF383 0.31095453 6.970886099 3.420465855 0.0014882 0.047430832 -1.798266371 stable

TBXA2R -0.389549887 7.559843501 -3.41912324 0.001493835 0.047546003 -1.801843986 stable

LOC102724483 /// PIGL -0.210103143 6.727416844 -3.416051313 0.001506805 0.047894006 -1.810026832 stable

TSPAN33 -0.490754148 10.8461519 -3.415548403 0.001508939 0.047897097 -1.811366088 stable

STK38 0.225680286 11.3205944 3.413942185 0.001515772 0.047995654 -1.81564276 stable

B3GAT1 0.8748091 5.585728869 3.413230662 0.001518809 0.047995654 -1.817536901 stable

ZNF250 0.306234347 3.378603827 3.413073807 0.001519479 0.047995654 -1.817954434 stable

TFIP11 0.274780976 8.889210253 3.41290385 0.001520206 0.047995654 -1.818406834 stable

APOL1 0.316639069 8.308461852 3.406647238 0.001547183 0.048744355 -1.835052609 stable

MED11 0.218517067 8.902406524 3.406142745 0.001549379 0.048744355 -1.836394108 stable

SSPN 0.009345151 2.702403166 3.405968551 0.001550137 0.048744355 -1.836857282 stable

LOC100505549 -0.20131224 8.556975556 -3.404374858 0.001557095 0.048897757 -1.841094266 stable

ARHGEF2 0.250261279 7.805713895 3.402633033 0.001564733 0.049072101 -1.84572386 stable

LOC100506639 /// ZNF131 -0.381742872 8.288847391 -3.401076301 0.001571589 0.049169333 -1.849860422 stable

FBXO3 0.239033145 9.284805273 3.400980141 0.001572014 0.049169333 -1.850115907 stable

LSM1 -0.126641128 10.84321787 -3.400274635 0.001575132 0.049201421 -1.851990223 stable

KIAA1429 0.136782325 9.687785668 3.399423059 0.001578903 0.049253806 -1.854252326 stable

HSPA1A /// HSPA1B /// HSPA1L 0.462216507 11.48157446 3.397886305 0.00158573 0.049401261 -1.858333751 stable

RP11-111M22.3 -0.313981743 5.672306146 -3.392971094 0.001607756 0.049991322 -1.871381292 stable

ODC1 -0.366796511 12.1645178 -3.392650186 0.001609204 0.049991322 -1.872232797 stable

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LDOC1L 0.339601094 9.464616992 3.391388329 0.001614911 0.049997732 -1.875580622 stable

TCEAL4 -0.219752021 9.376835094 -3.391257392 0.001615504 0.049997732 -1.875927971 stable

SNHG7 /// SNORA17 /// SNORA43 -0.46846774 7.091013413 -3.389046606 0.001625553 0.050242604 -1.88179166 stable

NPRL2 0.218065581 10.41025138 3.387506597 0.001632587 0.050393815 -1.885875029 stable

AASDHPPT 0.23747895 10.70362989 3.383231063 0.001652271 0.050913424 -1.897206467 stable

STK17B -0.378930094 11.74857381 -3.382902363 0.001653794 0.050913424 -1.8980773 stable

MLYCD 0.402954076 8.338171391 3.382444931 0.001655915 0.050913424 -1.899289113 stable

VCPIP1 0.247826204 7.426279841 3.381962963 0.001658152 0.05091567 -1.900565828 stable

MAP3K4 0.139118153 9.590970481 3.379958962 0.001667488 0.051073876 -1.905873305 stable

KIR2DS3 1.402594039 3.875814711 3.761845464 0.000558707 0.025263676 -0.865870726 up

BIRC2 0.144467482 12.01556041 3.379106223 0.001671476 0.051124546 -1.908131217 stable

PRSS30P 0.744264845 4.358757506 3.378082338 0.001676276 0.051204775 -1.910841893 stable

MOB3A 0.168758463 12.08414307 3.376370441 0.00168433 0.051384091 -1.915373047 stable

TRAF3 -0.175808303 8.178929793 -3.372908752 0.001700731 0.051747949 -1.924531869 stable

LOC102724200 /// TRAPPC10 0.172119217 9.894550902 3.372814326 0.001701181 0.051747949 -1.924781628 stable

RP11-196G18.24 -0.436195336 6.363660351 -3.372462349 0.001702858 0.051747949 -1.925712578 stable

CTPS1 0.328750045 7.487314818 3.371512495 0.00170739 0.051818732 -1.928224604 stable

LOC100270804 -0.552778155 5.940241704 -3.369654557 0.001716289 0.052011752 -1.93313708 stable

ZNF615 0.431404819 7.209362376 3.369262421 0.001718172 0.052011752 -1.934173717 stable

TRAK1 -0.261991775 7.697300359 -3.366483584 0.001731578 0.052350201 -1.941517896 stable

LOC389765 0.202504976 7.699899658 3.365829575 0.001734748 0.052378704 -1.943245896 stable

AUP1 -0.100419248 11.23840188 -3.36240793 0.001751422 0.05279684 -1.952283483 stable

CAPRIN1 0.151016847 12.01067338 3.362068139 0.001753086 0.05279684 -1.953180702 stable

HEXIM1 0.205136518 10.09396547 3.358692188 0.001769702 0.053229098 -1.962092217 stable

UQCRH /// UQCRHL -0.098598267 13.19977196 -3.355006053 0.001788016 0.053701093 -1.971816968 stable

ZNF20 /// ZNF625-ZNF20 0.523081853 6.176150074 3.354199225 0.001792049 0.053701093 -1.973944763 stable

LRCH4 -0.166289315 7.938648373 -3.353838453 0.001793855 0.053701093 -1.974896113 stable

CMTR2 0.28172547 9.480337531 3.353448403 0.001795809 0.053701093 -1.975924608 stable

GNG2 0.486373196 9.373360549 3.353248942 0.00179681 0.053701093 -1.976450526 stable

POU2F2 -0.295485273 7.136878684 -3.352089593 0.001802634 0.053806804 -1.979507044 stable

OXA1L -0.115160781 12.14120114 -3.350237296 0.001811978 0.053903827 -1.984389261 stable

HIST1H2AD /// HIST1H3D -0.32474772 3.426206321 -3.349497901 0.00181572 0.053903827 -1.98633772 stable

FCGR3A /// FCGR3B 0.81756317 12.65107403 3.349338542 0.001816528 0.053903827 -1.986757632 stable

FAM209B -0.270691158 6.310791203 -3.348902715 0.001818738 0.053903827 -1.987905989 stable

CHPT1 -0.737649126 8.17387858 -3.348517057 0.001820697 0.053903827 -1.988922085 stable

KEAP1 0.342622286 9.43811194 3.34830436 0.001821777 0.053903827 -1.989482454 stable

ZNF566 0.206657404 5.287554849 3.347910745 0.001823779 0.053903827 -1.990519412 stable

ZNF740 0.521954726 6.26083989 3.347824376 0.001824219 0.053903827 -1.990746938 stable

NGLY1 -0.373144589 8.309865053 -3.346214533 0.001832429 0.054078504 -1.994987241 stable

SMG8 0.520279733 8.862444568 3.343458085 0.00184657 0.054427529 -2.002245094 stable

CLTC 0.141047271 13.03450621 3.341847064 0.001854882 0.054604118 -2.006485471 stable

ISOC1 0.240431356 9.028795978 3.34124514 0.001857997 0.0546215 -2.008069511 stable

ARHGEF5 -0.236662716 5.791050772 -3.34083605 0.001860117 0.0546215 -2.009145995 stable

CTSC 0.266621849 12.48319167 3.339726077 0.001865881 0.054722427 -2.012066428 stable

RP11-1094M14.11 -0.218977803 8.439360537 -3.338943136 0.001869957 0.054773662 -2.014126092 stable

KIAA1279 0.353170892 8.106380031 3.338033409 0.001874703 0.054789059 -2.016518958 stable

RP11-50B3.4 -0.256400916 8.496759842 -3.337949567 0.001875141 0.054789059 -2.016739471 stable

MATN1-AS1 -0.349446907 7.387587488 -3.336350246 0.001883515 0.054951231 -2.020945256 stable

NKIRAS1 0.365220933 6.007411981 3.335998049 0.001885364 0.054951231 -2.021871293 stable

MAP3K7 0.224239654 7.74821521 3.334290258 0.001894354 0.055144913 -2.026360847 stable

MPP1 -0.29859547 11.63190735 -3.33224934 0.00190515 0.055355583 -2.031724489 stable

VPS26A 0.15323883 11.35288912 3.331260316 0.001910404 0.055355583 -2.034323052 stable

UNG 0.256888967 8.422900319 3.330964404 0.001911978 0.055355583 -2.035100449 stable

MEX3C -0.265236033 4.115886266 -3.330902533 0.001912307 0.055355583 -2.035262987 stable

LYL1 -0.237952885 10.39421959 -3.330705275 0.001913358 0.055355583 -2.035781179 stable

HGS -0.130528003 10.51896941 -3.329725483 0.001918583 0.055438573 -2.038354832 stable

FAM209A /// FAM209B -0.30209373 4.620329885 -3.329148715 0.001921666 0.055459509 -2.039869651 stable

MAGEE1 0.356798878 7.522026698 3.328467771 0.001925311 0.055496618 -2.041657893 stable

RP11-874J12.4 -0.638898788 7.766165634 -3.327957926 0.001928045 0.055507391 -2.042996676 stable

CIRH1A -0.130208467 9.924778856 -3.326460568 0.001936094 0.055581415 -2.046927885 stable

ARPC2 0.100308009 13.38880607 3.326376596 0.001936547 0.055581415 -2.047148317 stable

ACTB /// ACTG1 0.070004473 14.97187873 3.326161694 0.001937705 0.055581415 -2.047712438 stable

MEGF6 -0.451234306 4.587867438 -3.323512388 0.001952038 0.055924335 -2.054665271 stable

CARM1 -0.125836217 9.437096862 -3.322556009 0.001957236 0.056005059 -2.057174441 stable

AGPAT4 0.553888801 6.126217449 3.321393686 0.001963572 0.056105523 -2.060223392 stable

ZNF222 0.340335635 6.903391266 3.320847252 0.001966558 0.056105523 -2.061656568 stable

HEATR9 0.317433844 3.048425966 3.320601246 0.001967903 0.056105523 -2.062301746 stable

SEPHS2 0.238064169 10.61026921 3.319796097 0.001972313 0.056163169 -2.064413151 stable

BPGM 0.407151045 8.016748708 3.316033319 0.001993047 0.056684947 -2.074276835 stable

NOXA1 -0.210394557 7.397964737 -3.314975321 0.001998914 0.056783153 -2.07704914 stable

KIFAP3 0.279911715 9.487153803 3.314009728 0.002004283 0.05680761 -2.079578887 stable

GGA2 -0.190558132 9.400685932 -3.313951845 0.002004605 0.05680761 -2.07973052 stable

GCLM 0.273105984 9.94480624 3.311781831 0.002016723 0.057072709 -2.085414173 stable

RNF14 0.206195606 9.150525979 3.311408895 0.002018813 0.057072709 -2.086390751 stable

SGOL2 0.379944729 5.511320186 3.30894201 0.002032687 0.057395958 -2.092849057 stable

SEL1L3 -0.394327592 10.18054572 -3.307956603 0.002038255 0.057484157 -2.095428108 stable

GRAMD3 0.312189003 8.045037001 3.305992272 0.002049396 0.057729165 -2.100567972 stable

TMEM184B 0.244919682 9.538119379 3.304777799 0.002056314 0.057803093 -2.103744911 stable

LEPROTL1 0.241702926 11.76567585 3.304668808 0.002056936 0.057803093 -2.104029989 stable

PIK3R4 0.157026 9.921118678 3.303154207 0.002065597 0.057977206 -2.107991053 stable

RPE /// RPEL1 0.332688215 7.318689 3.300730154 0.00207953 0.058298724 -2.114328465 stable

PMS2P1 /// PMS2P5 -0.379298262 5.049117973 -3.29859945 0.002091851 0.05857433 -2.119896815 stable

GALNT10 0.21159308 8.239394644 3.295811113 0.002108081 0.058958579 -2.127180789 stable

VPS26B 0.117998213 9.341521474 3.29406957 0.002118278 0.059173414 -2.131728484 stable

BTK -0.236939241 11.0254654 -3.293346348 0.002122526 0.059221759 -2.13361664 stable

FAT4 0.049664419 2.996624834 3.291719814 0.002132111 0.059418697 -2.137862283 stable

PSMC6 0.156848538 11.8975146 3.288831474 0.002149232 0.059824965 -2.145398656 stable

SLFN5 0.43171407 9.048329317 3.286630537 0.002162367 0.060119425 -2.151138948 stable

RSBN1L 0.164472186 9.935139468 3.284259597 0.002176602 0.060234124 -2.157320225 stable

ZNF638 -0.650622206 6.640468815 -3.284124286 0.002177417 0.060234124 -2.157672919 stable

SLC17A9 -0.243138086 7.067850467 -3.284038891 0.002177931 0.060234124 -2.157895501 stable

DUS1L -0.125633159 9.872317375 -3.283841517 0.002179121 0.060234124 -2.158409943 stable

PDGFRB 0.745160331 5.061326575 3.283812333 0.002179297 0.060234124 -2.158486008 stable

GPR183 0.388753684 10.64279229 3.283029748 0.00218402 0.060293829 -2.160525583 stable

LOC157562 0.250216696 7.241606372 3.28184362 0.002191198 0.060351893 -2.163616352 stable

LMBR1 0.248242714 6.886476107 3.281834198 0.002191255 0.060351893 -2.163640902 stable

ARHGAP26 0.248094297 9.328585686 3.281282332 0.002194603 0.060373392 -2.165078719 stable

SMOX -0.468875307 7.958695842 -3.276887431 0.002221434 0.06104014 -2.176524246 stable

NEXN -0.550104151 9.02300968 -3.276245727 0.002225378 0.061077154 -2.178194698 stable

MED20 0.48275619 6.081084145 3.275520489 0.002229843 0.061128375 -2.180082385 stable

YARS2 0.146824082 8.582524575 3.274772626 0.002234457 0.061154541 -2.182028713 stable

H1FX -0.274239449 12.00965124 -3.274523136 0.002235998 0.061154541 -2.182677961 stable

RPF2 -0.182284421 9.321311415 -3.272541916 0.002248272 0.061418809 -2.187832699 stable

ZNRF2 0.20508381 8.2746853 3.272007977 0.00225159 0.061438113 -2.189221599 stable

PARD3B 0.012187276 2.844997236 3.269113719 0.002269661 0.061859434 -2.196748038 stable

HARBI1 0.10188495 2.684913753 3.266861211 0.00228382 0.062173298 -2.202603032 stable

LOC102725022 -0.150248575 8.333325577 -3.264893404 0.002296258 0.062439643 -2.207716137 stable

RIC8B 0.19006066 8.139909409 3.263517876 0.002304991 0.062604729 -2.211289246 stable

MGC70870 0.271344865 6.135091268 3.262585528 0.002310928 0.062636272 -2.213710656 stable

ZNF2 0.495293397 5.992792235 3.262499245 0.002311478 0.062636272 -2.213934723 stable

CGRRF1 -0.166121234 9.043055219 -3.261454451 0.00231815 0.062744782 -2.216647665 stable

SNORD50A /// SNORD50B -0.417593297 8.880307338 -3.260457713 0.002324533 0.062845208 -2.219235364 stable

ZNF24 -0.297745402 7.16145607 -3.257353072 0.002344519 0.063312783 -2.227292679 stable

LOC153577 0.359634238 8.493770489 3.254832017 0.002360869 0.063681188 -2.23383225 stable

CHSY1 0.166368673 10.8461914 3.254050131 0.002365962 0.063717009 -2.235859866 stable

ATP6V1G1 -0.142760336 12.55932891 -3.253796672 0.002367615 0.063717009 -2.236517086 stable

SLC1A7 0.341950878 2.822615279 3.25180109 0.002380669 0.063937175 -2.241690629 stable

LY6G5C -0.498914994 7.246268837 -3.251715179 0.002381232 0.063937175 -2.241913315 stable

MYL5 -0.186560659 6.642509945 -3.2508612 0.002386841 0.063940347 -2.24412667 stable

DNAJA1 0.203948671 11.40707187 3.250278366 0.002390676 0.063940347 -2.24563708 stable

CEP19 0.260279931 4.928975771 3.250223128 0.002391039 0.063940347 -2.245780221 stable

MIR22 /// MIR22HG -0.367368759 9.174467153 -3.24966 0.002394751 0.063940347 -2.247239404 stable

TRPV2 0.190807827 9.988966803 3.249630922 0.002394943 0.063940347 -2.247314748 stable

SIGLEC7 0.453071066 8.83313292 3.243653545 0.002434679 0.064853151 -2.262794462 stable

MGC16142 0.319377453 4.361998025 3.243213745 0.002437628 0.064853151 -2.26393278 stable

NUP54 -0.477339815 3.702306106 -3.242689781 0.002441145 0.064853151 -2.265288825 stable

FOSL2 0.362639638 7.768297791 3.242538259 0.002442163 0.064853151 -2.265680946 stable

ZFAS1 -0.152647826 13.23707785 -3.242158167 0.002444718 0.064853151 -2.266664539 stable

YTHDF3 0.246496437 10.60741816 3.241902316 0.00244644 0.064853151 -2.267326585 stable

CTD-2537I9.5 0.00672627 2.366358229 3.241606237 0.002448433 0.064853151 -2.268092692 stable

PEX11A 0.39870687 6.026325397 3.240903134 0.002453174 0.064905622 -2.269911813 stable

RAB35 0.286917427 7.536965829 3.240083449 0.002458711 0.064979039 -2.272032281 stable

ATG2B 0.344304552 6.060310739 3.236977921 0.002479799 0.065462793 -2.280063302 stable

SNAP23 -0.207539866 12.67349142 -3.236117141 0.002485674 0.065544331 -2.282288538 stable

RING1 -0.126220034 9.147710822 -3.234500559 0.002496744 0.065762508 -2.286466716 stable

RBX1 -0.193698415 12.58017337 -3.233541349 0.002503335 0.065842471 -2.288945306 stable

ADAM8 0.313321649 9.179031072 3.233244356 0.002505379 0.065842471 -2.289712646 stable

KLHL15 0.195798217 7.865615147 3.231821398 0.002515194 0.06602664 -2.29338859 stable

GFI1B -0.480794771 8.238253111 -3.230629226 0.002523445 0.066169394 -2.296467632 stable

GPX4 -0.135930304 12.85288706 -3.229679094 0.002530039 0.066268434 -2.29892109 stable

WNK1 0.101578869 3.404587587 3.22898395 0.002534874 0.066321222 -2.300715848 stable

ZNF608 -0.314871844 5.383454842 -3.227409864 0.002545855 0.066499286 -2.304779091 stable

NRBP1 0.155695933 10.00948441 3.227198295 0.002547335 0.066499286 -2.305325133 stable

SH2B2 -0.265356702 9.858201438 -3.226551401 0.002551863 0.066543646 -2.306994593 stable

C2orf44 0.413719523 5.720316818 3.225890358 0.002556498 0.066551862 -2.308700368 stable

HIST1H2AG /// HIST1H2AH /// HIST1H2AI /// HIST1H2AK /// HIST1H2AL /// HIST1H2AM -0.537121326 8.625487575 -3.2256432 0.002558233 0.066551862 -2.309338091 stable

ERP27 -0.279792432 8.740548043 -3.225296908 0.002560666 0.066551862 -2.310231554 stable

PPIAL4B /// PPIAL4C /// PPIAL4G 0.303568303 4.918452842 3.223009105 0.002576796 0.066897138 -2.316132911 stable

SFMBT2 0.229051908 9.186466328 3.222338122 0.002581544 0.066946529 -2.317863247 stable

INF2 -0.193810317 7.929125811 -3.221027592 0.002590843 0.067113681 -2.321242259 stable

WAPAL 0.118210097 10.45683066 3.218654482 0.002607763 0.067477654 -2.327358976 stable

LOC101927151 0.289312821 4.320878875 3.2179254 0.002612982 0.067538403 -2.329237673 stable

FKBPL 0.335844823 5.333658908 3.217035834 0.002619363 0.067629029 -2.331529577 stable

CAB39L 0.141382674 4.689069252 3.21574318 0.002628663 0.06777788 -2.334859358 stable

DNAJB2 -0.190802656 8.769196851 -3.215317581 0.002631731 0.06777788 -2.335955503 stable

TLR3 0.415145652 3.280938095 3.215034643 0.002633773 0.06777788 -2.336684173 stable

SGSM2 -0.236636246 8.340159463 -3.210749541 0.002664883 0.068503501 -2.347715392 stable

ARMCX3 -0.202252714 9.926885603 -3.209157502 0.002676529 0.068727777 -2.351811655 stable

ERLEC1 0.19375719 10.35487639 3.208100601 0.002684288 0.06878935 -2.35453038 stable

CPOX 0.18086234 9.08424255 3.208034136 0.002684776 0.06878935 -2.354701334 stable

RGS18 -0.28988689 14.13722581 -3.206567931 0.002695577 0.068920579 -2.358472036 stable

PRKRA -0.121523858 10.40483332 -3.205865905 0.002700762 0.068920579 -2.360277115 stable

BC010186 0.407072028 4.518692054 3.205069207 0.002706659 0.068920579 -2.362325343 stable

SYNPO -0.333061935 5.239559472 -3.205055515 0.00270676 0.068920579 -2.362360541 stable

SCN1B -0.584071984 6.830236494 -3.204741907 0.002709085 0.068920579 -2.363166715 stable

NME8 0.625978388 6.47362675 3.204084248 0.002713966 0.068920579 -2.364857168 stable

GPRIN3 0.133787862 4.088251501 3.203805342 0.002716038 0.068920579 -2.365574008 stable

PRPSAP1 0.401783969 5.722830929 3.203761918 0.002716361 0.068920579 -2.365685615 stable

C20orf197 0.306662846 4.283428914 3.203454995 0.002718644 0.068920579 -2.366474417 stable

ZMYM3 -0.132106597 7.67713901 -3.202908453 0.002722713 0.068920579 -2.367878944 stable

WHAMM 0.180490636 9.400731763 3.202249839 0.002727624 0.068920579 -2.369571293 stable

ACSL3 0.301906239 8.704722355 3.201967738 0.002729731 0.068920579 -2.370296108 stable

ZNF134 0.298359635 7.884769159 3.201742321 0.002731415 0.068920579 -2.370875255 stable

RBM7 0.258741489 9.400388924 3.20163067 0.002732249 0.068920579 -2.371162103 stable

IFT57 -0.352703129 9.580701343 -3.201416511 0.002733851 0.068920579 -2.371712294 stable

CDYL2 0.247489881 4.005608841 3.198235327 0.002757743 0.069448475 -2.379882489 stable

KIAA0430 0.146925386 8.843873331 3.196377991 0.002771784 0.069718527 -2.384650494 stable

BLNK -0.569718605 10.03397699 -3.196029251 0.002774428 0.069718527 -2.385545573 stable

SH3KBP1 0.094350623 11.35758467 3.195643055 0.002777359 0.069718527 -2.386536723 stable

CTA-29F11.1 -0.420162525 8.02730483 -3.194087868 0.002789191 0.069905636 -2.390527314 stable

SLFN11 0.344373872 9.188435911 3.193882456 0.002790757 0.069905636 -2.391054313 stable

USP28 0.467355368 7.605480779 3.191815714 0.002806563 0.070226767 -2.396355613 stable

CCL3 /// CCL3L1 /// CCL3L3 1.025917925 8.09660849 3.621227759 0.000840101 0.032688363 -1.255214236 up

SESTD1 -0.307596874 9.085924081 -3.185974515 0.002851695 0.071204582 -2.411327844 stable

JMJD8 -0.12183851 8.538039934 -3.185049405 0.002858906 0.071308929 -2.413697637 stable

DDX51 -0.251291652 8.174981001 -3.183693098 0.002869509 0.071468281 -2.417171281 stable

ADO 0.272872337 7.383798767 3.183074451 0.002874357 0.071468281 -2.418755415 stable

TSHZ1 0.236267324 10.17270083 3.183067744 0.00287441 0.071468281 -2.418772586 stable

CD72 -0.569235338 9.396920633 -3.181662319 0.002885454 0.071624813 -2.42237071 stable

RIOK2 0.314377471 9.169103247 3.181491911 0.002886796 0.071624813 -2.42280692 stable

SLAIN2 0.126534926 4.526914725 3.179912071 0.002899264 0.071858364 -2.426850345 stable

CD96 0.540876069 6.684166639 3.178558275 0.002909989 0.07204826 -2.430314308 stable

DAB2 0.306404205 2.567607823 3.177719388 0.002916653 0.072137334 -2.432460342 stable

PROCR 0.334899741 4.322249716 3.176419118 0.002927012 0.07231749 -2.435786029 stable

RP11-173B14.4 -0.190664569 5.280579053 -3.175298203 0.00293597 0.072462694 -2.438652345 stable

DNAJC30 -0.231151366 8.002666084 -3.174346574 0.002943595 0.07249619 -2.441085316 stable

ZRANB1 0.284150267 6.767988625 3.174320894 0.002943801 0.07249619 -2.441150965 stable

CEP290 -0.185807143 8.199746451 -3.17397551 0.002946574 0.07249619 -2.442033876 stable

CD47 0.158446291 12.98151574 3.171765876 0.002964369 0.072857803 -2.447681085 stable

PGBD2 0.284780854 7.9868029 3.171083961 0.002969881 0.07291709 -2.449423408 stable

DLG3 0.294363126 3.695726317 3.170124143 0.002977656 0.07297599 -2.451875415 stable

PCYT1B -0.105545943 2.601016001 -3.170021953 0.002978485 0.07297599 -2.452136448 stable

SESN2 0.312686081 7.768668764 3.167796132 0.002996595 0.073343299 -2.457820884 stable

RAB39B 0.284894819 6.706827405 3.167012584 0.003002995 0.073423538 -2.459821402 stable

KIR2DS1 1.313167793 7.324754804 3.619230705 0.000844946 0.032741297 -1.26069244 up

STAP1 -0.498202143 8.663730161 -3.165024506 0.003019291 0.073668832 -2.464895973 stable

PBX3 -0.141572384 9.186194341 -3.164569857 0.00302303 0.073683616 -2.466056204 stable

PDCL 0.341181973 7.397293432 3.162878747 0.003036975 0.073917117 -2.470370935 stable

TAL1 -0.580439858 7.719399264 -3.162646406 0.003038895 0.073917117 -2.470963628 stable

SYPL1 -0.192309611 11.76023036 -3.160851108 0.003053774 0.074202299 -2.475542515 stable

ND6 -0.51570719 10.51924701 -3.160188969 0.003059279 0.074259351 -2.477230906 stable

PF4 -0.336059067 14.49545863 -3.158769528 0.003071113 0.074469731 -2.480849653 stable

FAM199X 0.198008436 9.927466114 3.156805644 0.003087556 0.074788475 -2.485854842 stable

SWI5 -0.353523064 7.298895177 -3.156441172 0.003090617 0.074788475 -2.48678354 stable

CIRBP -0.193264236 13.14786184 -3.155565073 0.003097986 0.074851355 -2.489015642 stable

RAB38 0.29752075 2.775326195 3.155317977 0.003100067 0.074851355 -2.48964512 stable

PCNX 0.186843731 8.387315395 3.154652606 0.003105679 0.074851355 -2.491340014 stable

CDYL 0.178383355 9.2790692 3.15462113 0.003105945 0.074851355 -2.491420186 stable

DHX15 0.078624432 12.68839069 3.153025823 0.003119439 0.075041846 -2.495483021 stable

TRANK1 0.30228271 10.04592885 3.152932525 0.00312023 0.075041846 -2.495720588 stable

CD7 0.382258548 11.81232053 3.151835801 0.003129541 0.075188905 -2.498512913 stable

SNORA21 -0.722621024 5.823004577 -3.151278282 0.003134285 0.075226031 -2.49993217 stable

RBM12B 0.239421081 7.24804277 3.150014045 0.003145066 0.075407855 -2.50314995 stable

PAQR8 0.293869136 10.20830708 3.149635135 0.003148305 0.075408628 -2.504114218 stable

FCHO1 -0.148292323 8.544262181 -3.146213208 0.003177693 0.076035103 -2.512819404 stable

RGCC 0.345468186 11.03848529 3.143998092 0.003196854 0.076415868 -2.518451564 stable

FAM98A 0.262902255 9.547042265 3.142258472 0.00321198 0.076699468 -2.522873088 stable

ALG2 0.271481872 10.2039495 3.141335625 0.003220031 0.076813741 -2.525218067 stable

HDAC3 -0.104566348 9.844464021 -3.139048726 0.003240065 0.077139156 -2.531027392 stable

ITPRIP 0.272570164 9.29154411 3.139029782 0.003240232 0.077139156 -2.531075504 stable

ZNF518A 0.213373148 8.64085674 3.137807552 0.003250988 0.077288183 -2.534179255 stable

ATP8B4 0.544544907 7.531088678 3.13757213 0.003253063 0.077288183 -2.534777009 stable

ANKRD40 0.233172888 6.887291021 3.137179241 0.00325653 0.077292477 -2.535774521 stable

KLF2 0.19267406 14.19369186 3.136493871 0.003262586 0.077298117 -2.537514445 stable

SRP72 -0.12467226 12.11677435 -3.136408589 0.00326334 0.077298117 -2.537730931 stable

AL832909 /// LINC00984 /// LINC00984 /// LINC00984 -0.27954861 9.677008394 -3.134530082 0.003279997 0.077614508 -2.542498596 stable

CTDSPL2 0.240647113 8.362535723 3.133373065 0.003290297 0.077779975 -2.545434276 stable

TTC17 -0.156306882 9.924840869 -3.132501954 0.003298072 0.077885483 -2.547644107 stable

ARID5A 0.184268515 9.168754379 3.131049023 0.003311078 0.078065505 -2.551329089 stable

BACE2 -0.611165752 5.65317628 -3.130909111 0.003312333 0.078065505 -2.551683886 stable

GOPC 0.199189688 9.4248845 3.129738795 0.003322848 0.078212228 -2.554651278 stable

MORC2 0.231624523 10.16943247 3.129476533 0.003325208 0.078212228 -2.555316164 stable

IGLV4-3 /// IGLV4-3 -0.21231519 5.98408205 -3.127095245 0.003346716 0.07863743 -2.561351702 stable

RPL18A /// SNORA68 -0.452150176 4.618211949 -3.126735959 0.003349973 0.07863743 -2.562262101 stable

JHDM1D-AS1 -0.223942754 7.02709213 -3.125960151 0.003357014 0.078724165 -2.564227719 stable

AF289551 0.306853759 7.000362225 3.123569426 0.003378803 0.079156199 -2.570283136 stable

CASP6 -0.287296703 8.298860765 -3.123071355 0.003383359 0.079184067 -2.571544342 stable

ZGLP1 -0.276997517 6.601107578 -3.120215407 0.003409596 0.079718797 -2.578773827 stable

ZNF449 0.357192875 6.76699774 3.119295254 0.00341809 0.079838035 -2.581102244 stable

TRIP4 0.165646268 9.673496663 3.11884154 0.003422286 0.079856735 -2.582250204 stable

EBF1 -0.780936132 8.245030796 -3.117994933 0.003430128 0.079960397 -2.584391971 stable

IER3 0.678166586 9.872829848 3.1175012 0.003434709 0.079987917 -2.585640872 stable

XBP1 0.260485874 10.46568827 3.116939093 0.003439932 0.080023039 -2.58706258 stable

ZNF831 0.471598147 8.36298142 3.116606918 0.003443022 0.080023039 -2.58790266 stable

KAT2A -0.192598763 9.007349575 -3.114619511 0.003461563 0.080374563 -2.592927764 stable

IP6K2 0.204012311 9.61684346 3.114118899 0.003466249 0.08040398 -2.594193246 stable

ELL3 -0.207273686 6.0598215 -3.113678519 0.003470375 0.080420391 -2.595306371 stable

MS4A1 -0.573296934 12.76989003 -3.111212065 0.003493573 0.080867189 -2.601538958 stable

FAM217B 0.233226131 9.946703026 3.110898567 0.003496532 0.080867189 -2.60233094 stable

ACTN1 -0.234838591 12.5410615 -3.109840292 0.003506538 0.08094076 -2.605004077 stable

ZMIZ2 -0.176950562 8.069497596 -3.109834252 0.003506596 0.08094076 -2.605019333 stable

MAPKAPK5 -0.159413874 9.439586554 -3.10673935 0.003536015 0.081539807 -2.612833746 stable

DRAM2 -0.157584526 9.940069154 -3.105218038 0.003550561 0.081795055 -2.616673253 stable

TUBB 0.180466082 11.5614632 3.104789148 0.003554672 0.081804629 -2.617755488 stable

SRSF5 -0.198177317 13.25051826 -3.104449357 0.003557933 0.081804629 -2.618612833 stable

ZNF185 -0.421209554 10.70677855 -3.102110149 0.003580454 0.082242055 -2.624513494 stable

ARMC1 0.10655824 10.12298771 3.101581563 0.003585562 0.082279028 -2.625846485 stable

AFF3 -0.867391648 4.993598469 -3.098959588 0.003611 0.082782005 -2.632456594 stable

ELMOD2 0.301728849 7.431145563 3.096412908 0.003635871 0.083271008 -2.638873681 stable

POP1 0.345620145 5.53095651 3.094483054 0.003654826 0.083502236 -2.643734393 stable

CTD-2124B8.2 0.184532801 5.042713385 3.094299919 0.003656629 0.083502236 -2.644195559 stable

ZBTB25 -0.321729453 8.987386156 -3.094048747 0.003659104 0.083502236 -2.644828031 stable

R3HDM1 -0.113191703 10.19979993 -3.093635246 0.003663182 0.083502236 -2.645869189 stable

LOC100129447 -0.19021544 3.760388594 -3.093580969 0.003663718 0.083502236 -2.646005849 stable

SH3BGRL -0.176309292 12.41641278 -3.092947042 0.003669979 0.083563962 -2.647601841 stable

SPATA5 0.252038953 5.73228076 3.091116548 0.003688115 0.083876948 -2.652209248 stable

SASH3 0.195756462 12.35273661 3.090840512 0.003690857 0.083876948 -2.652903897 stable

MZF1 -0.473095563 6.053877067 -3.087476572 0.00372443 0.084558211 -2.661366313 stable

TNXA /// TNXB -0.309454805 2.958536044 -3.084291654 0.003756481 0.085203659 -2.669373273 stable

NFS1 0.317388051 6.852713672 3.083278852 0.003766728 0.085353767 -2.671918442 stable

PDP2 0.280748531 6.238316624 3.079126675 0.003809014 0.086228881 -2.682347593 stable

SYNJ1 0.256720085 7.414859573 3.078167609 0.003818844 0.0863683 -2.684755304 stable

IGF2BP2 -0.321898293 8.386989975 -3.077499245 0.003825709 0.086440445 -2.686432951 stable

SAMD9 0.274270513 9.737580577 3.076226202 0.003838817 0.086653376 -2.689627777 stable

KPNA3 0.108036008 10.29830392 3.075716843 0.003844074 0.086688837 -2.690905841 stable

GTF3C6 -0.113368551 12.00341986 -3.073743065 0.003864507 0.087066161 -2.695857165 stable

RAB30 -0.419573523 4.704726887 -3.072761528 0.003874707 0.087212415 -2.698318687 stable

CMKLR1 0.620002625 6.691359363 3.072202229 0.00388053 0.087259982 -2.699721098 stable

RSF1 0.199922969 6.755555816 3.071634756 0.003886447 0.087309559 -2.701143846 stable

CENPC 0.201976986 8.285514249 3.070965661 0.003893434 0.087383068 -2.702821175 stable

RALGPS2 -0.756292757 8.522457117 -3.069617738 0.003907546 0.087616193 -2.706199561 stable

GPR114 0.402472201 4.42150143 3.06746901 0.003930142 0.08803892 -2.711583204 stable

SLCO4C1 0.173016473 2.701418656 3.065523994 0.003950702 0.088415278 -2.716454481 stable

SRRM1 -0.124657715 10.20098956 -3.06361388 0.003970992 0.088784879 -2.721236527 stable

ENKUR -0.719254972 5.624877736 -3.062371323 0.003984243 0.088977672 -2.724346347 stable

BCL7A -0.518082551 8.175245248 -3.062096443 0.00398718 0.088977672 -2.725034203 stable

ZNF684 0.22535662 5.206369545 3.060312185 0.004006295 0.089319493 -2.729498193 stable

RP11-216L13.19 -0.298006827 4.903495978 -3.058784454 0.00402273 0.089582169 -2.733319128 stable

ITGAV 0.216621362 9.060557932 3.058509577 0.004025694 0.089582169 -2.734006488 stable

TRMT1 -0.112553708 9.64995809 -3.058105626 0.004030054 0.089594413 -2.735016544 stable

RBM4 -0.282448394 9.19900901 -3.056307159 0.004049516 0.089942087 -2.739512519 stable

HIST1H2AE -0.683349142 8.590962644 -3.05503692 0.004063316 0.090163445 -2.742687012 stable

KPNA1 0.092449588 9.815283227 3.052669242 0.004089156 0.090651314 -2.74860201 stable

LRRC74 -0.103656929 3.118662093 -3.051157623 0.004105735 0.090933133 -2.752376923 stable

SLC35F2 -0.375947041 5.456811705 -3.050652358 0.00411129 0.090970516 -2.753638448 stable

EZH1 -0.155644711 9.714865147 -3.048277347 0.004137499 0.091406612 -2.759566582 stable

MTX3 -0.265226029 8.641761804 -3.048162439 0.004138771 0.091406612 -2.759853325 stable

AKT3 0.268769303 9.152700121 3.046925848 0.004152484 0.091623426 -2.762938729 stable

SIPA1L3 -0.205059321 8.926969736 -3.046397011 0.004158361 0.091667114 -2.764257991 stable

PTCRA -0.375630866 8.3907059 -3.045895377 0.004163943 0.091704223 -2.765509262 stable

TPRKB -0.118923693 9.588750164 -3.044931022 0.004174695 0.091854995 -2.767914389 stable

WDR5B 0.563101206 6.852029345 3.044040683 0.004184644 0.091987857 -2.770134506 stable

ZNF74 0.278348802 6.312591407 3.043522078 0.004190449 0.091993773 -2.771427496 stable

MAP1LC3B -0.138160462 11.47641834 -3.043318069 0.004192735 0.091993773 -2.771936097 stable

RNF44 0.118924203 12.60720424 3.041671612 0.004211226 0.092253576 -2.776040003 stable

EIF2S2 0.157555136 7.279634194 3.041565526 0.00421242 0.092253576 -2.776304383 stable

SNX2 -0.213022208 12.52265582 -3.040344227 0.00422619 0.092469037 -2.779347617 stable

ZMYM6 /// ZMYM6NB 0.178359555 10.01018551 3.039729072 0.004233142 0.092471754 -2.780880177 stable

BAHD1 0.230813816 9.059246842 3.039539974 0.004235281 0.092471754 -2.781351246 stable

GAB3 0.243338565 9.553040248 3.039290125 0.004238109 0.092471754 -2.781973626 stable

AGPAT1 -0.233602881 10.36540516 -3.038619032 0.004245713 0.09250141 -2.783645182 stable

PPP1CA 0.126982862 12.67343613 3.038361727 0.004248632 0.09250141 -2.78428602 stable

PITPNC1 0.244079636 8.97912098 3.038129705 0.004251266 0.09250141 -2.784863857 stable

YTHDF2 0.127974158 11.37825383 3.036435775 0.004270541 0.092657202 -2.789081676 stable

ZNF606 0.295963476 5.89741801 3.036366635 0.00427133 0.092657202 -2.789253803 stable

AMT -0.208448951 8.513543747 -3.036227746 0.004272914 0.092657202 -2.789599563 stable

PHTF1 0.200626906 3.567314451 3.035820868 0.004277559 0.092657202 -2.790612415 stable

SCFD2 -0.338001698 9.825928146 -3.035771518 0.004278123 0.092657202 -2.790735258 stable

PELP1 -0.157532751 8.944321314 -3.034860308 0.004288543 0.092797439 -2.793003238 stable

STRBP -0.393084657 8.793591716 -3.034182648 0.004296308 0.092856468 -2.794689648 stable

DHTKD1 -0.202020309 7.821033774 -3.033933458 0.004299166 0.092856468 -2.795309718 stable

ZFAND1 -0.191338098 10.18769454 -3.031085137 0.004331969 0.093479132 -2.802395113 stable

CPSF6 -0.137435031 10.85542538 -3.029513747 0.004350167 0.093772603 -2.806302307 stable

TSPAN14 0.285556622 10.75369954 3.029222945 0.004353543 0.093772603 -2.80702524 stable

LAMTOR1 -0.18538007 12.32917613 -3.028012362 0.004367622 0.09398978 -2.810034281 stable

MMP24-AS1 -0.145956269 7.969446706 -3.025315459 0.00439914 0.094581515 -2.816735087 stable

E2F6 0.560439814 6.663644625 3.02487037 0.004404363 0.094607316 -2.817840618 stable

PSMC4 0.162860871 10.56562373 3.021927356 0.00443904 0.095115029 -2.82514808 stable

BMP6 -0.524317354 8.799036398 -3.021882079 0.004439576 0.095115029 -2.825260468 stable

FAM83G -0.105376614 7.158947665 -3.021835221 0.00444013 0.095115029 -2.825376779 stable

OSBPL10 -0.298130667 4.838792669 -3.021002764 0.004449988 0.095239459 -2.827442927 stable

FAM129C -0.661436018 6.111203213 -3.019471561 0.004468174 0.095541743 -2.83124244 stable

LINC00672 0.441411428 6.869869048 3.018795325 0.004476228 0.095554889 -2.832920071 stable

NGFRAP1 -0.409205008 12.36928837 -3.018737772 0.004476914 0.095554889 -2.833062839 stable

CLIP4 0.208198547 8.428303039 3.018198467 0.004483347 0.095605454 -2.834400585 stable

LIPE -0.161851618 7.095790035 -3.017823852 0.004487822 0.095614178 -2.83532973 stable

MTCH1 -0.09716931 12.40693919 -3.016680238 0.004501506 0.095818939 -2.838165758 stable

DPH1 /// OVCA2 -0.126845825 9.807918381 -3.016232167 0.004506879 0.095844278 -2.839276743 stable

LCN10 -0.602675242 7.421098374 -3.015901568 0.004510846 0.095844278 -2.84009639 stable

WDR34 -0.316137696 6.691619303 -3.014614417 0.004526326 0.096086375 -2.843287077 stable

GLTSCR2 -0.170066669 7.983742974 -3.013835096 0.004535722 0.096199023 -2.845218508 stable

DAXX 0.158632701 10.1729278 3.013406299 0.0045409 0.096222077 -2.846281087 stable

PDE12 0.16770785 8.531634462 3.01289289 0.004547107 0.096266876 -2.847553217 stable

RBFA -0.115463604 7.782205836 -3.011622835 0.004562496 0.096505809 -2.850699593 stable

PRDM10 0.184769288 5.780569142 3.010807543 0.0045724 0.096554805 -2.852718932 stable

FRYL 0.147216717 9.886880126 3.010756397 0.004573022 0.096554805 -2.8528456 stable

BUD13 0.255124172 8.747146754 3.009249275 0.004591387 0.096839587 -2.856577555 stable

GNG8 -0.669875976 6.791315314 -3.008974349 0.004594744 0.096839587 -2.857258207 stable

AKIP1 /// NUAK2 0.316597192 10.20722439 3.00792445 0.004607587 0.097023331 -2.859857151 stable

FCRL2 -0.652517461 9.730018237 -3.006998081 0.004618947 0.097175545 -2.862149842 stable

CREM 0.509360614 8.589118682 3.005238084 0.004640603 0.097481169 -2.866504498 stable

GXYLT1 0.115890631 9.224433612 3.005063398 0.004642757 0.097481169 -2.86693663 stable

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RGS2 0.400246241 14.39482276 3.004178273 0.004653689 0.097481169 -2.869125967 stable

RPL22L1 -0.172200607 10.94069572 -3.004137224 0.004654196 0.097481169 -2.869227492 stable

USP37 0.116171749 7.503458978 3.002962708 0.004668741 0.097698803 -2.872131993 stable

PHKB -0.144813347 10.92964154 -3.00013613 0.004703919 0.098347447 -2.87911906 stable

TSPAN13 -0.461841002 10.51341697 -2.999596127 0.004710668 0.098355635 -2.880453438 stable

SHQ1 0.130036129 10.10789402 2.999435763 0.004712674 0.098355635 -2.880849678 stable

SOCS4 0.600036362 5.137864031 2.99828201 0.00472713 0.098569871 -2.883700078 stable

ACBD6 -0.099066464 8.792011998 -2.99764279 0.004735157 0.098649793 -2.88527901 stable

HMOX2 0.177826054 10.07201537 2.997053471 0.004742568 0.098716766 -2.886734494 stable

CD164 0.104987338 13.14170233 2.995436098 0.004762965 0.099053678 -2.890728132 stable

UBOX5 -0.285152363 6.914327117 -2.9949504 0.004769107 0.099093782 -2.891927164 stable

AK291611 /// TRGV7 /// TRGV7 0.436711689 5.821254717 2.993317258 0.004789812 0.099436151 -2.895957979 stable

CNTRL -0.142075595 9.82815424 -2.991212461 0.004816621 0.099829603 -2.901150889 stable

ZNF668 0.357427527 6.075478235 2.99083968 0.004821384 0.099829603 -2.902070371 stable

LOC283070 -0.182889866 10.15575915 -2.990830809 0.004821497 0.099829603 -2.902092251 stable

LIM2 0.232432932 2.79416313 2.989428721 0.004839451 0.100113211 -2.905549921 stable

ARHGAP32 -0.350608209 6.115231945 -2.988990449 0.004845076 0.100141499 -2.90663053 stable

PSMG4 -0.204064848 10.23888531 -2.988120667 0.004856257 0.100249519 -2.908774788 stable

RP11-248J18.3 -0.21313466 8.603069347 -2.987921084 0.004858826 0.100249519 -2.909266762 stable

SMC2 0.290314079 7.478074797 2.987156944 0.004868674 0.100336024 -2.911150183 stable

PSMD10 0.12622889 10.18124458 2.986934058 0.00487155 0.100336024 -2.911699487 stable

CCDC127 0.214020639 8.750384672 2.985991162 0.004883735 0.10049898 -2.91402298 stable

LOC389906 -0.288211416 7.989308876 -2.985259704 0.004893207 0.100605878 -2.915825131 stable

IFITM2 0.228530195 13.82425935 2.984551704 0.004902392 0.100659248 -2.917569224 stable

IPO9 -0.231423897 7.02637614 -2.983911421 0.004910712 0.100659248 -2.919146282 stable

CTC-338M12.4 -0.102572168 7.820249638 -2.983547457 0.004915447 0.100659248 -2.920042654 stable

CLCN4 -0.620159842 3.369026034 -2.983147243 0.004920659 0.100659248 -2.921028226 stable

FKBP1B -0.419565394 8.52695906 -2.983108493 0.004921164 0.100659248 -2.921123649 stable

FAM122A 0.30407366 8.382101575 2.98228994 0.004931842 0.100659248 -2.923139151 stable

HIST2H2BE -0.615846976 10.64955663 -2.98188674 0.004937109 0.100659248 -2.924131816 stable

RFWD3 0.18026532 7.6607822 2.981882869 0.00493716 0.100659248 -2.924141346 stable

ARL6IP1 0.173180312 11.79742717 2.981342678 0.004944225 0.100659248 -2.925471145 stable

CD79A -0.612934263 12.05001209 -2.980792834 0.004951427 0.100659248 -2.926824552 stable

LOC101927181 0.33726051 4.768100701 2.98049264 0.004955362 0.100659248 -2.927563394 stable

PRO2852 -0.486544126 9.238656197 -2.980465104 0.004955724 0.100659248 -2.927631164 stable

TIMM9 -0.15902842 8.601000383 -2.980417055 0.004956354 0.100659248 -2.927749418 stable

LOC101928631 /// ZNF77 -0.08094873 3.592312691 -2.979887423 0.004963306 0.100659248 -2.929052826 stable

CYB561A3 -0.231053823 11.13272026 -2.979840116 0.004963928 0.100659248 -2.92916924 stable

OGFOD1 -0.176414044 8.256649712 -2.979571555 0.004967457 0.100659248 -2.929830098 stable

NFIA 0.028675073 3.314656857 2.979488028 0.004968555 0.100659248 -2.930035629 stable

HSPA1A /// HSPA1B 0.339360525 12.57304214 2.97879593 0.004977663 0.100741678 -2.9317385 stable

NAP1L2 0.504200699 6.279059366 2.978408036 0.004982775 0.100741678 -2.932692786 stable

RHOB 0.651153091 9.345792448 2.978203425 0.004985473 0.100741678 -2.933196133 stable

PARG 0.113399054 8.707532948 2.977811311 0.004990648 0.100759682 -2.934160681 stable

RLF 0.166668102 8.248682203 2.977007301 0.005001274 0.100887628 -2.936138187 stable

CDK5RAP3 -0.184638639 11.47474372 -2.976304949 0.005010575 0.100988625 -2.937865389 stable

TACC3 -0.156047295 10.5343969 -2.971670963 0.005072344 0.102146069 -2.949254772 stable

LOC102724517 /// NLK -0.281238905 5.259211974 -2.968552036 0.00511432 0.102903277 -2.956914211 stable

MOGS 0.14332566 8.840009282 2.968090382 0.005120561 0.102940787 -2.958047512 stable

LOC101929336 /// RIF1 0.133043706 9.153202205 2.966737449 0.005138892 0.103221073 -2.961368149 stable

IL18R1 0.495651795 8.529551051 2.964731608 0.005166182 0.103680692 -2.966289539 stable

CALM1 /// CALM2 /// CALM3 -0.246865321 11.54372309 -2.964160069 0.005173983 0.103748726 -2.967691446 stable

CD83 -0.596798691 9.245856771 -2.963111083 0.005188329 0.103875186 -2.970264024 stable

ALKBH1 0.286306991 9.448361858 2.963053187 0.005189122 0.103875186 -2.970405993 stable

TMEM181 0.266769565 10.00450247 2.961428779 0.005211415 0.104165607 -2.974388586 stable

GLRX2 0.30563054 8.762293754 2.961157893 0.005215141 0.104165607 -2.975052591 stable

HIST1H2BC -0.641840695 8.137362008 -2.961028934 0.005216916 0.104165607 -2.975368687 stable

ANK1 -0.359355941 4.66831943 -2.960308425 0.005226843 0.104194776 -2.977134584 stable

PDZK1 0.005515969 2.325683532 2.960279853 0.005227237 0.104194776 -2.977204606 stable

SDE2 0.402071017 6.045313817 2.959749125 0.005234561 0.104252412 -2.978505191 stable

SEC24C 0.157640111 10.68977118 2.959243945 0.005241541 0.104303113 -2.97974303 stable

TP53INP1 -0.205966276 11.44701424 -2.95614283 0.005284581 0.105070699 -2.987338778 stable

DARS -0.169078199 11.22381478 -2.954521476 0.005307216 0.105431611 -2.991308067 stable

EXOC8 0.227159532 8.947157759 2.953150539 0.005326426 0.105723931 -2.994663236 stable

HSP90AA1 0.129303933 14.22185261 2.952446762 0.005336312 0.105830863 -2.996385247 stable

PLA2G4A 0.719550145 7.219370802 2.948456054 0.0053927 0.106791118 -3.00614489 stable

ELP4 0.147356869 7.890586636 2.948377795 0.005393812 0.106791118 -3.006336195 stable

CISD3 0.178387936 8.688403652 2.947427617 0.005407322 0.106968571 -3.00865868 stable

NDFIP2 0.492611914 6.431867636 2.945101247 0.005440535 0.107477977 -3.014342948 stable

PRDX6 -0.206283696 12.66766004 -2.944984147 0.005442212 0.107477977 -3.014628997 stable

SIAH1 0.172500684 6.39666188 2.944166271 0.005453937 0.107506867 -3.01662668 stable

NDST1 -0.296422399 4.692248157 -2.943923823 0.005457418 0.107506867 -3.017218797 stable

DIEXF 0.272187608 7.810413913 2.943660247 0.005461204 0.107506867 -3.017862481 stable

C21orf91 0.245939635 8.571128707 2.943607784 0.005461958 0.107506867 -3.017990598 stable

HYDIN2 0.005813447 2.624365563 2.942240459 0.00548164 0.10780406 -3.021329142 stable

PATZ1 0.129474965 9.239510065 2.940696814 0.00550394 0.107889906 -3.025097027 stable

EBP 0.188950784 8.659381469 2.940617221 0.005505093 0.107889906 -3.025291271 stable

LOC339988 0.568406888 7.03325348 2.940604952 0.00550527 0.107889906 -3.025321213 stable

SPTY2D1 0.213367548 9.664972635 2.940541593 0.005506188 0.107889906 -3.025475835 stable

NOP58 -0.165076966 11.28324198 -2.940351547 0.00550894 0.107889906 -3.025939616 stable

CKS2 0.594820559 8.298339477 2.939326341 0.00552381 0.108036301 -3.028441169 stable

GABARAPL2 -0.101799556 12.78552017 -2.939203035 0.005525601 0.108036301 -3.028742003 stable

PNRC2 0.124663403 12.98587794 2.937412613 0.005551669 0.108455823 -3.03310928 stable

SNX29 -0.303409834 6.57725847 -2.936474734 0.00556537 0.108538205 -3.035396327 stable

RPS24 0.536724164 7.618522923 2.93620319 0.005569343 0.108538205 -3.036058409 stable

SLC30A1 0.442304627 10.39384033 2.936082614 0.005571108 0.108538205 -3.036352386 stable

L3MBTL1 0.15078129 3.205936436 2.93561249 0.005577994 0.108538205 -3.037498526 stable

PPP1R8 0.138446618 10.75584483 2.935546699 0.005578959 0.108538205 -3.037658913 stable

DNAJC1 0.286426125 8.946487249 2.93269874 0.005620854 0.10926289 -3.04459953 stable

LINC00938 -0.185048433 10.2803506 -2.931070987 0.005644931 0.109625508 -3.048564531 stable

WDR26 0.083607486 12.36834606 2.930598071 0.005651944 0.109625508 -3.049716233 stable

METRN 0.295959831 5.609709541 2.930493896 0.00565349 0.109625508 -3.049969917 stable

PDSS2 -0.174494153 8.279915491 -2.928237245 0.005687077 0.110185952 -3.055463843 stable

CD2BP2 0.126659599 9.103070687 2.927729826 0.005694655 0.110227305 -3.05669881 stable

OK/SW-CL.58 -0.16005511 2.927670854 -2.927466986 0.005698584 0.110227305 -3.057338463 stable

LOC100506530 0.013243148 2.705687543 2.926655088 0.005710737 0.110371607 -3.059314084 stable

SDPR -0.452980862 12.73801328 -2.925370825 0.00573001 0.110653168 -3.062438416 stable

RANBP6 0.169871274 10.12642618 2.924991298 0.005735717 0.110672516 -3.063361557 stable

GMPR -0.513970516 8.431014724 -2.924262385 0.005746693 0.110793413 -3.065134313 stable

ZBTB5 0.216593942 7.810028253 2.923390113 0.005759853 0.110956194 -3.067255356 stable

EIF1B -0.104199176 12.00282343 -2.921167581 0.005793514 0.11148114 -3.072657917 stable

SEPT5-GP1BB -0.145897073 6.978803109 -2.920965528 0.005796583 0.11148114 -3.073148941 stable

TNFRSF9 0.354516735 4.025462464 2.920635432 0.005801601 0.11148648 -3.073951084 stable

SETD3 0.165718077 10.41430598 2.920028202 0.005810841 0.111554759 -3.075426525 stable

STAG3 -0.499051185 6.261385381 -2.91965274 0.005816562 0.111554759 -3.076338717 stable

CALHM2 0.515290461 9.565599247 2.919467764 0.005819382 0.111554759 -3.076788094 stable

DDX27 -0.112231964 10.08295018 -2.91902282 0.005826171 0.111593954 -3.077868959 stable

LINC00961 -0.081888002 2.919257742 -2.915644032 0.005877969 0.112494465 -3.086073331 stable

DUSP22 -0.166574497 11.08319368 -2.914974963 0.005888276 0.112600122 -3.08769725 stable

DET1 -0.260598581 6.453845242 -2.910888816 0.005951597 0.113718537 -3.097609708 stable

DERL3 -0.415679742 7.438215962 -2.909307635 0.005976271 0.114097289 -3.101443069 stable

ADIPOR1 -0.208637131 11.5295121 -2.908223499 0.005993243 0.114253416 -3.104070645 stable

RNF20 0.113454437 11.11707605 2.908164802 0.005994163 0.114253416 -3.10421289 stable

TRG-AS1 0.363079191 10.55211854 2.906279554 0.006023789 0.114632884 -3.108780541 stable

SWAP70 -0.36372326 11.08670107 -2.905814839 0.006031113 0.114632884 -3.109906181 stable

CDK2AP2 0.241878041 10.74934444 2.90557962 0.006034823 0.114632884 -3.110475886 stable

TAZ -0.098671392 8.700057546 -2.905404189 0.006037592 0.114632884 -3.110900766 stable

BTBD1 0.094254812 12.03560751 2.905058942 0.006043044 0.114632884 -3.111736878 stable

SLC37A1 -0.167528864 7.8962585 -2.905041869 0.006043313 0.114632884 -3.111778225 stable

SGK494 -0.280655558 7.39508985 -2.904524133 0.006051498 0.11469564 -3.113031944 stable

MMP23A /// MMP23B 0.402857966 3.139472026 2.903915963 0.006061126 0.11478562 -3.114504472 stable

DPM2 -0.122814801 8.508903698 -2.903593668 0.006066234 0.11478993 -3.115284746 stable

ORAI2 -0.252245298 9.353420631 -2.903224064 0.006072096 0.114808503 -3.116179487 stable

LZTS3 -0.166564527 5.588758977 -2.902744029 0.006079719 0.114860288 -3.117341453 stable

MANEA 0.462337325 5.221741588 2.901886399 0.006093359 0.115025592 -3.119417113 stable

NFATC2 0.291923315 5.472083272 2.899872679 0.006125498 0.115539569 -3.124289233 stable

TOB2 0.339200509 7.856596078 2.898459484 0.006148148 0.115675891 -3.127707116 stable

SH2D3A -0.28213161 7.804723943 -2.898323119 0.006150338 0.115675891 -3.128036865 stable

ATAD2B 0.200629929 7.174582383 2.898234922 0.006151754 0.115675891 -3.128250134 stable

PDCD10 -0.124193804 12.46161551 -2.89819488 0.006152397 0.115675891 -3.128346956 stable

KIAA1432 0.020602427 2.958714751 2.897812974 0.006158536 0.115698817 -3.129270379 stable

NR3C1 0.121384147 12.34692819 2.896802423 0.006174806 0.11590828 -3.131713444 stable

ZMYND12 -0.516780927 4.242182954 -2.896508782 0.006179541 0.11590828 -3.132423236 stable

RP5-935K16.1 0.185361714 7.022773669 2.895045319 0.006203191 0.116259172 -3.135960047 stable

SKP1 -0.110687 10.63690639 -2.894703435 0.006208728 0.116270303 -3.136786126 stable

ATF7IP 0.132882743 6.232090229 2.894140419 0.006217857 0.116348622 -3.138146382 stable

CSTF1 0.299769776 7.053824651 2.891904943 0.006254227 0.116864758 -3.143545659 stable

HSD11B1L -0.050448588 3.294885611 -2.891834449 0.006255377 0.116864758 -3.143715876 stable

CAPN3 -0.273366757 8.280801284 -2.890834962 0.006271706 0.117076815 -3.146129004 stable

HGD -0.599259997 8.491899395 -2.889938155 0.00628639 0.117257879 -3.148293769 stable

COPZ2 0.444277689 4.616796146 2.889127584 0.006299691 0.117270445 -3.150250001 stable

TMEM91 -0.336683053 9.406864441 -2.889043985 0.006301064 0.117270445 -3.150451739 stable

CDKN1A -0.338840253 10.23059536 -2.888985705 0.006302021 0.117270445 -3.150592377 stable

PAXIP1-AS1 -0.251430244 9.203656991 -2.888245053 0.006314201 0.117322747 -3.152379502 stable

ZFP30 0.142848343 4.136504818 2.8878044 0.006321459 0.117322747 -3.153442618 stable

BRD8 0.121890165 10.12855343 2.887726263 0.006322746 0.117322747 -3.15363112 stable

KRTAP3-3 0.006908254 2.431838859 2.887425173 0.00632771 0.117322747 -3.154357454 stable

YAE1D1 0.371303753 7.481319137 2.887031936 0.006334199 0.117322747 -3.155306008 stable

LOC101928419 -0.655194926 7.311439116 -2.886793846 0.006338131 0.117322747 -3.15588028 stable

LOC100287210 0.007061712 2.481485191 2.886695959 0.006339748 0.117322747 -3.156116375 stable

EFNA4 0.261141003 6.743827862 2.885728405 0.006355753 0.117526469 -3.158449748 stable

POLE3 -0.110976914 10.75810463 -2.884583884 0.006374734 0.11778486 -3.16120925 stable

PPARA 0.173072073 5.047822209 2.884097467 0.006382817 0.117841638 -3.162381815 stable

RTP4 0.627480513 8.210656381 2.88341946 0.0063941 0.117957355 -3.164016019 stable

RBM28 0.109104049 8.559923843 2.883024607 0.006400679 0.117986192 -3.164967619 stable

SEPP1 0.099148858 3.205533311 2.882353629 0.006411874 0.118099996 -3.166584496 stable

MYOM2 1.218022496 9.313589642 2.089627899 0.043278318 0.035493351 -4.887994365 up

RAD51L3-RFFL /// RFFL 0.241579174 7.669442223 2.880445713 0.006443807 0.118502564 -3.171180735 stable

ZNF701 0.191405676 4.193873356 2.880113103 0.006449389 0.118512558 -3.171981805 stable

FOXO1 -0.319420097 9.360886393 -2.879344496 0.006462305 0.118657206 -3.173832716 stable

FYTTD1 0.08632292 11.88685286 2.878324359 0.006479486 0.11880452 -3.176288856 stable

GLYATL1 -0.193298072 4.473161259 -2.878221189 0.006481226 0.11880452 -3.176537223 stable

ITCH 0.215949297 7.117485769 2.877968975 0.006485481 0.11880452 -3.177144367 stable

PRR5 0.318661383 8.675189676 2.876955516 0.006502607 0.119025532 -3.179583679 stable

TOE1 -0.132629113 8.447178602 -2.876350667 0.006512847 0.119120282 -3.181039237 stable

TMEM194A 0.178747869 6.962912582 2.875742938 0.006523152 0.119216053 -3.182501528 stable

PPP1R14A -0.617789824 7.38585353 -2.875143484 0.006533331 0.119309386 -3.183943713 stable

DRG1 -0.123277126 10.61265689 -2.874756778 0.006539906 0.119336795 -3.184873959 stable

VPREB3 -0.830530456 7.8285272 -2.874147788 0.006550272 0.119433296 -3.186338761 stable

PHF11 -0.088573401 12.10305514 -2.873426597 0.006562568 0.119486313 -3.188073179 stable

GIN1 0.20193825 8.160041704 2.873381377 0.00656334 0.119486313 -3.188181922 stable

FBXO45 0.388823558 8.723308549 2.872801781 0.006573238 0.119573967 -3.189575597 stable

LINC00921 /// TIGD7 /// ZNF263 -0.223614032 3.068983454 -2.87228226 0.006582123 0.119643052 -3.190824662 stable

ZNF330 0.146665227 11.09345348 2.870865029 0.006606416 0.119991902 -3.194231322 stable

ZNF776 0.205096666 9.821357899 2.870340292 0.006615432 0.120062946 -3.195492381 stable

ZUFSP 0.19116732 8.457796844 2.870033598 0.006620707 0.120066036 -3.196229364 stable

RTKN 0.032672899 2.685849096 2.869384341 0.006631887 0.120176121 -3.197789357 stable

DANCR -0.23195506 9.952366643 -2.86871475 0.006643435 0.120276188 -3.199397969 stable

NPHP3 -0.239998402 3.495351301 -2.868302486 0.006650554 0.120276188 -3.200388262 stable

CCDC71L 0.240121662 8.240683973 2.868175462 0.00665275 0.120276188 -3.200693366 stable

PIGV 0.25279412 8.987213632 2.867788533 0.00665944 0.120304678 -3.201622693 stable

NEO1 0.396020162 3.840038309 2.865766472 0.006694507 0.120845354 -3.206477966 stable

AIMP1 -0.172513721 10.30393565 -2.864749524 0.006712208 0.121071966 -3.208918975 stable

APPBP2 0.099357791 9.896796027 2.863726758 0.006730054 0.121272414 -3.211373383 stable

CCDC23 -0.247491248 8.585812275 -2.863327753 0.006737029 0.121272414 -3.212330753 stable

SLFN13 0.415708082 6.597359043 2.863227134 0.006738789 0.121272414 -3.212572163 stable

UBXN7-AS1 -0.270555229 3.509917491 -2.862387427 0.006753492 0.121444096 -3.214586621 stable

UBAP2 -0.125344636 8.924856643 -2.861791931 0.006763937 0.121539005 -3.216014984 stable

IFIH1 -0.439075854 6.521622352 -2.861361053 0.006771504 0.121582095 -3.217048373 stable

RP11-16P6.1 -0.241555023 3.313175396 -2.86096703 0.006778431 0.121613631 -3.217993285 stable

GTF3C5 -0.106909336 6.280792298 -2.859844863 0.006798194 0.121794787 -3.220683903 stable

ADCY3 -0.150035272 7.050172899 -2.859805746 0.006798884 0.121794787 -3.220777681 stable

DHX8 0.171387904 9.598547579 2.85894583 0.006814067 0.121973871 -3.222839019 stable

SH2D3C 0.210240539 10.39101731 2.857543493 0.006838894 0.122184281 -3.226199756 stable

HELZ 0.110001314 10.74169318 2.85752075 0.006839298 0.122184281 -3.226254252 stable

NFIC -0.18455133 8.133619015 -2.857401923 0.006841405 0.122184281 -3.226538972 stable

CBLN3 -0.707968552 4.537014276 -2.856884057 0.006850598 0.122196908 -3.227779743 stable

GRASP -0.253301633 7.938246334 -2.856776855 0.006852503 0.122196908 -3.228036571 stable

PAK6 0.310970389 2.730392389 2.85589754 0.006868143 0.122383018 -3.230142961 stable

LOC100289283 -0.073236774 3.830029309 -2.855570732 0.006873964 0.122394023 -3.23092572 stable

DHRS7 0.17847105 11.70261876 2.854209909 0.006898253 0.122733588 -3.234184484 stable

PPP2R2A 0.085217523 10.30645175 2.852457461 0.00692965 0.123199009 -3.238379592 stable

POLL -0.111050259 8.250194983 -2.85209975 0.006936075 0.123220102 -3.239235694 stable

ZC3H12D -0.370011482 9.503883902 -2.851791013 0.006941625 0.123225626 -3.239974534 stable

TMEM133 0.170947758 3.223811251 2.850868895 0.006958226 0.123261359 -3.242180944 stable

GRB14 -0.753434763 6.300174787 -2.850825069 0.006959016 0.123261359 -3.242285799 stable

C5orf45 -0.276524398 8.409174135 -2.850581126 0.006963414 0.123261359 -3.242869414 stable

LZIC 0.146217064 8.139751281 2.85025526 0.006969293 0.123261359 -3.243648973 stable

GNA12 -0.170790184 8.23713114 -2.850118802 0.006971757 0.123261359 -3.243975398 stable

CREBRF -0.180008403 8.630218728 -2.84917766 0.006988769 0.123261359 -3.246226467 stable

TFAP2E 0.209514399 4.951488929 2.849031991 0.006991406 0.123261359 -3.246574842 stable

USP4 -0.065078445 10.53416702 -2.848993403 0.006992104 0.123261359 -3.246667125 stable

VAMP7 -0.111956965 11.74438073 -2.848874472 0.006994258 0.123261359 -3.246951545 stable

FERMT3 -0.182370548 12.11627806 -2.848775949 0.006996042 0.123261359 -3.247187153 stable

ZNF687 0.406660527 6.737567295 2.848079586 0.007008667 0.123391365 -3.248852284 stable

MIR4657 /// PURB 0.117122489 9.740587149 2.845666218 0.007052586 0.124071701 -3.254621039 stable

RAB28 0.179261102 7.62544406 2.845337136 0.007058594 0.124084595 -3.255407409 stable

AK023627 /// TCTE3 -0.687353142 3.599843347 -2.844329529 0.007077021 0.124315613 -3.257814805 stable

KIAA1377 0.47543442 4.057199307 2.843975809 0.0070835 0.124336572 -3.258659788 stable

B3GALT4 0.198091251 8.792526058 2.84207097 0.007118488 0.124720609 -3.263208984 stable

CCDC88C 0.247090554 9.379232257 2.842003263 0.007119734 0.124720609 -3.263370648 stable

FCGR3B 0.725494611 7.570456595 2.841918978 0.007121286 0.124720609 -3.263571889 stable

AMN1 -0.261039313 7.940871904 -2.841121051 0.007135996 0.124885236 -3.265476869 stable

GPATCH11 0.242493188 5.422788674 2.839133724 0.007172754 0.125435208 -3.270219916 stable

POLD1 -0.132578525 8.466876187 -2.837935958 0.007194994 0.125667593 -3.273077517 stable

CCL28 -0.349715188 6.976812001 -2.837842695 0.007196728 0.125667593 -3.273299987 stable

ESCO1 0.170929209 9.716624024 2.836779462 0.007216528 0.125919854 -3.275835911 stable

WDR11-AS1 -0.683432477 6.630558835 -2.83627876 0.00722587 0.125989394 -3.277029922 stable

AP001462.6 -0.32542964 3.741602189 -2.83593502 0.00723229 0.126007922 -3.277849551 stable

C8orf44 /// C8orf44-SGK3 /// SGK3 -0.342799888 5.704408492 -2.835625399 0.007238077 0.126015408 -3.278587771 stable

ORMDL1 -0.107399883 11.97057423 -2.834499407 0.00725916 0.126247863 -3.281271989 stable

FAM231D /// LINC00869 /// LOC388692 0.36731052 6.342380678 2.83433921 0.007262164 0.126247863 -3.281653822 stable

LOC155060 -0.299087127 6.682330704 -2.833098579 0.007285468 0.126507257 -3.284610414 stable

ATXN2 -0.11139433 9.115933876 -2.832972416 0.007287842 0.126507257 -3.28491103 stable

LCN2 -0.619244859 10.24563494 -2.832600759 0.007294839 0.126535331 -3.285796549 stable

CEP76 0.38769828 6.930710451 2.832021842 0.00730575 0.126568317 -3.287175736 stable

GNG7 -0.482992144 7.903311755 -2.831928941 0.007307503 0.126568317 -3.287397044 stable

RAB18 0.135046258 10.62367825 2.831596195 0.007313783 0.126583873 -3.288189664 stable

LINC00869 /// LOC100996741 0.401719883 9.402557986 2.831166992 0.00732189 0.126631018 -3.289211962 stable

LINC00324 0.373028868 8.839685779 2.830879174 0.007327332 0.126632019 -3.289897445 stable

RHEBL1 0.287774757 3.893907139 2.83050973 0.007334322 0.126656217 -3.290777265 stable

EGFL7 -0.540535782 4.455526676 -2.830236208 0.007339502 0.126656217 -3.291428603 stable

ZNF616 0.189524449 4.201766939 2.82841361 0.007374102 0.127146691 -3.295767698 stable

ZNF609 0.201406737 7.56958992 2.827880654 0.007384248 0.127146691 -3.297036172 stable

GUCD1 -0.178600707 10.33908741 -2.82770145 0.007387663 0.127146691 -3.297462656 stable

MEIS3 0.020354045 3.132030653 2.827602608 0.007389547 0.127146691 -3.29769788 stable

KRT10 -0.155863926 9.332231101 -2.827276269 0.00739577 0.12716075 -3.298474463 stable

C1GALT1C1 0.231901739 8.879187579 2.826207174 0.007416192 0.127326005 -3.301018158 stable

NPAT 0.207300503 10.43648399 2.82620634 0.007416208 0.127326005 -3.301020144 stable

LOC284630 /// TTC34 -0.158014515 3.751083786 -2.824189842 0.00745487 0.127896432 -3.305816281 stable

KDM6A 0.130490728 8.751629041 2.822691575 0.007483718 0.12829777 -3.309378378 stable

2-Mar -0.077581084 3.757754697 -2.821967274 0.007497702 0.128443873 -3.311099946 stable

DBNDD1 -0.159496342 3.155698763 -2.821209615 0.007512355 0.128601233 -3.312900492 stable

MARS2 0.322827445 7.392949799 2.820362605 0.007528767 0.128788465 -3.314912999 stable

P2RX5-TAX1BP3 /// TAX1BP3 -0.24932446 11.28519203 -2.819643198 0.007542734 0.128933607 -3.316622012 stable

SMIM20 -0.171208237 8.954571935 -2.818828183 0.007558585 0.12911074 -3.318557802 stable

PHLDA1 0.11960207 3.080709012 2.817315146 0.007588096 0.129520753 -3.322150533 stable

FBXO41 /// LOC101927826 -0.167704953 4.755912097 -2.816739048 0.00759936 0.12961896 -3.323518153 stable

CCDC102A 0.347390733 3.773009279 2.816306275 0.007607832 0.129669435 -3.324545409 stable

ZNF432 0.178538956 8.326836933 2.814050308 0.007652139 0.130330162 -3.32989863 stable

AK057657 /// RP11-473I1.9 -0.105129259 11.42748922 -2.81296651 0.007673509 0.130599578 -3.332469389 stable

SUN2 0.136672843 12.60450945 2.812357189 0.007685549 0.1307099 -3.333914409 stable

ADSL -0.098497565 10.54405235 -2.809232155 0.007747571 0.131669529 -3.341322264 stable

KIAA1958 -0.157951038 4.295207021 -2.808342953 0.007765304 0.131854816 -3.343429117 stable

GLE1 0.170960113 8.925746161 2.808123558 0.007769686 0.131854816 -3.343948879 stable

DPP10-AS1 0.010561612 2.802932195 2.807646589 0.007779218 0.131921406 -3.345078759 stable

NFE2L2 0.229955828 5.854590325 2.806985282 0.007792453 0.132050637 -3.346645102 stable

FAM219B 0.123873578 8.104093632 2.806598132 0.007800211 0.132086935 -3.347561977 stable

KLRC1 /// KLRC2 0.702814266 11.5077492 2.806043105 0.007811345 0.132180317 -3.348876283 stable

LOC642776 0.009930044 2.657800069 2.80398113 0.007852839 0.132786935 -3.353757552 stable

SPRED2 0.538710006 3.168453754 2.803607411 0.007860382 0.132818989 -3.354641996 stable

CARD11 0.294372284 7.684181879 2.803138849 0.007869848 0.132883479 -3.355750785 stable

SIGLEC8 -0.020741641 2.791776519 -2.801056269 0.00791205 0.133500227 -3.360677456 stable

KLRB1 0.474239184 12.76703899 2.800414439 0.007925098 0.133593787 -3.36219532 stable

HIST2H2AA3 /// HIST2H2AA4 -0.375619281 12.42559338 -2.800224965 0.007928954 0.133593787 -3.362643363 stable

C2CD2L 0.23044511 8.372980925 2.799450947 0.007944724 0.133679412 -3.36447345 stable

WBP11 -0.084405208 10.77526589 -2.799241364 0.007948999 0.133679412 -3.364968932 stable

BAZ2B 0.21497753 9.856474337 2.799139067 0.007951086 0.133679412 -3.365210765 stable

POU5F2 0.007659326 2.689133463 2.798367597 0.007966845 0.133848683 -3.367034362 stable

AP3M1 0.172891717 10.02412983 2.797470319 0.00798521 0.134014048 -3.369154926 stable

LHPP -0.208462616 8.102292843 -2.797084997 0.007993108 0.134014048 -3.370065432 stable

NMRK1 0.366139975 4.501678791 2.79705223 0.00799378 0.134014048 -3.370142856 stable

SNAI3 0.358072011 7.319850576 2.796352394 0.008008146 0.13415926 -3.371796324 stable

PPP1R12C -0.135648348 9.799456419 -2.795548853 0.00802467 0.134340398 -3.373694474 stable

ZAP70 0.317390694 11.77476283 2.794886009 0.008038324 0.13438314 -3.375259996 stable

ZMYM4 0.122934175 9.570904131 2.794870228 0.00803865 0.13438314 -3.375297265 stable

PPP3CB 0.074797596 11.47713308 2.793841609 0.008059883 0.134642399 -3.377726186 stable

ORC3 -0.122105883 8.922409158 -2.792766372 0.008082134 0.134719984 -3.380264559 stable

LOC101928623 /// LOC401320 -0.196828116 7.396687072 -2.792299254 0.008091818 0.134719984 -3.381367109 stable

SRCRB4D -0.166917493 6.468064204 -2.79219137 0.008094056 0.134719984 -3.381621732 stable

INPP4A 0.166125095 10.9411757 2.79184006 0.008101349 0.134719984 -3.382450835 stable

ZNF22 0.200654065 10.49548028 2.791838171 0.008101388 0.134719984 -3.382455293 stable

FAM109A -0.172354815 7.47085483 -2.791753277 0.008103151 0.134719984 -3.382655635 stable

CHMP5 0.300335293 9.745506229 2.791682532 0.00810462 0.134719984 -3.382822586 stable

FRG1 /// FRG1B /// LOC100134091 /// LOC100289097 /// LOC101930278 /// LOC101930531 /// LOC102724923 0.388817052 8.529688231 2.791369853 0.008111119 0.134732782 -3.383560433 stable

CYP4Z1 0.005866358 2.48960555 2.789794589 0.008143929 0.135149335 -3.387276848 stable

ZNF638 /// ZNF638-IT1 0.177352501 9.505528699 2.789614535 0.008147687 0.135149335 -3.387701549 stable

EGF -0.452758289 7.778532716 -2.789016257 0.008160186 0.135261273 -3.389112603 stable

SUV420H1 0.121799804 10.54590832 2.78863373 0.008168187 0.135298548 -3.390014698 stable

LSR -0.315119375 7.386779149 -2.786621515 0.008210395 0.135901979 -3.394758658 stable

NRBF2 0.392526546 9.711446779 2.786333687 0.008216449 0.135906545 -3.39543705 stable

TNFAIP1 0.295542971 7.463727307 2.785979343 0.008223908 0.135912309 -3.396272153 stable

RP11-53O19.3 0.194492817 8.863576055 2.785768251 0.008228355 0.135912309 -3.396769612 stable

MTMR6 0.11958099 10.82847022 2.784774722 0.008249312 0.135997967 -3.399110624 stable

ZNF706 -0.089327745 12.45056967 -2.784774277 0.008249321 0.135997967 -3.399111674 stable

SCMH1 -0.165902419 7.327806189 -2.784700174 0.008250886 0.135997967 -3.399286256 stable

SPATA5L1 -0.268283524 5.449188867 -2.783589286 0.008274382 0.136289737 -3.401903097 stable

EXOSC6 -0.252257681 7.968425591 -2.782920457 0.008288558 0.136313369 -3.403478275 stable

KLRC4-KLRK1 /// KLRK1 0.341925544 12.13217339 2.782913267 0.008288711 0.136313369 -3.403495208 stable

GCH1 0.269412527 12.66639717 2.782701539 0.008293203 0.136313369 -3.403993801 stable

SEPN1 -0.172726843 9.164016104 -2.780540978 0.008339175 0.136973282 -3.409080224 stable

RPUSD2 0.226198195 7.818876653 2.779753926 0.008355981 0.13715354 -3.41093246 stable

ASMTL-AS1 -0.01497319 2.817934176 -2.77942462 0.008363022 0.137161598 -3.41170734 stable

KIF21B 0.190921916 10.16369505 2.779185642 0.008368135 0.137161598 -3.412269634 stable

ZNF350 0.1551942 7.520301955 2.778675529 0.008379058 0.137175282 -3.413469778 stable

ZNF394 -0.278220925 10.51546086 -2.778602022 0.008380633 0.137175282 -3.413642707 stable

LOC100996740 -0.23391373 11.7466358 -2.777444584 0.008405473 0.137486178 -3.416365222 stable

ACTR6 0.147016652 9.502524241 2.776690579 0.008421691 0.137655727 -3.418138382 stable

RP11-429B14.4 0.009848904 2.744724817 2.776094417 0.008434534 0.13776992 -3.419540122 stable

SNN -0.238445445 12.42761328 -2.774888182 0.008460577 0.137851397 -3.422375702 stable

PHYKPL -0.187265633 10.66366491 -2.774674846 0.008465191 0.137851397 -3.42287712 stable

ESAM -0.618267023 8.152255212 -2.774581162 0.008467218 0.137851397 -3.423097303 stable

TOPORS 0.156237674 10.07638933 2.774553149 0.008467824 0.137851397 -3.423163139 stable

EIF2B1 -0.082530465 10.89025884 -2.774506805 0.008468827 0.137851397 -3.423272059 stable

SLC25A12 0.196407973 7.734782086 2.773497837 0.008490687 0.138111657 -3.425643063 stable

IFNG 1.215885196 3.468861783 3.439071802 0.001412174 0.045941542 -1.748611318 up

PRMT5 -0.198123443 7.51111258 -2.77231697 0.008516339 0.138337576 -3.428417288 stable

CFL1 0.053405457 14.45894106 2.77201694 0.008522868 0.138348087 -3.429122027 stable

SNCA -0.482742749 11.16067287 -2.770862738 0.008548028 0.138660804 -3.431832654 stable

ELOVL2-AS1 0.007311241 2.689070027 2.768381801 0.008602343 0.139445692 -3.437656556 stable

LINC01089 -0.304212453 9.443818856 -2.766771148 0.008637776 0.139923636 -3.44143564 stable

LOC102724162 -0.30603588 2.930383795 -2.766185272 0.008650698 0.140036522 -3.442809921 stable

LOC220729 /// SDHA /// SDHAP1 /// SDHAP2 -0.335876727 7.823324613 -2.76588331 0.008657365 0.140048064 -3.443518151 stable

CCDC19 -0.136459933 2.999200468 -2.765202375 0.008672418 0.140075548 -3.445115052 stable

MRPL10 0.203413468 9.938333962 2.765096098 0.008674769 0.140075548 -3.445364264 stable

TSC22D1 -0.334690971 12.53075559 -2.764998448 0.00867693 0.140075548 -3.445593241 stable

CYB5D2 -0.264953266 7.885256021 -2.764462202 0.008688807 0.140171075 -3.446850576 stable

MCUR1 -0.399044957 11.09056046 -2.763933992 0.00870052 0.140235817 -3.448088909 stable

HLA-DMA -0.243318273 12.517156 -2.763487206 0.00871044 0.140235817 -3.449136228 stable

ZDHHC23 -0.42053636 7.076328507 -2.763475196 0.008710707 0.140235817 -3.449164381 stable

FLJ10038 -0.24424133 8.346497862 -2.761945981 0.008744738 0.140679857 -3.452748179 stable

MATR3 -0.325915367 5.010733892 -2.761698814 0.00875025 0.140679857 -3.453327305 stable

KCTD7 /// RABGEF1 0.186543796 6.762770933 2.761324603 0.008758601 0.14071794 -3.454204036 stable

RP11-251G23.5 0.137008701 3.218860195 2.760216296 0.008783379 0.140915922 -3.456800196 stable

RASSF1 0.209365397 10.09536448 2.759726662 0.008794347 0.140915922 -3.45794692 stable

ATG4D 0.225324993 6.603933787 2.759705358 0.008794824 0.140915922 -3.457996811 stable

C9orf37 -0.095827669 6.862133826 -2.75970248 0.008794889 0.140915922 -3.458003551 stable

KCTD6 0.525867494 6.499478599 2.758641917 0.008818689 0.141201077 -3.460486914 stable

THBS3 -0.145704239 6.186395445 -2.757087289 0.008853685 0.141664979 -3.464126003 stable

SLC17A5 0.509479626 7.377286462 2.756133146 0.008875227 0.14191313 -3.466358791 stable

NAT1 0.468558622 8.377101845 2.753490731 0.008935141 0.142733926 -3.472539606 stable

DHFRL1 0.31458259 6.81754116 2.753334428 0.008938696 0.142733926 -3.472905086 stable

DDX21 -0.111804043 11.24207792 -2.751638932 0.008977351 0.143212107 -3.476868744 stable

COL7A1 -0.187713242 6.439109804 -2.751487128 0.00898082 0.143212107 -3.477223545 stable

HIST1H4I -0.156122022 7.087861632 -2.748834154 0.009041637 0.144004623 -3.483422044 stable

PARP3 -0.179826555 7.187152496 -2.748785183 0.009042763 0.144004623 -3.483536425 stable

CYP4F12 -0.317608689 5.111951034 -2.747997413 0.009060897 0.144195784 -3.485376204 stable

GNAQ -0.181463188 12.48380383 -2.747505134 0.009072247 0.144278781 -3.486525704 stable

RP11-378J18.8 -0.313037265 4.787737368 -2.746720272 0.009090369 0.144469302 -3.488358123 stable

ZNF45 0.182418484 7.275846338 2.745393751 0.009121074 0.144793583 -3.491454353 stable

UBFD1 0.252529674 7.036446987 2.745307 0.009123085 0.144793583 -3.491656802 stable

HIP1R -0.312999055 8.444124887 -2.743914123 0.009155436 0.14520905 -3.494906765 stable

GNG3 -0.030233276 3.07995814 -2.74340731 0.009167234 0.145279369 -3.496089024 stable

MSANTD2 0.201354435 7.936813787 2.743193167 0.009172223 0.145279369 -3.496588518 stable

IL5RA 0.00631137 2.310745784 2.742923594 0.009178507 0.14528107 -3.497217266 stable

LELP1 -0.031417242 3.652201747 -2.742359391 0.009191672 0.145391613 -3.498533072 stable

RPL27A /// SNORA45A 0.033208413 15.84381696 2.741036268 0.009222615 0.145783017 -3.501618082 stable

CIDEC -0.207007385 5.291519832 -2.737611458 0.009303157 0.146957389 -3.509598763 stable

CCDC53 -0.108550659 10.53360483 -2.736780227 0.009322803 0.147168894 -3.511534733 stable

ZBTB49 0.182770776 8.239004228 2.735349471 0.009356709 0.147423718 -3.514866093 stable

HIST1H2BA 0.017078092 2.944528819 2.735323658 0.009357322 0.147423718 -3.514926185 stable

DTX1 -0.305265976 7.212885414 -2.735279108 0.00935838 0.147423718 -3.515029894 stable

ST3GAL4-AS1 0.452992734 5.197972947 2.735041753 0.009364017 0.147423718 -3.515582428 stable

FBXO5 0.245119801 7.77970784 2.733595647 0.009398428 0.147833373 -3.518948083 stable

LOC102724809 0.008009747 2.531496687 2.733306276 0.009405327 0.147833373 -3.519621419 stable

ICAM2 0.137860437 11.61657812 2.733156836 0.009408892 0.147833373 -3.519969133 stable

MIR1204 /// PVT1 -0.249928182 9.065683995 -2.730735815 0.009466824 0.148620648 -3.525600505 stable

UPF1 0.172085548 7.433161852 2.730535343 0.009471636 0.148620648 -3.52606666 stable

RMI1 0.339228839 8.986452782 2.729488897 0.00949679 0.148915999 -3.528499567 stable

LMNTD2 -0.191478667 6.254581213 -2.729187542 0.009504045 0.14893048 -3.529200079 stable

AKAP5 0.373945257 3.511463839 2.727456028 0.009545832 0.149485699 -3.533224036 stable

ZNF765 0.236541417 8.948941218 2.726881789 0.009559728 0.149533809 -3.534558159 stable

BC017988 /// RP11-308N19.1 0.438880241 3.170564679 2.726803687 0.009561619 0.149533809 -3.5347396 stable

ALG6 0.119277707 9.630146278 2.726306335 0.009573672 0.149622815 -3.535894918 stable

SNX29P1 /// SNX29P2 -0.49245501 5.489293317 -2.725718396 0.009587938 0.149746272 -3.537260482 stable

NDST2 /// ZSWIM8-AS1 -0.363556298 7.304539966 -2.724289697 0.009622686 0.150189252 -3.540577987 stable

RBM25 -0.317650834 8.756471893 -2.723853502 0.009633318 0.150255493 -3.541590619 stable

LOC101926963 -0.22245743 5.832328311 -2.723387727 0.009644684 0.150296469 -3.5426718 stable

F13A1 -0.427891705 12.90871622 -2.723222216 0.009648725 0.150296469 -3.543055963 stable

TRADD -0.100900519 10.44456402 -2.722687402 0.009661796 0.150400459 -3.544297196 stable

RTN4R 0.338830103 3.202014997 2.720915041 0.009705227 0.15092162 -3.548409436 stable

FAM210B -0.13686665 10.24865186 -2.720797743 0.009708108 0.15092162 -3.548681529 stable

TRIM23 0.28348107 5.562576245 2.719436365 0.009741601 0.151319014 -3.551838883 stable

IQGAP2 0.162984788 11.27671677 2.719236063 0.009746537 0.151319014 -3.55230334 stable

CCR4 0.173044859 4.127827648 2.718778603 0.009757821 0.151394268 -3.553364007 stable

GRPEL2 0.241103338 9.00399392 2.71709414 0.009799474 0.1519403 -3.557268554 stable

LINC00528 -0.240981965 6.772737153 -2.716555889 0.009812819 0.151983804 -3.558515863 stable

WNT9A 0.008778489 2.427264543 2.716459777 0.009815203 0.151983804 -3.55873857 stable

CRLF3 0.103627514 12.53565323 2.716181366 0.009822114 0.151990751 -3.559383661 stable

ZNF211 0.180552512 8.639652612 2.715626568 0.009835898 0.152092889 -3.56066902 stable

TPD52 -0.355722308 10.27356501 -2.715395408 0.009841647 0.152092889 -3.56120452 stable

TSHB 0.021878704 2.504865789 2.714793131 0.009856639 0.152224566 -3.562599597 stable

OSBPL5 0.694564496 7.059792722 2.714184364 0.009871815 0.152272398 -3.564009497 stable

KDM1A -0.092703353 9.272402779 -2.714149511 0.009872684 0.152272398 -3.564090208 stable

PDDC1 -0.111082036 9.011387664 -2.713452511 0.009890087 0.152396272 -3.565704177 stable

LANCL3 0.124924102 3.003109335 2.713308993 0.009893674 0.152396272 -3.566036469 stable

GNAS -0.080336959 14.92268713 -2.712901336 0.009903869 0.152453473 -3.566980274 stable

MIR29B2 /// MIR29C 0.182706664 8.542522617 2.711170533 0.009947263 0.153021305 -3.570986342 stable

BRD4 -0.132022088 11.43777673 -2.709338249 0.009993393 0.153497114 -3.575225406 stable

IPO7 0.07873295 10.92583822 2.708813428 0.010006642 0.153497114 -3.576439245 stable

CTC-523E23.1 0.571926815 5.42324951 2.708798635 0.010007016 0.153497114 -3.576473455 stable

ZC3H3 -0.154860442 8.413494573 -2.708498544 0.0100146 0.153497114 -3.57716745 stable

CORO2B -0.422114942 2.811186494 -2.708441251 0.010016048 0.153497114 -3.57729994 stable

ETFB -0.14933774 9.745258154 -2.70838979 0.010017349 0.153497114 -3.577418943 stable

UBR5 0.127193381 9.977254576 2.707628006 0.010036629 0.15367651 -3.579180373 stable

RP11-1191J2.5 -0.232819097 6.023985809 -2.707411132 0.010042124 0.15367651 -3.579681776 stable

SLC33A1 0.167256477 8.90539756 2.706695815 0.010060268 0.153854072 -3.581335367 stable

HCN2 0.117957439 4.086879434 2.705601215 0.010088091 0.154179334 -3.583865167 stable

LOC100129973 -0.450942572 3.976209177 -2.705064488 0.01010176 0.154287988 -3.585105377 stable

F8A1 /// F8A2 /// F8A3 -0.103082104 11.38499381 -2.703960131 0.010129939 0.154495097 -3.587656681 stable

LOC283357 0.237116876 9.312722235 2.703659145 0.010137631 0.154495097 -3.588351901 stable

C9orf16 -0.182856921 11.17170516 -2.703398275 0.010144303 0.154495097 -3.588954419 stable

ZNF420 0.430055246 6.799030656 2.703301997 0.010146766 0.154495097 -3.589176777 stable

STOM 0.232153811 11.26519955 2.703247449 0.010148162 0.154495097 -3.589302756 stable

DDX60L 0.259417543 3.14323146 2.702255573 0.010173575 0.154781798 -3.59159319 stable

GPKOW 0.148609756 8.987702802 2.701973982 0.0101808 0.154791601 -3.592243336 stable

OTUD3 -0.165815821 8.099220084 -2.70068213 0.010214009 0.155138781 -3.595225406 stable

ESD -0.127018409 11.76822397 -2.700572712 0.010216826 0.155138781 -3.59547794 stable

CTSA -0.262096672 12.67420668 -2.700070461 0.010229768 0.155235073 -3.596637025 stable

ID1 -0.655580779 3.12054891 -2.699017469 0.010256949 0.155463377 -3.599066628 stable

ZNF18 0.154782036 8.386563833 2.698975574 0.010258032 0.155463377 -3.599163282 stable

ZFYVE26 0.224164077 8.485934237 2.69712925 0.010305857 0.156087616 -3.603421764 stable

TNN 0.009350511 2.787517505 2.696369628 0.010325594 0.156285899 -3.605173231 stable

ARSG 0.19509713 8.131981286 2.694858835 0.010364951 0.15678071 -3.608655679 stable

FAM114A2 0.095642231 8.389016012 2.694569777 0.010372497 0.156794018 -3.609321821 stable

LOC100134445 -0.318489082 9.435870902 -2.69301882 0.010413072 0.157306265 -3.612895207 stable

FHL3 0.273335856 6.73535126 2.692024478 0.010439162 0.157599182 -3.615185423 stable

HDC -0.814010717 7.738515329 -2.690966401 0.010466991 0.157917954 -3.617621803 stable

OTULIN 0.234903754 7.131862176 2.689294693 0.010511099 0.158481768 -3.621469828 stable

DGCR2 0.177400434 8.161081248 2.688673483 0.010527533 0.158627875 -3.622899346 stable

FBXL14 0.0486378 2.414811172 2.687938617 0.010547005 0.158819533 -3.624590117 stable

EXOC2 0.17622516 8.858121373 2.687196511 0.010566703 0.159011352 -3.626297225 stable

MIR1292 /// NOP56 /// SNORD110 /// SNORD57 /// SNORD86 -0.119727081 8.618356755 -2.686949578 0.010573265 0.159011352 -3.626865188 stable

ST6GALNAC6 0.180265538 6.85110058 2.685670982 0.010607301 0.159421298 -3.629805476 stable

FUZ -0.177277862 7.507674314 -2.685140476 0.010621453 0.159532055 -3.63102516 stable

BAGE2 /// BAGE3 /// BAGE5 /// KMT2C 0.180472044 4.19096872 2.682649683 0.010688132 0.160416022 -3.636749529 stable

GORASP2 0.123041028 10.62526296 2.682383381 0.010695284 0.160416022 -3.637361332 stable

YWHAH -0.273032333 11.17300145 -2.682179313 0.010700767 0.160416022 -3.637830131 stable

ZNF304 0.301695001 7.757124225 2.681836374 0.010709988 0.160451987 -3.638617899 stable

BZW2 -0.12910677 10.69661602 -2.681369903 0.010722542 0.160536638 -3.639689322 stable

NOL11 0.129649559 10.77849461 2.68111942 0.010729289 0.160536638 -3.640264597 stable

PPP2R3C 0.068755167 4.001761436 2.679870715 0.010762981 0.160938384 -3.643131899 stable

KIAA0247 0.107006999 11.6365483 2.679288517 0.010778723 0.161038113 -3.644468442 stable

KBTBD6 0.255659008 4.144417841 2.679117789 0.010783344 0.161038113 -3.644860344 stable

USO1 0.129176837 10.35417688 2.678239486 0.010807142 0.16129111 -3.646876187 stable

RP11-672L10.6 -0.463675991 4.512633735 -2.677902891 0.010816275 0.161325055 -3.647648605 stable

LOC101927752 -0.176675544 8.450429793 -2.677097053 0.01083817 0.161549173 -3.649497574 stable

CCT6P1 /// CCT6P3 -0.237448355 9.018227673 -2.676205975 0.010862428 0.161808216 -3.651541678 stable

UBE2Q2 0.16441674 10.64493326 2.675644256 0.010877746 0.161933835 -3.652830005 stable

BCKDHB -0.217930857 7.910480618 -2.675178529 0.010890461 0.162020578 -3.653898031 stable

VGLL4 0.167750838 9.496791217 2.673254369 0.01094314 0.162701382 -3.658309244 stable

LRIF1 0.236843417 9.482989006 2.672218854 0.010971587 0.163021281 -3.660682304 stable

MGC24103 0.586341134 3.109832484 2.671930567 0.010979518 0.163036144 -3.661342851 stable

LANCL1 0.164849312 7.894855406 2.670723684 0.011012781 0.163426897 -3.664107629 stable

SCAMP1 0.170481075 8.711591663 2.670461708 0.011020014 0.163431116 -3.664707663 stable

PAX5 -0.228279577 3.435339646 -2.669416012 0.011048927 0.163515476 -3.667102334 stable

ZNF318 -0.132103717 9.22871867 -2.669406558 0.011049189 0.163515476 -3.66712398 stable

KCTD5 0.258471388 9.811030258 2.669314652 0.011051734 0.163515476 -3.667334417 stable

NAV3 0.008428243 2.809735253 2.669250505 0.01105351 0.163515476 -3.667481291 stable

TEFM 0.339574334 7.679329963 2.668709866 0.011068492 0.163634187 -3.668719064 stable

IGH /// IGHA1 /// IGHA2 /// IGHD /// IGHG1 /// IGHG3 /// IGHG4 /// IGHM /// IGHV3-23 /// IGHV4-31 -0.565564304 10.63316337 -2.6676392 0.011098216 0.163970569 -3.671169807 stable

AC079767.4 -0.652137152 7.202821594 -2.664398397 0.01118864 0.165051952 -3.678583854 stable

CLK4 0.331571231 6.769842073 2.664305647 0.011191237 0.165051952 -3.678795948 stable

LOC441155 /// ZC3H11A 0.219363902 6.239964899 2.664261986 0.01119246 0.165051952 -3.678895789 stable

UBB 0.075013352 14.71992329 2.663795565 0.011205534 0.165141209 -3.67996228 stable

BLOC1S1-RDH5 /// RDH5 -0.175122811 6.404745596 -2.658314026 0.011360241 0.16731636 -3.692486458 stable

SPAG1 0.286841035 5.979650271 2.657535926 0.01138236 0.167537233 -3.694262815 stable

ZNF182 0.143791748 8.440325753 2.657170466 0.011392763 0.167574003 -3.695097016 stable

TSPYL2 -0.254210087 9.219646257 -2.656947741 0.011399107 0.167574003 -3.695605372 stable

LETMD1 -0.119805877 10.05177194 -2.656056965 0.011424513 0.167725428 -3.697638213 stable

ZNF611 0.093599368 3.574927062 2.655903323 0.0114289 0.167725428 -3.697988793 stable

PKM -0.150145988 13.55306247 -2.655836796 0.011430801 0.167725428 -3.698140591 stable

TBPL1 0.101394241 10.06667949 2.655490515 0.011440696 0.167765966 -3.698930668 stable

PINLYP -0.172531548 5.925960616 -2.655228907 0.011448177 0.167771072 -3.699527508 stable

RAB14 0.09741828 11.17603255 2.654083145 0.011480994 0.168106346 -3.702141002 stable

MRPS12 -0.174782353 3.562194354 -2.653845068 0.011487824 0.168106346 -3.702683961 stable

ZCCHC6 0.187222532 10.38662821 2.653682296 0.011492496 0.168106346 -3.70305516 stable

NAB1 0.202358695 6.638203169 2.652541312 0.011525293 0.168481307 -3.705656713 stable

CCZ1B -0.331756947 9.2584274 -2.651937752 0.011542677 0.168630628 -3.707032577 stable

TMEM55A -0.171383681 9.027720148 -2.65051962 0.011583618 0.169123697 -3.710264473 stable

ZNF257 0.238578473 3.659765372 2.649949823 0.011600105 0.169259352 -3.711562692 stable

VLDLR 0.011712649 2.631017878 2.649561998 0.01161134 0.169318238 -3.7124462 stable

ZNF574 0.36096907 7.3262829 2.649107367 0.011624522 0.169377084 -3.713481784 stable

ACTR8 0.225831868 5.975474205 2.64892625 0.011629777 0.169377084 -3.713894309 stable

ARL4A -0.308455955 8.846462421 -2.648595015 0.011639394 0.169412248 -3.714648702 stable

MINK1 -0.255778226 8.13297424 -2.64792804 0.011658781 0.169549138 -3.716167553 stable

SAMD3 0.586826275 3.768197853 2.647775615 0.011663216 0.169549138 -3.716514622 stable

PDE4A 0.385184535 8.107379546 2.644870831 0.011748027 0.170676558 -3.723126116 stable

CHCHD10 -0.148152992 11.56196552 -2.644001034 0.011773533 0.170941524 -3.72510486 stable

GPR68 0.116196654 2.736831112 2.643360121 0.01179236 0.171109249 -3.726562616 stable

HOXA1 0.550944855 3.703570266 2.642383483 0.011821102 0.171389289 -3.728783511 stable

ACO1 0.183622617 7.295048541 2.642209365 0.011826233 0.171389289 -3.7291794 stable

MTA1 -0.173628374 8.409621903 -2.641547672 0.01184575 0.171566437 -3.730683713 stable

SLC26A2 0.182414489 8.968906939 2.640491032 0.011876979 0.171912878 -3.733085369 stable

IFT20 -0.117742238 10.82611056 -2.640128046 0.011887725 0.17196259 -3.733910254 stable

LOC100129361 -0.134250013 10.86763601 -2.639857902 0.011895728 0.171972592 -3.734524102 stable

NAP1L3 0.455004391 5.995319645 2.639527449 0.011905524 0.172008492 -3.735274935 stable

KANSL2 0.118278374 9.655515838 2.634361123 0.012059649 0.174128299 -3.747005032 stable

C6orf226 -0.171718953 7.343219159 -2.633563958 0.012083593 0.174366993 -3.748813572 stable

GSTK1 -0.091224406 12.27291418 -2.631196234 0.012154971 0.175289438 -3.75418302 stable

SENCR -0.264962259 6.889546783 -2.630827407 0.012166125 0.17534278 -3.755019133 stable

RPP38 0.282627634 8.809517477 2.630120016 0.012187543 0.175543906 -3.756622528 stable

ANAPC2 -0.147412664 8.776507243 -2.62871286 0.012230252 0.17605126 -3.759811138 stable

TRMT1L 0.184867648 9.024132994 2.627751926 0.012259497 0.176099207 -3.761987933 stable

ZNF445 0.174518677 7.645616005 2.627509496 0.012266885 0.176099207 -3.762537021 stable

PARD3 -0.226779295 6.459126626 -2.62749503 0.012267326 0.176099207 -3.762569782 stable

RLTPR -0.289008061 8.009547028 -2.627298829 0.012273309 0.176099207 -3.763014138 stable

FKTN -0.202839816 8.144245562 -2.627174643 0.012277097 0.176099207 -3.763295381 stable

SLC30A6 0.12185538 8.846189536 2.627128503 0.012278504 0.176099207 -3.76339987 stable

ALAS1 0.251519108 9.343510736 2.62661306 0.01229424 0.17621744 -3.764567079 stable

TTC21A -0.367040964 6.459279104 -2.625940354 0.012314805 0.176234309 -3.766090165 stable

EEF1E1 -0.101904199 9.849361812 -2.625916268 0.012315542 0.176234309 -3.766144693 stable

CLSTN3 0.316004469 7.258412315 2.62583936 0.012317895 0.176234309 -3.766318805 stable

ITPKB -0.561612171 8.658335946 -2.62536986 0.01233227 0.176332713 -3.767381619 stable

JAK1 0.16770703 12.88826799 2.624488432 0.012359298 0.176611816 -3.769376566 stable

ZNF14 0.348088306 7.852614218 2.623736533 0.012382398 0.176834472 -3.771077982 stable

C1orf186 /// LOC101929219 -0.268713574 5.753956885 -2.623110663 0.012401656 0.177002029 -3.772493957 stable

FOXN2 0.248625614 6.828662862 2.622642532 0.012416078 0.177100409 -3.773552909 stable

FARSA 0.128457982 8.998642072 2.622121672 0.012432143 0.177158229 -3.774730982 stable

TCEA3 -0.329062874 7.651737124 -2.622022779 0.012435196 0.177158229 -3.774954638 stable

TSEN15 0.175206766 9.516982168 2.621778202 0.012442747 0.177158513 -3.775507748 stable

SEPHS1 0.120371235 8.930027905 2.621076145 0.012464449 0.177294223 -3.777095249 stable

MIR4746 /// UBXN6 -0.134308292 8.891166141 -2.62088491 0.012470366 0.177294223 -3.777527622 stable

UBE2L3 0.175049273 8.427230929 2.620738683 0.012474892 0.177294223 -3.777858218 stable

HIPK1 0.149688823 3.571933293 2.618804955 0.012534891 0.178039361 -3.78222887 stable

SH3BP5L 0.219350049 7.788622594 2.618336171 0.012549477 0.178138951 -3.783288086 stable

PREP 0.133526803 9.253055156 2.617832499 0.012565165 0.17816058 -3.784425987 stable

ZNF416 0.486968907 4.957821924 2.617800904 0.01256615 0.17816058 -3.784497362 stable

ZFP1 0.215529461 7.833058562 2.616034276 0.012621322 0.178745143 -3.788487301 stable

TRUB1 0.180064644 8.924949099 2.615994112 0.012622579 0.178745143 -3.788577991 stable

ALS2CL -0.146581103 7.718501605 -2.614669267 0.012664105 0.179225272 -3.791568899 stable

IFITM1 0.168241905 13.27675353 2.613277847 0.012707852 0.179707194 -3.794708967 stable

ITPK1-AS1 0.281549676 3.361927716 2.6131005 0.012713438 0.179707194 -3.795109108 stable

CITED2 0.257806772 10.65887072 2.611530373 0.012762991 0.180299282 -3.798650905 stable

HMGA1 -0.140304197 11.37370657 -2.61123259 0.012772409 0.180324025 -3.799322458 stable

RABGGTB /// SNORD45A /// SNORD45B /// SNORD45C -0.19196829 11.38835097 -2.609964349 0.012812591 0.180782815 -3.802181968 stable

DDX23 0.136969361 9.560661251 2.608979176 0.012843885 0.181115716 -3.804402574 stable

CUL4A 0.091593996 10.72608632 2.608535327 0.012858007 0.181206214 -3.805402829 stable

ZNF557 0.715329215 4.999165029 2.607002892 0.012906873 0.181594056 -3.808855405 stable

YARS 0.133027968 10.42281689 2.606915241 0.012909673 0.181594056 -3.80905284 stable

ARFRP1 -0.127814072 8.644642685 -2.606724419 0.012915771 0.181594056 -3.809482651 stable

RAB27A 0.192781771 11.29047751 2.60670447 0.012916409 0.181594056 -3.809527584 stable

TBC1D9B -0.118758212 8.539354845 -2.60614869 0.012934186 0.181735358 -3.810779308 stable

MTIF2 -0.078673243 9.593512168 -2.604409761 0.012989952 0.182409949 -3.814694501 stable

LDB2 0.689525805 3.557205002 2.602941077 0.013037224 0.182834527 -3.817999818 stable

SPRY2 0.342747405 3.556905954 2.602766056 0.013042868 0.182834527 -3.818393619 stable

CIZ1 -0.105670377 10.14734118 -2.60274622 0.013043507 0.182834527 -3.818438251 stable

MCOLN2 0.463697737 6.03941044 2.602324887 0.013057104 0.182916102 -3.819386182 stable

DCUN1D1 0.145251593 9.370916309 2.601712653 0.013076884 0.183084154 -3.820763419 stable

ZNF358 -0.152977979 6.610906612 -2.601014386 0.013099477 0.183291368 -3.822333915 stable

N4BP2L2-IT2 -0.254639423 8.102772054 -2.600142605 0.013127734 0.183577548 -3.824294252 stable

MYEOV -0.268575573 4.665637939 -2.598851041 0.013169701 0.184054988 -3.82719769 stable

POLD4 -0.129172371 10.55532947 -2.598394032 0.013184581 0.184153515 -3.828224806 stable

MMD -0.338784749 13.30513798 -2.597548635 0.013212146 0.184359214 -3.830124481 stable

LOC101929715 -0.063000885 2.880831237 -2.597461681 0.013214984 0.184359214 -3.830319848 stable

IL21R 0.202882571 7.652827955 2.596082712 0.013260069 0.184807701 -3.833417501 stable

BZW1 0.118129905 11.70724066 2.595878935 0.013266743 0.184807701 -3.833875157 stable

DGKK 0.783656518 2.99830253 2.595698371 0.01327266 0.184807701 -3.834280661 stable

WDR36 0.141516433 9.3919149 2.595518387 0.01327856 0.184807701 -3.834684841 stable

AK128734 /// JAK1 0.702993595 5.409797025 2.595039753 0.013294262 0.184916818 -3.83575959 stable

SMIM3 -0.270530206 9.995594997 -2.593604191 0.013341459 0.185463628 -3.838982239 stable

KDM5A 0.171968055 10.57919027 2.592696928 0.013371366 0.185700733 -3.84101828 stable

ADAMTS7 -0.049031579 2.692967628 -2.592352208 0.013382746 0.185700733 -3.841791754 stable

PABPN1 -0.189741332 9.548442656 -2.591677545 0.013405043 0.185700733 -3.84330534 stable

PHRF1 0.11516685 8.260460646 2.591671451 0.013405245 0.185700733 -3.843319011 stable

KIAA1683 -0.390146182 4.599879646 -2.591287082 0.013417963 0.185700733 -3.844181206 stable

HDAC6 -0.091975472 9.518623263 -2.591237747 0.013419597 0.185700733 -3.844291866 stable

CTSK -0.298965261 7.432416523 -2.591176208 0.013421634 0.185700733 -3.844429895 stable

TREML2 -0.186734255 6.246552539 -2.591174938 0.013421676 0.185700733 -3.844432744 stable

DUS4L -0.207111479 7.889072634 -2.590408949 0.013447062 0.185942588 -3.846150649 stable

HLA-G 0.042252118 13.49584151 2.588784512 0.013501043 0.186562088 -3.849792639 stable

RP11-21L23.2 0.015707479 3.140221555 2.588516512 0.013509968 0.186562088 -3.850393341 stable

TUBB2A /// TUBB2B -0.198466339 5.932178647 -2.588345734 0.013515658 0.186562088 -3.850776104 stable

RNF6 0.160910116 11.70910233 2.587071975 0.013558168 0.187039097 -3.853630411 stable

TROAP -0.079920028 3.299480976 -2.58658101 0.013574585 0.187155816 -3.854730329 stable

IFITM1 /// IFITM2 0.167959401 13.40632726 2.585380163 0.013614818 0.187600553 -3.857419991 stable

TMEM39A 0.379272646 7.383460081 2.58293057 0.013697229 0.188533615 -3.862903875 stable

CUL5 0.064491845 10.7958323 2.582468957 0.01371281 0.188533615 -3.863936877 stable

NCOR1 0.104426686 10.81262721 2.582436692 0.013713899 0.188533615 -3.864009075 stable

PSIP1 -0.399699132 6.13635706 -2.582416061 0.013714596 0.188533615 -3.864055239 stable

EMC3 -0.277678938 5.307528032 -2.581522912 0.013744793 0.188720717 -3.866053536 stable

RP11-309G3.3 0.264996751 3.912667727 2.581441422 0.013747551 0.188720717 -3.866235835 stable

UMPS 0.23951003 8.078614326 2.580957993 0.013763923 0.188720717 -3.867317214 stable

UBE2E3 -0.107656803 12.25282591 -2.580839533 0.013767938 0.188720717 -3.867582174 stable

RAB32 -0.228903133 10.78725909 -2.580828147 0.013768324 0.188720717 -3.867607639 stable

TBC1D2B 0.17432468 9.642226572 2.579479699 0.013814101 0.189237899 -3.870623114 stable

KRBA1 -0.121979241 7.783852152 -2.578449191 0.013849179 0.189515349 -3.872926843 stable

PDCD1LG2 0.006020602 2.292637018 2.57841133 0.013850469 0.189515349 -3.87301147 stable

CSNK1D 0.145901671 11.14764781 2.576838402 0.013904173 0.190079033 -3.876526512 stable

USP24 0.115842615 10.36556741 2.576721797 0.013908161 0.190079033 -3.876787032 stable

TLR10 -0.474590275 8.917449956 -2.576495396 0.013915909 0.190079033 -3.877292832 stable

SMARCC2 -0.622069143 6.764858795 -2.576086228 0.013929921 0.190099044 -3.878206872 stable

NFKBIZ -0.406883241 11.21285675 -2.575980665 0.013933538 0.190099044 -3.878442672 stable

KLHL6 0.247244005 7.05393764 2.575479676 0.013950716 0.190223072 -3.879561657 stable

HMG20B -0.110196374 8.531327212 -2.574806293 0.013973836 0.190297861 -3.881065456 stable

TMEM168 0.121092171 9.899635409 2.574736963 0.013976219 0.190297861 -3.881220267 stable

LOC100130938 -0.546779138 7.626092465 -2.574613186 0.013980473 0.190297861 -3.881496649 stable

DEDD2 0.155633601 11.69486116 2.572696366 0.014046506 0.191086104 -3.885775542 stable

LOC202181 -0.278402615 7.537931001 -2.572147752 0.014065458 0.19123332 -3.886999793 stable

TMPRSS11D -0.069460157 2.886178923 -2.571416285 0.014090763 0.191466693 -3.888631799 stable

KIFC2 -0.304314518 8.129310773 -2.570875824 0.014109488 0.191610425 -3.889837436 stable

TIRAP 0.279614297 6.827883447 2.570190048 0.014133279 0.191822765 -3.891366974 stable

KIF3C -0.303372336 5.983511227 -2.568968604 0.014175745 0.192288177 -3.894090543 stable

AL832909 /// LINC00984 -0.267047356 10.57418707 -2.568209404 0.014202199 0.192535981 -3.895782943 stable

RP11-271C24.3 -0.357294064 9.869049098 -2.564632578 0.014327443 0.193906966 -3.903751608 stable

SDHC 0.134530813 10.04888863 2.564439036 0.014334248 0.193906966 -3.904182568 stable

LINC01289 0.010240966 2.83827404 2.564210918 0.014342274 0.193906966 -3.90469049 stable

SLC18B1 -0.193016284 9.76446241 -2.564173588 0.014343587 0.193906966 -3.904773605 stable

IGBP1 -0.098176215 10.96201843 -2.564146282 0.014344548 0.193906966 -3.904834401 stable

IGFALS -0.126586835 4.127652618 -2.563905386 0.014353029 0.193910162 -3.905370729 stable

RTN2 -0.375107533 6.691127258 -2.563345098 0.014372771 0.194065414 -3.906618012 stable

LOC102723692 -0.161088262 2.731175026 -2.56266642 0.014396718 0.194277231 -3.908128589 stable

RPS15A 0.028346722 15.60184878 2.562417852 0.014405498 0.194284247 -3.908681772 stable

ITGA5 0.171713297 10.1876545 2.561932612 0.014422652 0.194404125 -3.909761554 stable

SAV1 -0.279636246 9.366149522 -2.561439634 0.014440098 0.19452781 -3.910858407 stable

PIR 0.012511672 2.879031413 2.560652588 0.014467992 0.19479201 -3.912609241 stable

PRX -0.179812983 6.127550864 -2.560231973 0.014482919 0.194881432 -3.913544768 stable

HIST1H2AJ -0.21425522 7.804889579 -2.559721644 0.014501049 0.195013824 -3.914679691 stable

CDC14B -0.557597611 7.848285866 -2.559164401 0.01452087 0.195168784 -3.915918762 stable

CHMP6 -0.132851737 8.632382492 -2.558202769 0.014555132 0.195517565 -3.918056575 stable

STAB2 -0.009267348 2.170967338 -2.557684213 0.014573638 0.195654423 -3.919209147 stable

LINC00473 0.004806871 2.554120333 2.556673162 0.014609783 0.196027789 -3.921455887 stable

NIPA1 0.267050286 5.196469734 2.555875443 0.01463836 0.196291469 -3.923228122 stable

SMIM5 -0.52793892 8.283637869 -2.555636294 0.014646936 0.196291469 -3.923759346 stable

TARDBPP1 /// TARDBPP1 0.007541168 2.81388683 2.555426306 0.014654471 0.196291469 -3.924225765 stable

MAP1B -0.329884231 5.005024635 -2.554370766 0.0146924 0.196687505 -3.926569886 stable

NFATC1 -0.193742771 7.634834415 -2.553950747 0.014707518 0.196777888 -3.927502466 stable

GPX1 -0.197735701 13.94448388 -2.55298864 0.0147422 0.197129787 -3.929638248 stable

RP1-151F17.2 0.24489091 4.205883467 2.552174686 0.014771601 0.197410693 -3.9314447 stable

LOC101928222 0.012025498 2.925669057 2.551549731 0.014794211 0.197530091 -3.932831417 stable

WASL 0.249936185 5.720478243 2.551463554 0.014797331 0.197530091 -3.933022619 stable

ARHGDIB -0.124427824 8.207820172 -2.550369567 0.014836994 0.197947209 -3.935449437 stable

SRM -0.147865079 9.924120277 -2.549707209 0.014861055 0.198155825 -3.936918405 stable

CCDC47 0.179181889 9.894163902 2.549148211 0.014881389 0.198206702 -3.938157932 stable

IGH /// IGHA2 /// IGHD /// IGHG1 -0.327514315 6.824936194 -2.548958369 0.014888301 0.198206702 -3.938578846 stable

SRPR 0.084577722 10.43969483 2.548856617 0.014892007 0.198206702 -3.93880444 stable

TMEM242 -0.217746578 2.89507742 -2.548543288 0.014903423 0.198206702 -3.939499075 stable

GPCPD1 -0.146917955 12.0078948 -2.548445034 0.014907005 0.198206702 -3.939716889 stable

EXTL2 0.362989065 6.221791012 2.547566096 0.014939079 0.198499481 -3.941665081 stable

MAD2L1BP 0.281686719 8.219355167 2.547379329 0.014945903 0.198499481 -3.942078994 stable

TRMT6 -0.125516841 9.013667763 -2.545285469 0.0150226 0.199329335 -3.946717936 stable

EPB41L4A-AS1 -0.187576908 11.45334813 -2.545210962 0.015025335 0.199329335 -3.946882955 stable

LIN52 0.218216954 7.933238602 2.544377388 0.015055974 0.199524343 -3.948728944 stable

LOC441124 -0.234306955 8.246276079 -2.544349479 0.015057001 0.199524343 -3.948790742 stable

LINC01146 0.045176677 3.406770593 2.543955009 0.01507152 0.199537102 -3.949664157 stable

CNOT1 0.099046351 8.486147877 2.543785724 0.015077755 0.199537102 -3.95003895 stable

CWC25 0.135182807 8.673126111 2.543632157 0.015083413 0.199537102 -3.950378928 stable

SPARC -0.456036825 13.10011674 -2.543033688 0.015105482 0.199716725 -3.951703724 stable

BTD 0.235406924 6.352981781 2.540757001 0.015189707 0.200717476 -3.95674147 stable

ZBTB2 0.160595733 9.347883732 2.540413535 0.015202451 0.200773076 -3.957501198 stable

RC3H1 -0.27058665 6.256552731 -2.539807756 0.015224951 0.200887001 -3.958840967 stable

KLRC4 0.524013146 8.839621578 2.539655835 0.015230598 0.200887001 -3.959176928 stable

TMEM33 0.265395332 9.283488852 2.539491767 0.0152367 0.200887001 -3.959539735 stable

FAXDC2 -0.544653945 8.601390416 -2.539239439 0.015246087 0.200892596 -3.960097679 stable

FAH -0.323930924 7.352436036 -2.539021334 0.015254206 0.200892596 -3.960579919 stable

ASCC3 0.129210084 9.447447215 2.538061726 0.015289973 0.201082762 -3.9627013 stable

ETNK1 0.348691577 7.82700232 2.538056815 0.015290156 0.201082762 -3.962712156 stable

GGACT 0.274280063 5.874959595 2.537945964 0.015294293 0.201082762 -3.962957174 stable

LPIN2 0.179281687 10.59820084 2.535827149 0.015373559 0.20199917 -3.967639016 stable

TGDS 0.119787592 8.973704378 2.535624209 0.015381171 0.20199917 -3.968087295 stable

RNF149 0.229005673 12.59556774 2.534337037 0.01542953 0.202521185 -3.970929973 stable

MID1IP1 0.292724091 10.14676182 2.532240922 0.015508578 0.203358637 -3.975556976 stable

NABP1 0.196587507 3.685432378 2.532184321 0.015510718 0.203358637 -3.975681881 stable

NUP88 -0.155117533 10.86865115 -2.531745483 0.015527316 0.203358637 -3.976650219 stable

SETD4 0.230092274 6.25390166 2.531729626 0.015527916 0.203358637 -3.976685205 stable

IQGAP1 0.131343397 13.42481881 2.531035252 0.015554214 0.20357338 -3.978217157 stable

RP1-193H18.2 0.262093579 5.92555883 2.530839802 0.015561623 0.20357338 -3.978648311 stable

ZC3H7A -0.072053639 10.07947252 -2.530061065 0.015591177 0.203846623 -3.980365937 stable

IL12RB1 0.232789522 10.31229447 2.529325607 0.015619136 0.204098716 -3.981987757 stable

PRORSD1P -0.221925767 4.728993638 -2.528734246 0.015641649 0.204240621 -3.983291573 stable

TUBB1 -0.391418992 12.92225497 -2.528584324 0.015647362 0.204240621 -3.983622081 stable

AGAP1 0.946733598 4.678332322 2.528244802 0.015660306 0.204296201 -3.984370521 stable

ZNF628 -0.220976876 6.939479993 -2.527135476 0.015702665 0.204735251 -3.986815406 stable

TNFSF4 -0.365777177 9.262921587 -2.526806524 0.015715247 0.204785769 -3.987540247 stable

NAA40 0.301022943 7.780969653 2.526563184 0.015724559 0.204793665 -3.988076402 stable

BTLA -0.294357688 8.714965911 -2.525727323 0.015756587 0.204964113 -3.989917783 stable

LINC00896 -0.044142382 3.503454726 -2.525686187 0.015758164 0.204964113 -3.990008394 stable

CLDN5 -0.315580472 8.840357921 -2.525539565 0.015763789 0.204964113 -3.99033135 stable

ANKRD39 0.235994801 6.384258666 2.523945794 0.015825048 0.205535236 -3.993840998 stable

BBS1 -0.115652632 8.385588364 -2.523500433 0.015842204 0.205535236 -3.994821446 stable

AATF -0.084481922 9.829821377 -2.523499961 0.015842223 0.205535236 -3.994822484 stable

OSTM1 0.157852095 10.03557355 2.523488417 0.015842668 0.205535236 -3.994847895 stable

RP11-496I2.2 0.012241811 2.829937017 2.522866508 0.015866655 0.205581012 -3.996216797 stable

OSER1 -0.13636583 9.54934885 -2.522609715 0.015876569 0.205581012 -3.99678196 stable

TNFAIP8L2 0.311989862 10.37492577 2.522298427 0.015888595 0.205581012 -3.997467004 stable

ZNF419 0.271077418 6.937000092 2.52229691 0.015888653 0.205581012 -3.997470342 stable

HNRNPK -0.106490185 13.02186247 -2.522264717 0.015889897 0.205581012 -3.997541186 stable

HBA1 /// HBA2 -0.255300602 15.43399752 -2.5208391 0.015945083 0.20606124 -4.000677704 stable

RCOR3 -0.142538271 10.16887455 -2.520629698 0.015953203 0.20606124 -4.001138306 stable

LOC100996782 /// MED18 0.301635102 3.492302701 2.520627266 0.015953298 0.20606124 -4.001143656 stable

GRAMD1A -0.17020963 8.993423235 -2.518353159 0.016041732 0.20708978 -4.006144024 stable

ZNF75A -0.166638682 9.389319916 -2.517572134 0.016072207 0.207288213 -4.007860616 stable

KLHL7 0.153710099 8.041671156 2.517507566 0.016074729 0.207288213 -4.008002512 stable

C12orf73 -0.216178411 6.781256287 -2.516762098 0.01610387 0.20755021 -4.00964057 stable

GINS4 -0.102590966 2.506392796 -2.516326539 0.016120919 0.207570023 -4.010597488 stable

C14orf119 0.239623726 10.51505406 2.516271943 0.016123057 0.207570023 -4.010717426 stable

DDX52 -0.418468539 3.562830327 -2.515950051 0.016135669 0.207618749 -4.011424532 stable

BOD1 0.120653806 9.882844766 2.513410174 0.016235498 0.208778521 -4.017001648 stable

LIMS1 /// LIMS3L -0.377079237 12.0835684 -2.513205774 0.016243557 0.208778521 -4.017450298 stable

HMGXB4 -0.102810177 9.205165989 -2.512904401 0.016255445 0.208817211 -4.018111753 stable

SSBP3 0.192060101 9.302338249 2.51252603 0.016270381 0.208843313 -4.018942124 stable

DBT 0.240498498 6.538905 2.512387842 0.01627584 0.208843313 -4.019245367 stable

BYSL 0.349154141 6.16475653 2.512178447 0.016284114 0.208843313 -4.019704847 stable

ITPR1 -0.135043239 10.56841461 -2.511936984 0.01629366 0.208851862 -4.02023466 stable

C5orf51 0.15823825 9.826546755 2.511643132 0.016305284 0.208887023 -4.020879375 stable

SLC35A2 0.296506151 6.372972809 2.5100133 0.016369893 0.209498788 -4.024454267 stable

PAN2 -0.163302017 9.23841607 -2.509989185 0.01637085 0.209498788 -4.024507149 stable

IFRD2 -0.137527923 8.738859161 -2.509703107 0.016382216 0.209530231 -4.025134458 stable

RP11-65L19.4 -0.080387647 3.581654736 -2.508421631 0.016433214 0.209907427 -4.027943844 stable

PLEC -0.161811542 9.374862489 -2.508416713 0.01643341 0.209907427 -4.027954622 stable

ADI1 -0.200819351 10.81858384 -2.507921937 0.01645314 0.209907427 -4.029039046 stable

THUMPD1 -0.167795306 11.20539631 -2.507891879 0.016454339 0.209907427 -4.029104919 stable

NPR1 -0.135839496 6.742938296 -2.507842031 0.016456328 0.209907427 -4.029214165 stable

CDKN2AIPNL -0.297514405 3.174005583 -2.507129301 0.016484792 0.210045996 -4.030775982 stable

BLOC1S3 0.254498356 8.190825442 2.50712279 0.016485052 0.210045996 -4.030790248 stable

PTCH1 0.310954589 3.460278011 2.50605615 0.016527734 0.210475814 -4.033126993 stable

SNX24 0.199020083 5.08576002 2.502996659 0.01665072 0.211840682 -4.039825622 stable

GSTCD 0.198355472 4.001239031 2.502942029 0.016652924 0.211840682 -4.039945178 stable

KDELC2 0.23686777 7.481703551 2.502638799 0.01666516 0.211881745 -4.040608758 stable

PRR7 -0.290234267 6.225233617 -2.501795725 0.016699223 0.21219647 -4.04245341 stable

WRAP73 0.093640194 8.601317162 2.501579816 0.016707957 0.21219647 -4.042925749 stable

REPIN1 -0.112831238 10.42387599 -2.500862012 0.016737023 0.212337163 -4.04449586 stable

CCNL1 -0.209939342 12.26286579 -2.500860358 0.01673709 0.212337163 -4.044499479 stable

ARRDC4 0.300817724 9.546722155 2.500563123 0.01674914 0.212373962 -4.045149549 stable

IL13 -0.042907294 3.443849571 -2.50034347 0.016758049 0.212373962 -4.045629908 stable

SETD1A -0.154290687 7.53983229 -2.499956168 0.016773769 0.212458712 -4.046476826 stable

ARMCX6 -0.152180431 10.77508283 -2.499599131 0.016788273 0.212527969 -4.047257477 stable

BC043356 0.630174442 4.249150769 2.49871987 0.016824039 0.212777048 -4.049179618 stable

PREX1 0.144000509 11.49618886 2.498565908 0.016830309 0.212777048 -4.049516141 stable

HIAT1 0.11785825 10.77075293 2.498280015 0.016841957 0.212777048 -4.050140996 stable

LIAS -0.1633436 7.938327209 -2.498226628 0.016844134 0.212777048 -4.050257674 stable

RNF146 0.251684588 9.102263652 2.497674352 0.016866659 0.212893945 -4.051464576 stable

ZNF808 0.198442212 5.856893888 2.497470689 0.016874972 0.212893945 -4.051909598 stable

LOC101927451 -0.368442584 6.483424128 -2.497334319 0.016880541 0.212893945 -4.052207563 stable

NEDD1 0.174673716 8.111766631 2.496866398 0.016899662 0.21302087 -4.053229873 stable

VPS4B 0.132754385 11.10947453 2.496474985 0.016915671 0.213108464 -4.054084921 stable

IGH /// IGHA1 /// IGHA2 /// IGHD /// IGHG1 /// IGHG3 /// IGHG4 /// IGHM /// IGHV4-31 -0.506776681 10.15594302 -2.496081102 0.016931796 0.213197411 -4.054945269 stable

GPSM3 -0.087099057 12.32385643 -2.495347032 0.016961884 0.213461994 -4.056548417 stable

RP11-359E8.5 0.00628087 2.380568698 2.494533628 0.01699528 0.213767909 -4.058324425 stable

BRF2 0.376185374 7.105492818 2.49351056 0.017037371 0.214182788 -4.060557631 stable

JUN -0.511372629 9.734784097 -2.491737945 0.017110523 0.214987509 -4.064425422 stable

ABHD15 0.216483834 8.606139754 2.490450982 0.017163813 0.215432226 -4.067232292 stable

SORL1 0.138763874 12.86130409 2.490256242 0.01717189 0.215432226 -4.067656929 stable

MED7 0.187195794 8.658988041 2.490176846 0.017175184 0.215432226 -4.06783005 stable

RP11-152L20.3 -0.526117575 3.135230352 -2.489819723 0.017190007 0.215432226 -4.068608688 stable

RP9 /// RP9P -0.132644976 8.894237544 -2.489778634 0.017191713 0.215432226 -4.068698271 stable

GHR 0.008970545 2.811689127 2.489058847 0.017221628 0.215692179 -4.070267367 stable

DEFA6 0.007983909 2.76121104 2.488456038 0.017246717 0.215891454 -4.071581206 stable

LOC284930 0.005750686 2.492131895 2.487948913 0.01726785 0.215956438 -4.072686322 stable

TMEM14B /// TMEM14C -0.107719937 12.14019464 -2.487890843 0.017270272 0.215956438 -4.072812856 stable

SLC7A6OS 0.157876833 7.741718713 2.487478326 0.017287482 0.216056778 -4.073711669 stable

C1orf64 -0.022082458 2.77921188 -2.486945417 0.017309737 0.216220039 -4.074872639 stable

C19orf60 -0.108968389 8.525705385 -2.486371567 0.017333732 0.216362034 -4.076122601 stable

C5orf24 0.211175342 5.642551767 2.486233676 0.017339502 0.216362034 -4.076422923 stable

ACTR2 0.137036309 12.58566084 2.485790892 0.017358043 0.216478543 -4.077387215 stable

DNER 0.010903281 2.783865622 2.484823872 0.017398598 0.216869329 -4.079492755 stable

LINC01339 -0.128272586 3.463821181 -2.484457473 0.017413987 0.216914966 -4.080290377 stable

ZNF549 0.164691514 3.340579216 2.484297633 0.017420704 0.216914966 -4.080638311 stable

MED28 0.136004094 10.35588646 2.484054004 0.017430946 0.216927667 -4.081168601 stable

CES4A -0.080631292 2.958643832 -2.483676595 0.017446825 0.217010449 -4.081990009 stable

H2AFJ -0.394245862 7.000316928 -2.48331808 0.01746192 0.217083413 -4.082770209 stable

MTHFD1 -0.136249528 8.803664342 -2.482304529 0.01750466 0.217483468 -4.084975461 stable

CRELD1 0.134292269 7.568948124 2.482116663 0.017512593 0.217483468 -4.085384143 stable

WFDC5 0.00646538 2.720204052 2.48170569 0.017529957 0.217584232 -4.08627809 stable

EBAG9 -0.101153793 10.79899698 -2.481266045 0.01754855 0.217700133 -4.087234287 stable

ARHGAP30 0.06276 12.9888287 2.480988256 0.017560308 0.217731153 -4.087838394 stable

RNF169 0.093038918 9.886545709 2.480124673 0.017596905 0.217959917 -4.089716118 stable

GTF2IRD2B -0.190794262 4.663569081 -2.480115565 0.017597291 0.217959917 -4.089735919 stable

LOC100506459 0.24819649 6.061478094 2.479681604 0.017615708 0.218059889 -4.090679317 stable

PLEKHG3 0.197915747 4.570014025 2.479374628 0.017628746 0.218059889 -4.091346587 stable

CYB5B 0.139530218 8.706549043 2.479080149 0.017641262 0.218059889 -4.091986638 stable

EXD2 0.205599349 4.936991539 2.478878164 0.017649852 0.218059889 -4.092425619 stable

C20orf196 0.439329236 4.434402901 2.478834321 0.017651717 0.218059889 -4.092520901 stable

AHNAK 0.132888409 13.36004483 2.478606122 0.017661426 0.218065307 -4.093016818 stable

ACIN1 -0.115883634 9.935823791 -2.478219952 0.017677869 0.218153804 -4.093855959 stable

AMACR /// C1QTNF3-AMACR 0.213488056 5.819627141 2.477801016 0.017695722 0.218259609 -4.094766192 stable

SERPINH1 0.198776817 3.684004681 2.477228809 0.017720133 0.21844615 -4.09600926 stable

LOC100506472 -0.088920068 6.448449294 -2.476203605 0.017763947 0.218769037 -4.098235906 stable

DOLK 0.507998797 6.266778266 2.476180689 0.017764928 0.218769037 -4.09828567 stable

ABLIM3 -0.482296361 8.390864921 -2.475728703 0.017784276 0.218809685 -4.099267123 stable

ILF3-AS1 -0.375217105 8.708619518 -2.475668991 0.017786834 0.218809685 -4.099396773 stable

LOC100505515 -0.019942137 2.254791148 -2.475152896 0.017808953 0.21896727 -4.100517255 stable

NAP1L1 -0.199754493 8.126423367 -2.474765132 0.017825589 0.219057302 -4.101359008 stable

FAM212A -0.193321965 6.514515922 -2.47454351 0.017835103 0.219059771 -4.101840061 stable

FCRLA -0.577402679 9.959653558 -2.472832556 0.017908711 0.219833025 -4.105552802 stable

SERTAD1 0.390976262 8.568433668 2.472646042 0.017916751 0.219833025 -4.105957421 stable

ARHGEF19 -0.205249222 5.820864066 -2.47236311 0.017928955 0.219868066 -4.106571166 stable

EXTL3 0.216705559 5.418182991 2.471985038 0.017945274 0.219953515 -4.107391212 stable

CNTNAP2 -0.452933153 3.344003811 -2.470196897 0.018022641 0.220766981 -4.111268495 stable

VIPR1 -0.256453642 9.423571256 -2.470017631 0.018030414 0.220766981 -4.111657091 stable

N4BP3 -0.213179934 4.191905357 -2.469180779 0.01806674 0.221096669 -4.11347087 stable

CYB5R3 -0.195741581 10.03535538 -2.468842158 0.018081458 0.221161714 -4.114204665 stable

PHF1 -0.215401397 8.644663516 -2.468175136 0.018110482 0.221338076 -4.115649894 stable

C7orf63 -0.018593166 3.16269993 -2.468078327 0.018114697 0.221338076 -4.115859625 stable

ETV3 -0.481505375 6.348024298 -2.467402137 0.018144169 0.221583075 -4.117324388 stable

TSPAN5 0.268338401 7.353106197 2.467042109 0.018159879 0.221618957 -4.118104161 stable

AHCTF1 /// AHCTF1P1 0.254406521 7.920739215 2.466903009 0.018165952 0.221618957 -4.118405412 stable

DMRTC1 /// DMRTC1B -0.367475622 4.900307397 -2.466081313 0.018201863 0.221903619 -4.120184716 stable

IST1 0.266617976 4.357916738 2.465769717 0.018215498 0.221903619 -4.120859336 stable

PRKG2 -0.059990124 3.383877969 -2.465721975 0.018217588 0.221903619 -4.120962695 stable

ALDH3A1 -0.07668014 4.075839198 -2.465225047 0.018239354 0.222053754 -4.122038422 stable

CCDC84 -0.256626777 9.683925374 -2.464794968 0.018258212 0.222135053 -4.12296931 stable

SIPA1 0.122305754 10.70701837 2.464488978 0.018271639 0.222135053 -4.123631542 stable

CDADC1 0.131901732 3.714860774 2.464426887 0.018274365 0.222135053 -4.123765915 stable

SSB -0.119679607 10.63126703 -2.463277396 0.018324893 0.222588291 -4.126253094 stable

EREG 0.268064281 2.836798278 2.463003567 0.018336948 0.222588291 -4.12684546 stable

PMAIP1 -0.256901957 10.58537569 -2.462933341 0.018340041 0.222588291 -4.12699737 stable

STAG1 0.104616854 9.257238195 2.459807552 0.018478189 0.22414929 -4.133755762 stable

LRRC8D -0.106292606 11.69244803 -2.457848961 0.018565232 0.225015826 -4.137987328 stable

GAL3ST1 0.005901071 2.502483101 2.457264041 0.018591299 0.225015826 -4.139250583 stable

SERPINB9P1 -0.407834539 6.722607475 -2.457043318 0.018601144 0.225015826 -4.139727221 stable

PTPMT1 -0.143989484 8.446790195 -2.45699013 0.018603517 0.225015826 -4.139842073 stable

ZNF92 0.177536568 5.173897702 2.456945575 0.018605506 0.225015826 -4.139938282 stable

KCTD9 0.148562645 8.429782341 2.456911579 0.018607023 0.225015826 -4.140011691 stable

GPD1 -0.117573132 3.498021285 -2.455948429 0.018650051 0.225420275 -4.142091114 stable

GGTA1P -0.449473849 10.32982541 -2.455206536 0.018683257 0.225705642 -4.143692446 stable

STRADB -0.295576409 9.250925787 -2.454549808 0.018712695 0.225945231 -4.145109658 stable

NTAN1 -0.099971007 10.28157771 -2.454078621 0.018733843 0.226084515 -4.146126306 stable

LOC101929740 /// ZNF37A 0.175306183 5.548601542 2.453429249 0.018763023 0.226223904 -4.147527177 stable

TBC1D19 0.118405775 2.449384705 2.453156173 0.018775306 0.226223904 -4.148116195 stable

HIST1H2AM -0.515219356 4.27692664 -2.453092513 0.018778171 0.226223904 -4.148253503 stable

ZNF76 -0.151217242 8.466344964 -2.452966004 0.018783865 0.226223904 -4.148526358 stable

REPS2 -0.240226482 6.572005956 -2.449330988 0.018948138 0.228085543 -4.15636201 stable

PFKM -0.176102103 7.854666993 -2.448495888 0.018986061 0.228425142 -4.158160957 stable

MIR6836 /// SNX8 -0.23019059 6.343850478 -2.447415461 0.019035228 0.228899592 -4.160487718 stable

KLHL23 /// PHOSPHO2 /// PHOSPHO2-KLHL23 0.066011244 3.527571923 2.446634286 0.019070849 0.22921075 -4.162169556 stable

MIB1 0.135052557 9.973293284 2.44589645 0.019104549 0.229498517 -4.163757727 stable

ISCA1 -0.101069262 11.0261455 -2.445221696 0.019135415 0.229751966 -4.165209809 stable

SRP19 /// ZRSR1 0.201107203 3.909449196 2.444732782 0.019157809 0.229754986 -4.166261778 stable

CR2 -0.487512058 8.087789493 -2.444567314 0.019165393 0.229754986 -4.166617772 stable

SUPT7L 0.10137287 8.502300158 2.444450339 0.019170756 0.229754986 -4.166869426 stable

DDX20 0.162134994 9.395866737 2.444363484 0.019174739 0.229754986 -4.167056276 stable

SLC15A2 -0.356301296 8.552252615 -2.443692989 0.019205513 0.229923298 -4.168498534 stable

MAPK7 0.221820686 7.956053487 2.443386566 0.019219591 0.229923298 -4.169157565 stable

H19 /// MIR675 0.011398478 2.595404761 2.443171173 0.019229493 0.229923298 -4.169620779 stable

TCF12 0.108351207 9.62014664 2.443125019 0.019231616 0.229923298 -4.169720032 stable

RELA -0.055632815 10.84902276 -2.442993556 0.019237662 0.229923298 -4.170002732 stable

NIF3L1 0.149079658 9.539293745 2.442049123 0.019281151 0.230298744 -4.172033327 stable

CCR5 0.398884403 9.942626854 2.441886279 0.019288658 0.230298744 -4.172383393 stable

KCNAB3 -0.06791859 2.935125655 -2.441058401 0.019326866 0.230637861 -4.174162827 stable

TTC16 0.241685009 6.877433611 2.440243204 0.019364557 0.230923622 -4.175914576 stable

MEST -0.405496049 7.779494804 -2.440115911 0.019370448 0.230923622 -4.176188073 stable

RP3-388M5.9 0.005820076 2.268270463 2.439207364 0.019412544 0.230950731 -4.178139839 stable

TST -0.318550916 8.744881383 -2.439122412 0.019416485 0.230950731 -4.178322308 stable

FAM63A -0.288548227 9.173204458 -2.439103408 0.019417366 0.230950731 -4.178363125 stable

TCTA -0.111666582 9.318252335 -2.439044769 0.019420087 0.230950731 -4.178489073 stable

C3orf62 /// MIR4271 /// USP4 -0.076121515 10.00072718 -2.43900749 0.019421816 0.230950731 -4.178569143 stable

BAZ1B 0.091214001 10.15977112 2.437504105 0.019491687 0.231664458 -4.181797397 stable

TARS 0.114664272 10.06382721 2.436882749 0.019520631 0.231762746 -4.183131223 stable

CLIP2 -0.256025832 7.700701998 -2.436783153 0.019525274 0.231762746 -4.183344997 stable

C19orf26 0.030529463 2.902344479 2.436692163 0.019529517 0.231762746 -4.183540292 stable

RBM14 0.11942603 9.178363736 2.436103122 0.019557003 0.231971895 -4.184804449 stable

ADA 0.287937342 9.950502278 2.435791719 0.019571548 0.232027411 -4.185472668 stable

ZNF550 0.179554381 5.907493753 2.435372184 0.019591159 0.232028071 -4.186372825 stable

CHD9 0.1354907 9.436860496 2.435368469 0.019591333 0.232028071 -4.186380796 stable

SCAF8 0.098734194 11.50007913 2.435058588 0.01960583 0.232082906 -4.187045603 stable

RP11-326I11.3 -0.241149859 5.647396084 -2.434675163 0.019623781 0.232109172 -4.187868102 stable

DCBLD2 0.008233608 2.726392379 2.434444376 0.019634594 0.232109172 -4.188363127 stable

TAGLN2 -0.168158017 13.37415658 -2.434285477 0.019642041 0.232109172 -4.188703938 stable

ZNF395 -0.192744388 9.948245075 -2.434086447 0.019651373 0.232109172 -4.189130797 stable

ATXN2L -0.209394921 8.725502503 -2.433958158 0.01965739 0.232109172 -4.189405924 stable

GLYAT 0.00607978 2.312904285 2.433416746 0.019682803 0.23225115 -4.190566918 stable

HLA-DOA -0.405064691 7.688425518 -2.433061979 0.019699471 0.23225115 -4.191327569 stable

ID2 0.221884967 13.48055774 2.43281382 0.019711137 0.23225115 -4.191859597 stable

PSMD6-AS2 -0.318368749 7.492417004 -2.432672365 0.019717791 0.23225115 -4.192162844 stable

PAPSS1 -0.144582982 10.75795331 -2.43249342 0.01972621 0.23225115 -4.192546444 stable

VCP -0.108949258 9.89559247 -2.432426697 0.01972935 0.23225115 -4.19268947 stable

MGLL -0.438581924 9.425455013 -2.432154571 0.019742162 0.23225115 -4.193272765 stable

CCDC106 -0.110687549 5.961589144 -2.432021958 0.019748408 0.23225115 -4.193557001 stable

LINC00629 0.026732489 3.23231443 2.431437413 0.019775961 0.232458965 -4.194809749 stable

PEG10 -0.36104201 3.327524979 -2.430762417 0.019807822 0.232552614 -4.196256071 stable

IL2RA -0.344490846 7.225925123 -2.430721737 0.019809744 0.232552614 -4.196343227 stable

MEF2C -0.255653107 8.880081091 -2.430435577 0.019823266 0.232552614 -4.19695629 stable

ZNF512 -0.15929399 10.20044346 -2.430431122 0.019823477 0.232552614 -4.196965833 stable

KIAA0226L -0.431276742 9.394892953 -2.429611932 0.019862234 0.232891124 -4.198720549 stable

TBL1XR1 0.150936336 10.59694123 2.428951809 0.019893515 0.232916438 -4.200134227 stable

CENPL 0.365058376 5.264122469 2.428848683 0.019898406 0.232916438 -4.200355049 stable

HNRNPUL2 /// HNRNPUL2-BSCL2 0.137327158 6.173392587 2.428837428 0.01989894 0.232916438 -4.200379149 stable

ZNF189 0.176620796 9.074382143 2.428730703 0.019904002 0.232916438 -4.200607671 stable

PRKAR2B -0.351378227 12.75428421 -2.428054772 0.019936094 0.233175971 -4.202054814 stable

HLCS 0.236231948 3.946146891 2.427342037 0.019969985 0.233366057 -4.203580432 stable

IGHA1 /// IGHA2 /// IGHG1 /// IGHG3 /// IGHM /// IGHV3-23 /// IGHV4-31 -0.471516986 12.18549194 -2.427199883 0.01997675 0.233366057 -4.203884676 stable

ALOX12 -0.479646933 9.797948874 -2.427087273 0.019982111 0.233366057 -4.204125679 stable

BAG6 -0.06343157 11.81255193 -2.42666765 0.0200021 0.233483565 -4.205023664 stable

METTL22 -0.220265669 8.394492523 -2.426192299 0.020024764 0.233493081 -4.206040769 stable

FBRSL1 -0.112040121 9.865819006 -2.426101551 0.020029094 0.233493081 -4.206234926 stable

BTN3A1 0.167673096 10.54443048 2.426026066 0.020032696 0.233493081 -4.206396423 stable

ENO1-AS1 -0.078322196 2.547120174 -2.425619567 0.020052103 0.233533675 -4.207266046 stable

CD40 -0.363787639 8.397359688 -2.425537233 0.020056036 0.233533675 -4.207442172 stable

ANAPC5 -0.102244152 12.13330389 -2.424855166 0.020088644 0.233718716 -4.20890104 stable

MGARP 0.008293498 2.514140477 2.424789186 0.020091801 0.233718716 -4.209042149 stable

NRGN -0.302091409 14.55689319 -2.424143844 0.020122701 0.233802783 -4.210422165 stable

TMEM102 0.098884813 5.391977125 2.424069786 0.02012625 0.233802783 -4.210580514 stable

NCKIPSD -0.173706846 4.875248647 -2.423832164 0.020137641 0.233802783 -4.211088572 stable

ACTR3 0.109394775 13.5096697 2.423601133 0.020148721 0.233802783 -4.211582501 stable

LOC100507291 -0.111062807 2.654015021 -2.423600983 0.020148728 0.233802783 -4.211582823 stable

DPH7 -0.09677448 8.39892758 -2.423269618 0.02016463 0.233871929 -4.212291199 stable

RPL9 0.036646106 15.54404683 2.422333943 0.020209594 0.233892564 -4.214291061 stable

GEMIN5 0.194591866 8.102131358 2.422308216 0.020210832 0.233892564 -4.214346041 stable

PPIEL -0.087846978 5.786354034 -2.422234334 0.020214386 0.233892564 -4.214503926 stable

CXorf58 0.005282931 2.306764893 2.422207621 0.020215672 0.233892564 -4.214561011 stable

ACBD4 -0.19053786 7.856513555 -2.422198106 0.02021613 0.233892564 -4.214581345 stable

CDH4 0.006997271 2.220508482 2.421806593 0.020234976 0.233995513 -4.21541794 stable

CNKSR2 -0.30114284 3.760879581 -2.42153297 0.020248157 0.233996576 -4.216002567 stable

HOXB4 0.159831687 6.321272607 2.421391716 0.020254965 0.233996576 -4.216304352 stable

BAALC 0.005400769 2.375311681 2.420939979 0.02027675 0.234133252 -4.217269392 stable

GGPS1 0.36296139 6.473940455 2.420454327 0.020300194 0.234218707 -4.218306737 stable

ZBTB33 0.091847364 5.526014427 2.420374162 0.020304066 0.234218707 -4.218477955 stable

MZB1 -0.483986339 8.644172314 -2.420131833 0.020315776 0.234224751 -4.218995495 stable

FOXR2 0.010451787 2.918514817 2.419719515 0.020335713 0.234224751 -4.219875993 stable

RBM34 -0.035632871 2.324241744 -2.419629331 0.020340076 0.234224751 -4.220068564 stable

TRMT5 -0.063125357 12.79295819 -2.419329245 0.0203546 0.234224751 -4.220709306 stable

P2RY11 /// PPAN-P2RY11 0.22454256 5.452089016 2.419186016 0.020361536 0.234224751 -4.221015108 stable

SSTR1 0.007319474 2.329505121 2.419128148 0.020364339 0.234224751 -4.221138655 stable

GRAP2 -0.323115939 10.56165709 -2.41841297 0.020399007 0.234345022 -4.222665369 stable

AP5S1 -0.151179368 7.647007485 -2.418391919 0.020400028 0.234345022 -4.222710301 stable

C15orf45 0.00657484 2.857408434 2.418250192 0.020406905 0.234345022 -4.223012811 stable

SGPP1 0.201869019 10.2595786 2.417962112 0.02042089 0.234345022 -4.223627661 stable

CHMP2B 0.190414387 10.31052351 2.417825771 0.020427511 0.234345022 -4.223918634 stable

CCDC71 -0.120623993 7.255576772 -2.417680364 0.020434575 0.234345022 -4.224228943 stable

IPO4 -0.148457532 7.995142143 -2.417245151 0.020455731 0.234450855 -4.225157639 stable

AL833181 -0.38250582 8.869735795 -2.417080531 0.020463739 0.234450855 -4.225508887 stable

PTOV1 -0.125281605 8.932686807 -2.415861512 0.020523124 0.234961234 -4.228109349 stable

LOC100507616 -0.456800884 4.931371654 -2.415756118 0.020528266 0.234961234 -4.228334136 stable

SPRN -0.063860163 3.416363491 -2.415220155 0.020554431 0.235146286 -4.229477133 stable

TNFRSF13B -0.323158055 7.292933968 -2.414686936 0.020580492 0.235246978 -4.230614092 stable

RRN3P3 0.034934094 2.484477801 2.41439442 0.020594801 0.235246978 -4.231237733 stable

RHOQ -0.264702465 8.829099797 -2.414356517 0.020596656 0.235246978 -4.231318539 stable

ELOF1 -0.102886057 9.129453185 -2.414179137 0.020605338 0.235246978 -4.23169668 stable

C17orf89 -0.034259098 3.563011118 -2.414017753 0.02061324 0.235246978 -4.232040702 stable

RPS3 0.06277838 15.66681327 2.412940351 0.020666065 0.23567184 -4.234336967 stable

DPH5 -0.146339667 10.03519076 -2.412759638 0.020674938 0.23567184 -4.234722049 stable

RBM39 0.110946245 12.91852762 2.412645832 0.020680527 0.23567184 -4.234964546 stable

NEGR1 -0.106241587 3.012323524 -2.409821191 0.020819691 0.237142828 -4.240980579 stable

KLHL36 -0.156813953 8.265609737 -2.40854814 0.020882688 0.237745253 -4.243690278 stable

PDHA1 -0.07368271 9.22867835 -2.408271261 0.020896412 0.237786406 -4.244279476 stable

PNO1 -0.118552218 9.267394321 -2.407678507 0.020925821 0.238005911 -4.245540691 stable

CRIM1 /// LOC101929500 0.238578891 5.430173493 2.406595546 0.020979647 0.238502794 -4.247844336 stable

ZNF816 /// ZNF816-ZNF321P 0.125815064 4.467620923 2.406091793 0.021004728 0.238672564 -4.248915647 stable

LOC101929747 -0.220921973 7.165122286 -2.405548425 0.021031812 0.238860948 -4.25007102 stable

PMF1 -0.114791496 9.685017793 -2.405184386 0.021049974 0.238860948 -4.250844975 stable

LBX1 0.006462103 2.602452043 2.404834645 0.021067437 0.238860948 -4.251588449 stable

UAP1 0.27704338 9.57670224 2.404795183 0.021069408 0.238860948 -4.251672332 stable

CLK1 0.222234727 11.88712114 2.404669648 0.02107568 0.238860948 -4.25193917 stable

OSBPL6 0.016538087 2.727649065 2.404352436 0.021091536 0.238860948 -4.252613394 stable

SH3BGRL2 -0.513324387 10.46113747 -2.404335282 0.021092394 0.238860948 -4.25264985 stable

JMY 0.163342861 9.42357871 2.403429857 0.021137712 0.239258958 -4.254573927 stable

SCP2 0.077529464 11.83129892 2.402291642 0.021194806 0.239777569 -4.256991938 stable

GATAD2A 0.160743053 10.3041502 2.402110259 0.021203917 0.239777569 -4.257377187 stable

FAM175A -0.132909831 9.225904385 -2.401428019 0.02123822 0.240050057 -4.258826043 stable

MSL3 -0.098064535 11.51605316 -2.401172102 0.0212511 0.240080271 -4.259369449 stable

MIR424 /// MIR503HG -0.035233417 3.089781354 -2.400118291 0.021304212 0.240564754 -4.261606628 stable

WBP2 -0.173815989 11.06726831 -2.399502122 0.021335323 0.24080045 -4.262914384 stable

HNRNPF 0.086535279 11.33961602 2.399165294 0.021352347 0.240877007 -4.263629162 stable

PRUNE -0.204476948 11.46614101 -2.398708598 0.021375449 0.241022025 -4.264598192 stable

LOC101928589 /// TMEM164 -0.140452988 10.62112951 -2.397944463 0.021414154 0.241342143 -4.266219248 stable

C2orf49 0.201549397 7.882398267 2.397569831 0.021433153 0.241342143 -4.267013863 stable

AOAH 0.237739361 10.86332804 2.397540873 0.021434622 0.241342143 -4.267075281 stable

VIT 0.573123962 2.691677672 2.397013723 0.021461383 0.241527837 -4.26819323 stable

PAFAH1B1 0.113248697 10.44453806 2.396663954 0.021479155 0.24161225 -4.268934899 stable

LOC692247 -0.176678741 5.726812157 -2.396382278 0.021493478 0.241657788 -4.269532124 stable

C1orf53 0.018318963 2.216100855 2.395717656 0.021527306 0.241834743 -4.270941082 stable

NAP1L5 0.326234553 6.510212218 2.395593586 0.021533627 0.241834743 -4.271204071 stable

CHST7 0.346189739 7.665404965 2.395467304 0.021540061 0.241834743 -4.271471738 stable

C17orf105 0.010622787 3.210499025 2.395052156 0.021561228 0.241900298 -4.272351612 stable

AK096159 0.0185424 2.879129818 2.394949407 0.021566469 0.241900298 -4.272569364 stable

IGHM -0.408827631 14.23559726 -2.3941854 0.02160548 0.242184467 -4.274188271 stable

IL17C -0.123734921 7.85892159 -2.394038129 0.021613007 0.242184467 -4.27450029 stable

RAMP1 0.236644123 7.149988281 2.393848671 0.021622694 0.242184467 -4.274901669 stable

ATP2A2 0.105847324 11.05867465 2.393195002 0.021656145 0.242388368 -4.276286326 stable

PPP2R1B 0.151059137 8.850457002 2.392950729 0.021668658 0.242388368 -4.276803695 stable

LAT2 -0.045808154 3.392990208 -2.392889134 0.021671814 0.242388368 -4.276934146 stable

RNPC3 -0.207495203 9.921135855 -2.392687474 0.02168215 0.242388714 -4.277361222 stable

PEF1 0.118375485 10.57396829 2.391399036 0.021748295 0.242950487 -4.280089255 stable

LYRM1 -0.112435163 10.14305346 -2.391196129 0.021758728 0.242950487 -4.280518775 stable

SOS1 0.021662612 2.955481483 2.3908321 0.021777457 0.242950487 -4.281289294 stable

ADCY7 0.253948588 8.391749529 2.390777119 0.021780287 0.242950487 -4.281405662 stable

ERP44 -0.138950271 8.104875032 -2.390512272 0.021793924 0.242950487 -4.281966186 stable

TMEM40 -0.338910329 7.108355636 -2.390476594 0.021795762 0.242950487 -4.282041691 stable

EIF5A2 0.204044884 5.194247627 2.390302996 0.021804705 0.242950487 -4.282409064 stable

GABPB1 0.142262067 9.438314777 2.389559938 0.021843024 0.243211091 -4.283981328 stable

TMED8 -0.125494564 10.71538445 -2.389448526 0.021848775 0.243211091 -4.284217036 stable

LZTS2 -0.15977215 6.771655114 -2.38902214 0.021870796 0.243334166 -4.285119046 stable

CREB3L1 -0.081907471 2.761924088 -2.388833941 0.021880522 0.243334166 -4.285517139 stable

ZNF354C 0.151228793 7.781703027 2.388494276 0.021898086 0.243414403 -4.286235566 stable

LOC100652930 /// NPEPL1 /// STX16-NPEPL1 -0.139586253 9.460184397 -2.387439784 0.021952694 0.243757807 -4.288465444 stable

ABT1 0.111774576 9.623357286 2.387366351 0.021956501 0.243757807 -4.288620701 stable

TRAPPC9 -0.189807834 6.464618717 -2.387297538 0.021960069 0.243757807 -4.288766187 stable

C14orf159 -0.123930567 6.576109191 -2.386856438 0.021982956 0.243896745 -4.289698702 stable

ATP13A3 0.118905869 8.753204323 2.3861218 0.02202112 0.244204977 -4.291251488 stable

EXOSC5 -0.143225252 8.495501859 -2.38532497 0.022062582 0.24446338 -4.292935329 stable

MCL1 0.241158148 12.08493149 2.385138977 0.022072271 0.24446338 -4.293328305 stable

APBB3 /// MIR6831 -0.189410197 7.809028671 -2.384996382 0.022079701 0.24446338 -4.293629572 stable

ANKFY1 0.008110469 2.029969158 2.384867755 0.022086405 0.24446338 -4.293901317 stable

SEC24B-AS1 -0.1266468 4.292517946 -2.38467629 0.022096388 0.24446338 -4.294305795 stable

TIGD2 0.284954696 7.351902081 2.382878044 0.022190348 0.245358817 -4.298103506 stable

TGFBR2 0.178739332 10.65258766 2.382728326 0.022198187 0.245358817 -4.298419598 stable

FZD3 0.244576407 3.644005718 2.382478409 0.022211278 0.245388201 -4.298947206 stable

KLRC3 0.614815384 9.559314403 2.381618862 0.022256356 0.245770778 -4.300761503 stable

ADAM10 0.097469939 12.73773777 2.380970764 0.0222904 0.246031202 -4.302129162 stable

CHST14 0.236440981 8.392552519 2.379985654 0.022342236 0.246487676 -4.304207477 stable

RNF141 -0.319474527 5.600997384 -2.379480252 0.022368872 0.246651286 -4.30527349 stable

KNTC1 -0.140950249 7.68293168 -2.379114202 0.022388182 0.246651286 -4.306045473 stable

ASS1 0.232579421 4.266286673 2.378892166 0.022399902 0.246651286 -4.306513694 stable

MIDN 0.284833745 9.10011455 2.378771021 0.022406299 0.246651286 -4.306769145 stable

ZMAT1 -0.238188374 8.840926764 -2.378710455 0.022409498 0.246651286 -4.306896853 stable

DMTN -0.447002473 9.102586619 -2.377445573 0.022476396 0.247271898 -4.309563414 stable

SNRNP48 0.17574724 8.330350239 2.377192889 0.022489782 0.24730349 -4.310095983 stable

RP11-97C16.1 -0.19035654 8.82492412 -2.375990356 0.022553585 0.247889188 -4.312629927 stable

SLC25A34 -0.175430872 4.871968241 -2.374228992 0.022647332 0.248754986 -4.316339703 stable

DLEU2 0.278641653 7.649639787 2.374113166 0.022653509 0.248754986 -4.316583583 stable

SOX12 -0.215280601 6.636536428 -2.373393476 0.022691924 0.249060547 -4.318098748 stable

LSM11 0.37525441 3.918355502 2.372463591 0.022741647 0.249290132 -4.320055929 stable

CBX8 0.255044307 4.999148839 2.372240376 0.022753597 0.249290132 -4.320525658 stable

C1QTNF5 /// MFRP -0.054042765 3.133093464 -2.372199146 0.022755805 0.249290132 -4.320612418 stable

NOL12 -0.126228307 9.491022568 -2.371928536 0.022770301 0.249290132 -4.321181832 stable

MORF4L2-AS1 -0.142122346 3.814039555 -2.371815246 0.022776373 0.249290132 -4.3214202 stable

WDFY4 -0.14886719 3.364993889 -2.371814112 0.022776434 0.249290132 -4.321422587 stable

NUDCD1 0.069304403 3.788367862 2.371173949 0.022810769 0.249549808 -4.322769369 stable

NDUFA4 -0.063596846 12.37291478 -2.369893552 0.022879582 0.250186266 -4.32546227 stable

MYL12A -0.303431256 8.266880576 -2.368723799 0.022942614 0.250680058 -4.327921523 stable

PLA2G12A -0.354608335 8.49101979 -2.368660013 0.022946055 0.250680058 -4.328055599 stable

LOC100288893 0.294333858 5.720603162 2.367770159 0.022994116 0.251006748 -4.329925758 stable

ARPC5L 0.164909644 11.10330116 2.367711219 0.022997302 0.251006748 -4.330049609 stable

OPTN 0.272826594 9.324483104 2.366833287 0.023044814 0.251334222 -4.331894167 stable

NPIPA1 -0.209499536 11.98440692 -2.366761981 0.023048676 0.251334222 -4.33204396 stable

C10orf88 0.185188765 6.6791523 2.366406477 0.023067943 0.251425552 -4.332790721 stable

PIK3CD 0.123373218 12.9330117 2.36584548 0.023098377 0.251425552 -4.333968963 stable

KBTBD7 0.408458422 7.862482204 2.365796008 0.023101063 0.251425552 -4.334072859 stable

CAMK1D -0.167718465 7.301426092 -2.365657853 0.023108564 0.251425552 -4.334362984 stable

LINC00341 /// SYNE3 -0.174174902 11.44715507 -2.365622219 0.023110499 0.251425552 -4.334437812 stable

DUSP14 0.297881542 5.612914744 2.365131516 0.023137162 0.251599249 -4.335468178 stable

AC007365.3 -0.187648852 6.137321655 -2.364669771 0.023162276 0.251755958 -4.336437591 stable

CSNK1E /// CSNK1E -0.095715664 7.70964411 -2.36315218 0.023244992 0.25245797 -4.339622713 stable

LA16c-380H5.4 -0.038867957 2.618942978 -2.363091035 0.02324833 0.25245797 -4.339751012 stable

RP13-30A9.2 0.005485001 2.555473334 2.362686883 0.023270406 0.252581084 -4.340598974 stable

RALGAPB 0.089045927 10.00854882 2.361805952 0.02331859 0.25298734 -4.342446903 stable

TBC1D30 0.096324891 2.974105093 2.361532696 0.023333554 0.25303298 -4.343020007 stable

RP11-119F7.5 0.145292733 3.643871151 2.359518202 0.023444144 0.25411507 -4.347243516 stable

TMPO 0.160669333 9.763789054 2.358759034 0.023485942 0.25445087 -4.348834459 stable

CSTF2T 0.208166268 8.824886109 2.357996718 0.023527981 0.254710106 -4.350431617 stable

ZNF621 0.136880665 8.4492301 2.357932463 0.023531528 0.254710106 -4.350566221 stable

SNX6 -0.088816021 10.68284635 -2.357155317 0.02357446 0.255036054 -4.35219402 stable

CRY1 0.192169378 9.877973335 2.356994988 0.023583326 0.255036054 -4.352529792 stable

RBM23 0.112232989 10.58552694 2.356529111 0.023609106 0.255117702 -4.35350537 stable

UHMK1 0.167207497 9.096437387 2.35646656 0.023612569 0.255117702 -4.353636344 stable

USF2 -0.173964244 10.28497833 -2.356246453 0.023624759 0.255132214 -4.354097203 stable

MICAL1 -0.121372785 10.78358771 -2.355764867 0.023651451 0.255214218 -4.355105435 stable

C16orf52 /// LOC101930115 /// VWA3A 0.08271034 7.27821187 2.355579201 0.023661748 0.255214218 -4.355494097 stable

AP4B1 0.102087451 9.817134716 2.355522315 0.023664904 0.255214218 -4.355613175 stable

SREBF2 -0.114788447 9.057893599 -2.354769517 0.023706703 0.255547829 -4.357188777 stable

CTDSPL -0.529980355 9.229334198 -2.354381597 0.023728268 0.255663123 -4.358000545 stable

ZNF397 0.180819165 8.491415649 2.353865852 0.023756967 0.255855136 -4.359079646 stable

C11orf84 0.16526413 6.08698764 2.35214844 0.023852758 0.256696532 -4.362671738 stable

ANXA6 0.166303845 12.09056711 2.35207395 0.02385692 0.256696532 -4.362827495 stable

SYTL3 0.523366943 4.926595205 2.351740653 0.023875553 0.256779557 -4.363524367 stable

ADIRF-AS1 -0.035223919 2.288849238 -2.351103315 0.023911221 0.257045624 -4.364856736 stable

NAT8 /// NAT8B -0.481211676 5.67873429 -2.350898198 0.02392271 0.257051651 -4.365285481 stable

GNAZ -0.442612453 9.494676073 -2.35052484 0.023943636 0.257159021 -4.366065817 stable

CFLAR 0.16167629 10.75439651 2.350139522 0.023965249 0.257273674 -4.366871052 stable

C6orf203 0.185921967 8.211911225 2.34954885 0.023998415 0.25751219 -4.368105245 stable

HDGFRP2 -0.134615982 7.96271621 -2.348053323 0.024082574 0.258297406 -4.371229069 stable

ELF4 0.175853586 9.58136572 2.347660592 0.024104718 0.258417078 -4.37204915 stable

EXOC3L2 -0.164332859 6.046818406 -2.34692113 0.024146463 0.258746673 -4.37359298 stable

LIMA1 0.243467801 7.335843021 2.344365936 0.024291212 0.259963915 -4.378924844 stable

SYNE1 0.230295976 11.13807856 2.344197273 0.024300795 0.259963915 -4.379276637 stable

LINS 0.220538183 9.005958062 2.344159079 0.024302965 0.259963915 -4.379356298 stable

LIMS1 /// LIMS3 /// LIMS3L -0.28360425 12.32844759 -2.344136177 0.024304266 0.259963915 -4.379404064 stable

DNPH1 -0.185960855 8.160997574 -2.343572501 0.024336319 0.260188433 -4.380579602 stable

ARMC6 -0.120289972 8.551949707 -2.34332677 0.024350304 0.260204951 -4.381092004 stable

ERN1 0.362918938 6.572362242 2.343055752 0.024365736 0.260204951 -4.381657088 stable

PTDSS1 -0.094821572 11.78411432 -2.342962437 0.024371052 0.260204951 -4.381851643 stable

AUH 0.133271726 9.305662707 2.342157806 0.02441693 0.260576505 -4.383528994 stable

HSH2D 0.277729511 9.264268863 2.341428045 0.024458607 0.260902902 -4.385049897 stable

RBM41 -0.208896206 6.549251513 -2.341095251 0.024477634 0.260987506 -4.385743358 stable

DENND5B -0.235090964 4.62361614 -2.340326417 0.024521643 0.261239579 -4.38734514 stable

CDK5RAP1 -0.084824902 9.347474238 -2.340294185 0.024523489 0.261239579 -4.387412282 stable

ZNF234 0.073616794 3.884026375 2.339590822 0.024563815 0.2615507 -4.3888773 stable

SLC35G1 -0.0943224 3.845827851 -2.338522099 0.024625203 0.261871444 -4.391102687 stable

PPP1R35 0.112625091 9.992423536 2.338354666 0.024634832 0.261871444 -4.391451262 stable

SIN3A 0.130571422 9.291189342 2.337973046 0.024656794 0.261871444 -4.392245674 stable

HRK -0.158513505 3.399508731 -2.337951701 0.024658023 0.261871444 -4.392290105 stable

METTL14 0.11483058 9.329270395 2.337950157 0.024658112 0.261871444 -4.39229332 stable

ZBTB1 0.164754349 4.230154182 2.337885333 0.024661844 0.261871444 -4.392428253 stable

YBX3 -0.250372614 12.37362319 -2.337711198 0.024671873 0.261871444 -4.392790705 stable

COG6 0.137135314 8.782114625 2.337430634 0.024688039 0.261874515 -4.393374641 stable

SHARPIN -0.115507642 8.351539943 -2.337319768 0.024694429 0.261874515 -4.393605372 stable

SH3GLB1 0.082204332 10.57131616 2.336895497 0.0247189 0.261939806 -4.394488273 stable

TXNDC9 0.129212705 4.454625343 2.336575143 0.024737391 0.261939806 -4.395154844 stable

C2CD5 0.107406065 11.16108951 2.336534479 0.024739739 0.261939806 -4.395239451 stable

DAP -0.223813661 9.741628722 -2.336441089 0.024745132 0.261939806 -4.395433754 stable

LGALSL -0.446889838 7.58963353 -2.335665876 0.024789942 0.262296098 -4.397046414 stable

LINC00294 0.194279718 8.145276196 2.33512474 0.024821265 0.262509428 -4.398171891 stable

BTN3A3 0.147823541 11.60973856 2.334692031 0.024846337 0.262539995 -4.399071715 stable

IGH /// IGHA1 /// IGHA2 /// IGHD /// IGHG1 /// IGHG2 /// IGHG3 /// IGHM /// IGHV4-31 -0.399096465 8.013876824 -2.334689586 0.024846479 0.262539995 -4.3990768 stable

LOC100287590 -0.142449904 4.82786835 -2.334440855 0.024860901 0.262574432 -4.399593983 stable

NHLRC2 0.106789427 7.070905286 2.333715227 0.024903019 0.262901221 -4.401102534 stable

TRA2B -0.074573728 12.11504177 -2.333204971 0.024932675 0.263040658 -4.402163124 stable

CTB-119C2.1 -0.095559327 3.114153929 -2.333100309 0.024938762 0.263040658 -4.402380647 stable

LAMB2P1 -0.194515488 4.812807117 -2.332720445 0.024960865 0.263040658 -4.403170072 stable

PRMT6 0.327780291 7.97893603 2.332372093 0.024981149 0.263040658 -4.403893924 stable

HTATSF1 0.126125587 7.561450597 2.331867579 0.025010554 0.263040658 -4.404942128 stable

LOC285628 /// MIR146A 0.303501443 6.400736969 2.331853671 0.025011365 0.263040658 -4.404971022 stable

DGCR6L 0.004938728 2.42079468 2.331804306 0.025014244 0.263040658 -4.405073575 stable

NMD3 -0.058056123 9.390262236 -2.331762064 0.025016707 0.263040658 -4.405161331 stable

SLC2A12 0.012958747 2.611717023 2.331759165 0.025016877 0.263040658 -4.405167352 stable

RP11-457I16.2 0.016359478 2.867727754 2.331232824 0.025047593 0.263245952 -4.406260685 stable

FAM24B -0.269445417 7.216991213 -2.330308662 0.025101608 0.263695817 -4.408179935 stable

LOC100130429 -0.203577487 6.477045221 -2.330041436 0.025117247 0.263735547 -4.408734788 stable

AXIN1 0.149966483 8.672389859 2.329860915 0.025127816 0.263735547 -4.409109587 stable

NSMCE4A -0.073254625 10.39270364 -2.329382374 0.025155853 0.263904308 -4.410103027 stable

MGC12488 -0.165158972 3.950835928 -2.329203592 0.025166335 0.263904308 -4.410474133 stable

RAP2A 0.258111371 2.604298759 2.328599384 0.025201788 0.264158315 -4.411728165 stable

FBXL4 0.105074082 8.543680756 2.328152412 0.025228044 0.264315735 -4.412655695 stable

PODNL1 -0.058630026 4.839267495 -2.327419566 0.025271146 0.264600563 -4.414176166 stable

ZNF57 0.505604518 5.068469652 2.327251337 0.02528105 0.264600563 -4.414525149 stable

SENP5 0.118919786 8.677427149 2.327116696 0.025288979 0.264600563 -4.41480444 stable

IL2RG 0.167043247 13.61346601 2.32634295 0.025334587 0.264855422 -4.416409219 stable

AIP 0.103351119 10.14207278 2.326321415 0.025335857 0.264855422 -4.416453879 stable

RFC1 0.144976562 8.709251473 2.326014438 0.025353973 0.264926314 -4.417090444 stable

ZNF689 0.258146836 8.675329382 2.325824883 0.025365166 0.264926314 -4.417483486 stable

CPD 0.239190795 9.639780208 2.325416144 0.025389315 0.265060838 -4.418330923 stable

HINFP 0.173017427 7.411268477 2.325059807 0.025410384 0.265163111 -4.419069623 stable

RAB29 0.179916488 11.66123847 2.324547952 0.025440677 0.265361497 -4.42013057 stable

MICB 0.261629745 10.0817749 2.324249001 0.025458385 0.265383195 -4.420750139 stable

FGF2 -0.050805403 3.175226331 -2.324131919 0.025465323 0.265383195 -4.420992771 stable

ZNF136 0.136491719 8.844642526 2.323536828 0.025500614 0.265633279 -4.422225857 stable

CT45A1 /// CT45A2 /// CT45A3 /// CT45A4 /// CT45A5 /// CT45A6 /// LOC101060211 /// LOC102723631 /// LOC102723680 /// LOC102723737 0.014923572 3.058090687 2.322607833 0.025555794 0.266090232 -4.424150351 stable

IGHA1 /// IGHA2 /// IGHD /// IGHG1 /// IGHG3 /// IGHG4 /// IGHM /// IGHV4-31 -0.58753616 8.901899249 -2.322111955 0.025585292 0.266279493 -4.425177367 stable

CROT 0.163051353 8.198407774 2.321697599 0.025609964 0.266418383 -4.426035417 stable

AKAP2 /// PALM2-AKAP2 -0.312179843 9.685329747 -2.321403257 0.025627503 0.266482978 -4.42664487 stable

OXCT2 -0.087458256 4.150867344 -2.320929041 0.025655783 0.266614618 -4.427626642 stable

DOCK11 0.09054396 12.34779866 2.320810889 0.025662833 0.266614618 -4.427871229 stable

ZNF598 -0.116349045 8.79281528 -2.320101987 0.025705171 0.266893796 -4.429338535 stable

RIOK3 -0.168125378 11.1088603 -2.319981064 0.025712399 0.266893796 -4.429588792 stable

IGHA1 /// IGHG1 /// IGHM -0.354108822 8.597738579 -2.319700632 0.025729169 0.26695006 -4.430169122 stable

FXYD2 /// FXYD6-FXYD2 -0.193558931 5.278968617 -2.318903604 0.025776885 0.267234557 -4.431818215 stable

RNASEH1 -0.148435051 8.850283804 -2.318863094 0.025779312 0.267234557 -4.431902022 stable

EMC2 0.179535665 9.040627656 2.317827849 0.025841414 0.267760308 -4.434043332 stable

TRBV27 -0.551849571 10.50568909 -2.31686264 0.025899435 0.268037654 -4.43603913 stable

ZKSCAN7 0.432865535 5.582747904 2.316827592 0.025901544 0.268037654 -4.436111589 stable

GLP1R -0.131065734 3.146896506 -2.316628835 0.025913507 0.268037654 -4.436522484 stable

ACKR1 /// CADM3 0.006355061 2.722488881 2.316372481 0.025928945 0.268037654 -4.43705241 stable

PREPL 0.142748512 10.40683593 2.316256812 0.025935913 0.268037654 -4.437291503 stable

TTLL12 -0.145111995 8.69653151 -2.316088551 0.025946052 0.268037654 -4.437639291 stable

DDX6 0.574485463 8.605946896 2.316057061 0.02594795 0.268037654 -4.437704375 stable

LOC102724364 /// SEC22B 0.111346144 9.582008855 2.315358199 0.025990105 0.268355245 -4.43914867 stable

PARS2 0.408107389 6.17137362 2.314841434 0.026021314 0.268484485 -4.440216422 stable

ZNF597 0.286721266 4.396279552 2.314631008 0.026034033 0.268484485 -4.440651159 stable

LYSMD2 0.196038121 11.94686903 2.314584155 0.026036865 0.268484485 -4.440747952 stable

LOC101929760 -0.465408455 5.866989014 -2.313211045 0.026120003 0.269115093 -4.443583997 stable

C15orf61 0.10158037 9.679561911 2.313110761 0.026126084 0.269115093 -4.443791075 stable

CAMK2D -0.151130258 9.692095077 -2.312909077 0.026138318 0.269115093 -4.444207516 stable

RAB3GAP1 -0.140255904 8.548580955 -2.312777104 0.026146326 0.269115093 -4.444480002 stable

NAA35 0.148988574 7.434926864 2.312630447 0.026155227 0.269115093 -4.444782791 stable

MST4 0.17008002 11.94137515 2.312296299 0.026175519 0.269144904 -4.445472624 stable

ATP6V1D 0.181817032 10.28572095 2.312205923 0.02618101 0.269144904 -4.445659187 stable

FAM81B -0.856748344 6.199635423 -2.310482613 0.026285907 0.270063985 -4.449215575 stable

IFIT5 0.368417558 9.345176869 2.310360132 0.026293377 0.270063985 -4.449468263 stable

VWA8 -0.199662526 9.30021723 -2.309632894 0.026337768 0.270178555 -4.450968401 stable

C16orf54 0.265930145 11.74555234 2.30957614 0.026341235 0.270178555 -4.451085457 stable

AK091028 /// GMDS-AS1 0.051309784 3.882473165 2.309465634 0.026347988 0.270178555 -4.451313372 stable

PLOD2 -0.379220658 4.58636973 -2.309424872 0.026350479 0.270178555 -4.451397441 stable

CD200R1 0.250412162 6.544110908 2.307826208 0.026448341 0.271063805 -4.454693666 stable

LOC101060321 /// LOC101060351 /// LOC101060376 /// LOC101060389 /// LOC102723859 /// LOC102724862 /// TBC1D3 /// TBC1D3C /// TBC1D3F /// TBC1D3H -0.161164084 9.810379922 -2.30723071 0.026484878 0.271203011 -4.45592106 stable

RHPN1 -0.146156873 7.235361339 -2.307209091 0.026486205 0.271203011 -4.455965615 stable

MORC2-AS1 -0.181232712 8.301830649 -2.306897327 0.026505353 0.271203011 -4.456608098 stable

BC042022 /// LOC100506331 0.023733296 3.112015519 2.306853506 0.026508045 0.271203011 -4.456698401 stable

IGHD3-16 /// IGHD3-16 /// IGHG1 /// SKAP2 -0.330733748 5.407841695 -2.306148122 0.026551416 0.271528637 -4.458151794 stable

MTMR14 -0.159781741 10.60941639 -2.305718712 0.02657785 0.271654872 -4.459036398 stable

ZNF630 0.190248947 2.8597243 2.305572457 0.026586859 0.271654872 -4.459337662 stable

PJA2 0.116621988 11.62515186 2.305261907 0.026605997 0.271732372 -4.4599773 stable

AHDC1 0.187107477 7.675297333 2.30499105 0.026622699 0.271784936 -4.46053513 stable

LOC439994 /// LOC642361 -0.158981051 9.279827493 -2.304096498 0.026677926 0.272230581 -4.462377108 stable

LSM8 -0.089403711 10.63364895 -2.303651559 0.026705433 0.272393103 -4.463293085 stable

SRSF1 0.118855509 6.624769447 2.303177349 0.026734778 0.272574219 -4.464269171 stable

HNRNPAB 0.121117804 11.86415456 2.302648631 0.026767531 0.2727899 -4.465357275 stable

HIST1H3C -0.008132382 2.575001948 -2.302387561 0.026783716 0.272798641 -4.465894489 stable

CXorf23 0.139241143 6.237305622 2.30214815 0.026798567 0.272798641 -4.466387093 stable

LINC01000 /// LINC01001 /// LINC01002 /// LOC100132062 /// LOC100133182 /// LOC100133331 /// LOC101929819 /// LOC729737 -0.273054231 11.92443995 -2.302073765 0.026803183 0.272798641 -4.466540138 stable

MALT1 -0.109400145 10.52963971 -2.30075644 0.026885041 0.27351343 -4.469249865 stable

RP11-337C18.10 /// RP11-337C18.8 0.044805675 2.648252443 2.299791973 0.026945115 0.273812845 -4.47123302 stable

LTBP4 -0.128960283 7.749025321 -2.299642599 0.02695443 0.273812845 -4.471540109 stable

NHLRC4 -0.123805452 5.557734536 -2.29963703 0.026954777 0.273812845 -4.471551559 stable

UQCC2 0.005162917 2.314631797 2.299536673 0.026961037 0.273812845 -4.471757867 stable

PSMB5 0.197919713 9.556946927 2.298672268 0.027015009 0.274242567 -4.473534589 stable

HYPK /// MIR1282 /// SERF2 -0.066274841 13.55991544 -2.297556893 0.027084795 0.274801172 -4.475826416 stable

ZBTB9 0.322598001 6.803290511 2.297247035 0.02710421 0.274801172 -4.476462949 stable

TNKS2 0.068792922 10.95821613 2.297183299 0.027108205 0.274801172 -4.476593872 stable

PAICS -0.123329556 9.498833252 -2.297046713 0.027116769 0.274801172 -4.47687443 stable

STOX2 -0.053294826 3.195967174 -2.296668785 0.027140476 0.274922974 -4.477650659 stable

IKZF3 0.316955014 6.674066298 2.296342141 0.027160982 0.275012248 -4.478321478 stable

PSMD5 0.122201527 9.841845924 2.296137564 0.027173831 0.275023962 -4.478741574 stable

SLC45A3 -0.506690807 7.746280287 -2.295727051 0.027199632 0.275166689 -4.47958447 stable

ECE1 -0.147609987 9.57360441 -2.29533635 0.027224209 0.275277246 -4.480386583 stable

ARFIP1 0.186638373 8.598611927 2.295181294 0.027233968 0.275277246 -4.480704886 stable

SFR1 -0.121934727 9.375423915 -2.293250919 0.027355725 0.276310368 -4.484666238 stable

ZNF680 0.157360428 8.150745496 2.293188473 0.027359672 0.276310368 -4.484794342 stable

TRIM58 -0.489774955 9.854704708 -2.292352851 0.027412537 0.276514249 -4.486508316 stable

MED26 0.098100697 9.836431389 2.292344413 0.027413071 0.276514249 -4.486525622 stable

GUCY2F 0.003733767 2.416494937 2.292311925 0.027415128 0.276514249 -4.48659225 stable

RP11-348N5.7 -0.164844758 5.067789673 -2.291644607 0.027457414 0.276665994 -4.48796065 stable

PNMA1 -0.216082154 10.71903729 -2.291525967 0.027464938 0.276665994 -4.488203901 stable

LOC646014 -0.137011144 7.678500427 -2.291517736 0.027465461 0.276665994 -4.488220778 stable

TRIM5 0.184287924 7.999546235 2.290941405 0.027502038 0.276915853 -4.489402308 stable

PRPF38A 0.096156578 10.07981121 2.29072978 0.02751548 0.276932648 -4.489836101 stable

FBXO7 -0.106992329 11.9020775 -2.290049892 0.027558704 0.277249053 -4.491229544 stable

AK091729 -0.136904511 4.271501707 -2.289267154 0.027608543 0.277498829 -4.492833393 stable

RP11-288H12.4 0.159263229 4.180009816 2.289221281 0.027611467 0.277498829 -4.492927374 stable

FAM206A -0.170258583 9.171062284 -2.289032562 0.027623496 0.277498829 -4.493313996 stable

LDHAL6CP /// LDHAL6CP 0.006426737 2.470518405 2.288919205 0.027630724 0.277498829 -4.493546214 stable

STK35 -0.061673083 2.548962582 -2.288340501 0.02766765 0.277693804 -4.494731586 stable

MAP6D1 -0.190506692 4.672326068 -2.288244965 0.02767375 0.277693804 -4.494927253 stable

NDE1 -0.130812343 9.964293834 -2.286814883 0.027765209 0.278492738 -4.497855455 stable

LINC01004 0.145670166 6.640238695 2.28643503 0.027789547 0.278618045 -4.498632998 stable

LOC102724814 -0.279991266 4.457750442 -2.286158228 0.027807295 0.278677194 -4.499199541 stable

TBC1D27 -0.418986139 5.954399834 -2.285428669 0.02785412 0.279027579 -4.500692507 stable

RPP14 0.13117974 9.07666659 2.285009345 0.027881066 0.279178604 -4.501550446 stable

LOC101927869 0.00455535 2.569742427 2.284575297 0.027908982 0.279339217 -4.502438383 stable

CNR1 -0.053352666 2.690662532 -2.284265087 0.027928949 0.279420161 -4.503072906 stable

C4orf46 0.292558051 6.107832652 2.283285217 0.027992102 0.279932926 -4.505076762 stable

PUS1 -0.109106355 8.431959076 -2.282403816 0.028049019 0.280027494 -4.506878688 stable

CDH17 0.022932465 2.222127024 2.282400341 0.028049244 0.280027494 -4.50688579 stable

TTC30B 0.338437632 4.308469387 2.282385019 0.028050234 0.280027494 -4.506917111 stable

RAPGEF1 0.155289259 8.835954087 2.282048258 0.028072009 0.280027494 -4.507605436 stable

CDC23 0.12565916 9.057966512 2.282019616 0.028073861 0.280027494 -4.507663976 stable

SERBP1 0.060463857 11.7005334 2.281888565 0.02808234 0.280027494 -4.507931816 stable

MLLT1 0.074194663 3.34789263 2.281517739 0.028106342 0.280027494 -4.50868964 stable

ZKSCAN5 0.232999939 7.549779101 2.281386272 0.028114856 0.280027494 -4.508958285 stable

PRSS3P2 -0.031936385 2.28118795 -2.281204554 0.028126628 0.280027494 -4.509329595 stable

BRD1 0.100743894 10.27990171 2.281137503 0.028130973 0.280027494 -4.509466598 stable

HIST1H2BO -0.372294217 3.36551941 -2.281030827 0.028137887 0.280027494 -4.509684558 stable

RNF5 /// RNF5P1 0.10360029 10.03187822 2.28092998 0.028144424 0.280027494 -4.5098906 stable

IRF6 0.03396201 2.483253016 2.280651142 0.028162506 0.280088927 -4.510460263 stable

FAM69A -0.5082312 5.370306541 -2.280425675 0.028177135 0.280115977 -4.51092085 stable

UBE2I -0.27758844 7.707024462 -2.28001131 0.028204038 0.280264972 -4.511767231 stable

OR1F1 -0.05421256 2.602174769 -2.27968164 0.028225459 0.280358555 -4.512440533 stable

ATAD3B -0.143491845 7.761208661 -2.279499576 0.028237295 0.280358555 -4.512812339 stable

IRF2 0.099554941 11.04909547 2.278393594 0.02830929 0.280954777 -4.515070458 stable

TTI2 0.316492006 6.664738518 2.278165552 0.028324156 0.280983747 -4.515535955 stable

RIC3 -0.328986806 4.785360688 -2.277693956 0.028354919 0.281170344 -4.516498501 stable

LSM14B 0.185941541 4.707057013 2.277350616 0.028377335 0.281274041 -4.517199177 stable

BROX 0.101037328 11.58329876 2.277128072 0.028391873 0.281299598 -4.517653292 stable

PPARD -0.088394835 7.899062398 -2.276862803 0.028409211 0.28135286 -4.518194548 stable

RBBP6 0.149084156 7.175719311 2.276240456 0.028449924 0.281520928 -4.519464199 stable

MRPS30 -0.112912416 10.05531372 -2.276237473 0.028450119 0.281520928 -4.519470284 stable

EPM2AIP1 -0.141523919 11.3359264 -2.275761832 0.02848127 0.28171066 -4.520440458 stable

BRD7 0.083114254 10.65957124 2.275419449 0.028503712 0.281814132 -4.521138729 stable

HK1 -0.095658943 12.40888098 -2.275174771 0.02851976 0.28185432 -4.521637687 stable

TBRG4 0.22023742 6.409645153 2.274864106 0.028540148 0.281937343 -4.522271149 stable

UTP23 -0.121895387 9.22711598 -2.27440105 0.02857056 0.282119288 -4.523215223 stable

RP11-803D5.4 0.058677162 3.502230409 2.2742132 0.028582906 0.282122756 -4.523598168 stable

MAPK3 -0.085775224 9.976643053 -2.273855276 0.028606442 0.282236632 -4.524327755 stable

REC8 -0.150096604 8.955804725 -2.273369417 0.028638419 0.282433652 -4.52531798 stable

AKAP1 -0.108212673 8.690186199 -2.272979168 0.028664127 0.282568704 -4.526113226 stable

CCDC65 0.146617664 4.575710138 2.272637068 0.02868668 0.282672556 -4.52681027 stable

DNAAF2 0.15931317 8.681251784 2.271891652 0.028735876 0.283038749 -4.528328811 stable

MIATNB -0.173198401 8.129289656 -2.270815322 0.028807045 0.28362097 -4.530520809 stable

ANXA7 -0.087332309 11.30462961 -2.27044771 0.028831388 0.283741873 -4.531269288 stable

TOP1P2 0.005629584 2.560747594 2.269806643 0.028873884 0.283893266 -4.532574315 stable

LIMS3 /// LIMS3L -0.292392653 6.261481261 -2.269732637 0.028878793 0.283893266 -4.532724951 stable

XYLT1 0.167615398 9.747312751 2.26966952 0.028882981 0.283893266 -4.532853422 stable

MSANTD3 -0.340159975 9.269116652 -2.269133166 0.028918588 0.284124522 -4.533945017 stable

MIS12 0.158090278 9.664800289 2.268712729 0.028946527 0.284152662 -4.534800557 stable

ERN2 -0.123985766 7.974314337 -2.268584337 0.028955064 0.284152662 -4.535061798 stable

HMGB1 -0.096787487 13.40687229 -2.268544782 0.028957694 0.284152662 -4.535142278 stable

BOLA1 0.230994798 6.406038212 2.268296844 0.028974188 0.284195942 -4.535646718 stable

FAM169A 0.433181935 6.660759573 2.267665684 0.029016211 0.284489499 -4.536930651 stable

LOC101929741 0.012812799 2.200784692 2.266654827 0.029083629 0.285031686 -4.53898641 stable

DHRS3 0.270247655 9.090782704 2.266133145 0.029118477 0.285254353 -4.540047072 stable

CACFD1 -0.150199021 6.126559887 -2.265759175 0.029143481 0.285279941 -4.540807296 stable

SCD5 0.386059435 8.816000942 2.265528203 0.029158933 0.285279941 -4.541276779 stable

NSFL1C -0.262521691 9.109832443 -2.265432927 0.02916531 0.285279941 -4.541470431 stable

CHD6 0.264478111 5.489905692 2.265368769 0.029169604 0.285279941 -4.54160083 stable

SIRT3 -0.158228649 7.740772567 -2.265064765 0.02918996 0.285360373 -4.542218673 stable

TARP /// TRGC2 /// TRGV9 0.426068229 11.9409594 2.264053533 0.029257764 0.28579698 -4.544273395 stable

TOMM5 0.140392392 10.81155573 2.264036272 0.029258923 0.28579698 -4.544308462 stable

DPY30 /// MEMO1 -0.113939101 10.09078323 -2.263663434 0.029283959 0.285868464 -4.545065849 stable

CDK2AP1 -0.237184612 12.15946923 -2.263565336 0.029290549 0.285868464 -4.54526511 stable

RAB5B 0.077749133 9.707809875 2.263219846 0.02931377 0.285976432 -4.545966836 stable

NUMB -0.294898856 7.599594998 -2.262305108 0.02937533 0.286353115 -4.547824365 stable

TBCC 0.166662975 10.68712257 2.262146053 0.029386046 0.286353115 -4.548147293 stable

C1RL-AS1 0.035483695 4.264694059 2.262103636 0.029388904 0.286353115 -4.548233409 stable

THNSL1 0.022356226 3.253890252 2.260970891 0.029465328 0.286708498 -4.550532687 stable

HAVCR1P1 0.003858181 2.216401748 2.26085435 0.029473201 0.286708498 -4.550769195 stable

CTNNAL1 -0.541370715 6.642392099 -2.260848385 0.029473604 0.286708498 -4.5507813 stable

MYOC -0.036556134 2.98223997 -2.260840511 0.029474136 0.286708498 -4.55079728 stable

CUL9 -0.148405139 9.325209958 -2.260629312 0.029488408 0.286728752 -4.551225859 stable

CEP152 0.076399537 4.485642409 2.260122301 0.029522697 0.286943531 -4.552254601 stable

ANXA9 0.007159418 2.667461386 2.259164556 0.029587564 0.287455227 -4.554197414 stable

ZBTB32 -0.038978248 1.990343096 -2.258018722 0.029665339 0.28809184 -4.556520944 stable

XK -0.467968038 8.692229668 -2.25717324 0.029722844 0.288510936 -4.558234839 stable

KLK8 /// KLK9 -0.050082064 3.538392115 -2.257023682 0.029733026 0.288510936 -4.558537959 stable

SLC38A9 0.128565035 8.793887851 2.256403926 0.029775255 0.288709706 -4.559793904 stable

GTF2E2 0.121150767 9.262401677 2.256362782 0.02977806 0.288709706 -4.559877274 stable

MRPL17 0.147408156 8.645612075 2.254669542 0.029893715 0.289711611 -4.563307259 stable

PPP2R5B -0.110478559 7.889615426 -2.253807162 0.029952774 0.290122908 -4.56505342 stable

CHD1L -0.139241045 9.808225733 -2.253689727 0.029960824 0.290122908 -4.565291164 stable

TMEM45A -0.780664549 5.417645794 -2.253315086 0.029986519 0.29025223 -4.566049553 stable

CFC1 /// CFC1B 0.009441019 2.899980055 2.252582688 0.030036808 0.290619403 -4.567531874 stable

AKAP17A -0.13570524 11.52754109 -2.251681346 0.030098801 0.291099466 -4.569355619 stable

LACTB -0.371939853 7.503720853 -2.251448779 0.030114815 0.291134635 -4.569826096 stable

DCAF4L2 0.004307836 2.614889093 2.25079242 0.030160052 0.291452168 -4.571153692 stable

PRICKLE4 /// TOMM6 -0.077023795 12.44068564 -2.250224368 0.030199251 0.291711124 -4.572302435 stable

PURA 0.104300373 11.29866745 2.249408441 0.030255635 0.292001795 -4.573952054 stable

FCRLB 0.387542581 6.152424869 2.249394794 0.030256579 0.292001795 -4.573979641 stable

PAPOLA -0.131175564 10.84805069 -2.249250126 0.030266586 0.292001795 -4.574272078 stable

MCPH1 0.186966293 7.645376118 2.248893854 0.030291244 0.292119861 -4.574992194 stable

MRPS24 /// URGCP-MRPS24 -0.103792386 11.04309626 -2.248350545 0.03032888 0.292192282 -4.576090196 stable

ZNF175 0.191729953 6.915652019 2.248348733 0.030329006 0.292192282 -4.576093856 stable

LOC100130856 /// PSPN 0.078957957 3.689093663 2.248247528 0.030336021 0.292192282 -4.576298365 stable

RBAK 0.137605919 5.928683932 2.247151081 0.030412118 0.292805335 -4.578513531 stable

THAP6 0.154548262 6.911059431 2.246909086 0.030428936 0.292847387 -4.579002324 stable

ASF1A 0.158649891 10.96162634 2.246365695 0.030466731 0.293091201 -4.580099746 stable

RAB31 -0.214794265 12.49274742 -2.245836062 0.03050361 0.293326002 -4.581169187 stable

ZCCHC8 0.098151215 10.38054801 2.245424337 0.030532305 0.293435948 -4.582000413 stable

IGHA1 /// IGHG1 /// IGHG3 /// IGHM /// IGHV4-31 -0.37100585 7.385561087 -2.24521271 0.030547065 0.293435948 -4.58242762 stable

WWC2 0.018935814 2.863741945 2.245135232 0.03055247 0.293435948 -4.582584014 stable

LNPEP 0.21013001 9.13736498 2.244379075 0.030605265 0.293720316 -4.584110153 stable

DMTF1 -0.143115017 10.58299962 -2.244353488 0.030607053 0.293720316 -4.58416179 stable

FAM193B -0.144172265 10.90889774 -2.243870973 0.030640787 0.293781059 -4.585135426 stable

AP1G2 -0.158627945 10.99441628 -2.24384908 0.030642318 0.293781059 -4.585179598 stable

RTBDN 0.009994635 2.63485167 2.24372708 0.030650853 0.293781059 -4.585425749 stable

CTHRC1 0.004337475 2.309572243 2.242966608 0.030704103 0.294065152 -4.586959858 stable

AGBL2 -0.179554161 3.330841593 -2.242946701 0.030705498 0.294065152 -4.58700001 stable

RPA1 -0.158796181 12.13547438 -2.242284249 0.030751953 0.294319455 -4.588336048 stable

SLC35B3 0.114796684 9.750935745 2.242211227 0.030757077 0.294319455 -4.5884833 stable

BEND2 -0.497339857 9.191527059 -2.241409438 0.030813396 0.294738465 -4.590099907 stable

PNP 0.220189787 10.08015822 2.240622095 0.030868789 0.29514829 -4.591686957 stable

SEC31A -0.072945952 12.20082357 -2.239849616 0.030923223 0.295548611 -4.593243627 stable

RACGAP1 0.143597557 8.078222234 2.238655497 0.031007537 0.296199356 -4.59564916 stable

GPD2 0.260238926 7.585342227 2.238528774 0.031016497 0.296199356 -4.595904384 stable

ARID4A 0.06821922 9.798800041 2.237263674 0.031106069 0.29693419 -4.59845172 stable

LOC101060604 /// SLC7A5P1 /// SLC7A5P2 /// SMG1P3 0.140387408 8.906923833 2.236848037 0.031135547 0.297095012 -4.599288382 stable

BC069776 0.0858635 3.363730761 2.235714617 0.03121606 0.297725549 -4.60156931 stable

CAPN5 0.128550926 3.432346161 2.235561608 0.031226943 0.297725549 -4.60187716 stable

HERC2 /// LOC101929047 /// LOC101929832 0.193432831 5.489619964 2.235342378 0.031242542 0.297753582 -4.602318219 stable

NFYA 0.108060876 9.195402077 2.234607276 0.031294899 0.298018475 -4.603796895 stable

LOC101060604 /// SLC7A5P1 /// SMG1P3 0.14616802 3.803760429 2.234535874 0.031299989 0.298018475 -4.603940503 stable

GP1BB /// SEPT5 /// SEPT5-GP1BB -0.440418269 12.8106816 -2.234261819 0.031319531 0.298018475 -4.604491662 stable

WDR31 0.007015809 2.903119224 2.23424097 0.031321018 0.298018475 -4.604533589 stable

LINC00106 /// LINC00106 -0.205292051 6.492026956 -2.233813623 0.031351514 0.298188017 -4.605392928 stable

ELK1 -0.122628757 8.777322541 -2.233164451 0.03139789 0.298441223 -4.606698085 stable

ABHD17C 0.252421028 3.313833716 2.232943611 0.031413681 0.298441223 -4.607142017 stable

GALK2 0.110880697 7.635382471 2.232907112 0.031416291 0.298441223 -4.607215384 stable

CTB-31O20.2 -0.292672202 9.827789089 -2.232731005 0.031428889 0.298441223 -4.607569365 stable

KIAA2022 0.010905164 2.446759226 2.232489459 0.031446176 0.29848487 -4.608054845 stable

LCORL 0.186650549 6.777624627 2.231865628 0.031490861 0.298788437 -4.609308488 stable

P2RY12 -0.411309954 9.112920438 -2.231628569 0.031507856 0.298829145 -4.609784807 stable

LOC284112 /// MIR195 /// MIR497 /// MIR497HG -0.036470633 3.787824375 -2.231253247 0.03153478 0.298895549 -4.610538858 stable

FAM136A /// LOC100287852 -0.067621812 9.926753556 -2.231176719 0.031540273 0.298895549 -4.610692596 stable

ANKRD20A1 /// ANKRD20A12P /// ANKRD20A2 /// ANKRD20A3 /// ANKRD20A4 /// ANKRD20A5P /// ANKRD20A8P 0.12756657 3.873393015 2.230559707 0.031584586 0.299186681 -4.611931977 stable

C18orf32 /// RPL17 /// RPL17-C18orf32 /// SNORD58A /// SNORD58B /// SNORD58C 0.04197664 15.27986701 2.23039488 0.031596434 0.299186681 -4.612263016 stable

SYT17 -0.17812317 5.942927391 -2.229823529 0.031637531 0.29945528 -4.613410376 stable

ABHD2 0.261535086 8.541513213 2.229257048 0.031678325 0.299604227 -4.614547734 stable

OSBPL3 0.161883806 8.889185839 2.229251253 0.031678743 0.299604227 -4.614559368 stable

IGHA1 /// IGHG1 /// IGHM /// IGHV3-23 /// IGHV4-31 -0.506125302 9.401332769 -2.22901713 0.031695617 0.29964333 -4.615029365 stable

PNCK -0.029389729 2.39346883 -2.228367428 0.031742485 0.299965842 -4.616333428 stable

PPIA 0.05235313 14.79424399 2.227848716 0.031779947 0.300199255 -4.617374362 stable

BHMT 0.005971064 2.556153687 2.227486798 0.03180611 0.300325773 -4.618100535 stable

LOC101928789 /// SP140 -0.245804132 9.445886428 -2.226697791 0.031863211 0.300744217 -4.619683331 stable

KLRG1 0.452863324 10.13412921 2.225378871 0.031958867 0.30152608 -4.622328199 stable

RP4-647C14.3 -0.16815147 3.492491185 -2.225074099 0.031981008 0.301611961 -4.622939196 stable

ZNF33A 0.185397706 3.193974386 2.224900621 0.031993616 0.301611961 -4.62328695 stable

ARPC4 /// ARPC4-TTLL3 /// TTLL3 -0.154631114 6.350587544 -2.222820403 0.032145152 0.302919123 -4.627455324 stable

SYNGR2 -0.142681513 12.05108635 -2.222609257 0.032160569 0.302943033 -4.627878255 stable

DNAJC10 -0.129397218 9.588622978 -2.222382608 0.032177126 0.30297765 -4.628332202 stable

FZR1 0.128897967 6.246023687 2.22220053 0.032190431 0.302981648 -4.628696855 stable

PPP6C -0.049088568 11.32258908 -2.221878112 0.032214005 0.303082246 -4.629342513 stable

ZSCAN26 0.260189987 7.271422934 2.220925421 0.032283751 0.303616997 -4.631249902 stable

CDKN2C 0.252645566 6.830085973 2.220733198 0.03229784 0.303628095 -4.631634677 stable

NEK7 0.103966759 11.9378983 2.219291715 0.032403667 0.304501257 -4.634519287 stable

MAL2 0.01027819 2.909089129 2.219108294 0.032417155 0.304506349 -4.634886236 stable

GNL3 -0.176113506 7.775673391 -2.218652803 0.032450671 0.304647441 -4.635797379 stable

IGKV1-37 /// IGKV1-37 /// IGKV1D-37 /// IGKV1D-37 -0.555326525 9.87291419 -2.218552183 0.032458079 0.304647441 -4.635998635 stable

ADNP 0.13523234 11.36520004 2.218190499 0.032484721 0.304667509 -4.636722003 stable

SEMA4F 0.096363026 3.293515841 2.218171461 0.032486124 0.304667509 -4.636760076 stable

SPIN1 0.135923614 8.666912731 2.217219348 0.032556351 0.305204436 -4.638663852 stable

RP11-245J9.5 0.02634713 2.996676112 2.216984893 0.032573665 0.305228045 -4.639132555 stable

LOC374443 0.286484492 8.54871224 2.216833857 0.032584823 0.305228045 -4.639434474 stable

KRAS -0.310337999 7.28685171 -2.215841504 0.032658219 0.305738714 -4.641417773 stable

C7orf25 /// PSMA2 0.285257735 6.502049211 2.215745376 0.032665337 0.305738714 -4.641609857 stable

MIR6805 /// RPL28 0.035865525 15.36155226 2.215438141 0.032688095 0.305745586 -4.642223731 stable

TP53BP2 0.104181152 9.702363333 2.215136805 0.032710429 0.305745586 -4.642825756 stable

FBXW9 -0.170553363 5.833297163 -2.215077115 0.032714855 0.305745586 -4.642945001 stable

LAIR2 0.792802542 8.972836585 2.214911438 0.032727142 0.305745586 -4.643275964 stable

SLC5A2 -0.046516288 3.244044576 -2.214858552 0.032731065 0.305745586 -4.643381608 stable

ATP2C1 -0.104510234 8.222209326 -2.213381981 0.032840765 0.306648521 -4.646330375 stable

GUSBP11 -0.275671647 12.1055412 -2.213163613 0.032857016 0.306678518 -4.646766335 stable

NDUFB2 0.094566162 12.1971464 2.212961639 0.032872053 0.306697168 -4.647169537 stable

TREML1 -0.50504557 10.85864883 -2.212567303 0.03290143 0.306849536 -4.647956666 stable

RP11-332H18.4 -0.0063855 2.509420662 -2.21237579 0.032915705 0.306861 -4.648338905 stable

ZKSCAN2 0.220115077 5.026204478 2.211775679 0.032960474 0.307085329 -4.649536493 stable

TDGF1 /// TDGF1P3 0.019173436 3.107396134 2.211568868 0.032975914 0.307085329 -4.649949149 stable

LOC101929988 -0.074356494 3.354082752 -2.211528412 0.032978935 0.307085329 -4.650029869 stable

PRB3 -0.202327834 6.328498211 -2.210652279 0.033044425 0.307518975 -4.651777687 stable

ZGPAT -0.08647179 9.461404259 -2.210555652 0.033051655 0.307518975 -4.65197042 stable

CCDC185 -0.062848704 3.827758699 -2.209094464 0.033161155 0.308331254 -4.654884087 stable

ZNF786 0.205936857 7.770492722 2.2090101 0.033167487 0.308331254 -4.655052267 stable

TTC13 0.097498413 9.809001822 2.208866282 0.033178283 0.308331254 -4.655338958 stable

ATAD1 0.112526853 10.17838368 2.206608154 0.033348218 0.309713521 -4.659838464 stable

MAP4K3 0.227172816 7.354247845 2.206539998 0.033353359 0.309713521 -4.659974216 stable

CASC14 -0.134972995 5.772040865 -2.205623053 0.033422593 0.310233941 -4.661800244 stable

CS -0.069150969 12.07511228 -2.205277865 0.033448689 0.310353698 -4.662487508 stable

HCG8 /// ZNRD1-AS1 -0.337570734 7.112776033 -2.204377147 0.03351687 0.310863684 -4.664280431 stable

BBS4 0.103608517 7.526801846 2.203854656 0.033556477 0.310961875 -4.665320215 stable

GMNN 0.289427206 7.014336252 2.203721262 0.033566596 0.310961875 -4.665585646 stable

THUMPD2 -0.093215007 7.643483811 -2.203627888 0.03357368 0.310961875 -4.665771435 stable

MTURN -0.425855236 9.971202542 -2.203408267 0.033590348 0.310961875 -4.666208401 stable

TMEM169 0.046805687 2.697258378 2.203365959 0.03359356 0.310961875 -4.666292574 stable

PIP5KL1 -0.102099367 4.321302377 -2.202799733 0.033636571 0.311153207 -4.667418983 stable

PLS1 0.234975656 3.107581513 2.202630707 0.03364942 0.311153207 -4.667755189 stable

MIR5193 /// UBA7 -0.126529514 9.923575021 -2.202565991 0.033654341 0.311153207 -4.667883907 stable

RP11-629E24.2 0.008953952 2.574458707 2.202397641 0.033667145 0.311153207 -4.668218741 stable

C7orf13 -0.11240822 4.235792328 -2.200034008 0.033847364 0.312695938 -4.672917694 stable

WDR82 0.120801716 12.31426669 2.199802264 0.03386508 0.31273677 -4.673378196 stable

UIMC1 -0.107651636 9.981396739 -2.19962592 0.033878567 0.312738525 -4.673728586 stable

ACVR1 -0.174707766 9.806159419 -2.198817525 0.033940451 0.313131579 -4.675334564 stable

PTER 0.147425598 9.312065613 2.198721991 0.033947771 0.313131579 -4.675524325 stable

CALM1 0.207542604 8.725270037 2.198469046 0.033967159 0.313154691 -4.67602672 stable

TGFB1I1 -0.519720685 7.530635874 -2.198341949 0.033976905 0.313154691 -4.676279141 stable

OSGIN2 0.146756132 9.19268261 2.197803171 0.034018244 0.313303619 -4.677349057 stable

C11orf65 0.016274806 2.856092152 2.197755834 0.034021879 0.313303619 -4.67744305 stable

LIG4 0.17520628 8.096143577 2.197498542 0.034041638 0.313303619 -4.677953906 stable

PIK3C2B -0.2256807 8.467864105 -2.19707395 0.034074268 0.313303619 -4.678796834 stable

PPAPDC2 0.25429802 7.934081192 2.196992745 0.034080512 0.313303619 -4.678958035 stable

ZNF501 0.16433607 3.5163071 2.196928048 0.034085487 0.313303619 -4.679086461 stable

KCTD1 0.186284761 3.964793451 2.196854221 0.034091165 0.313303619 -4.679233007 stable

STX6 0.172191374 9.198117163 2.196744253 0.034099624 0.313303619 -4.679451285 stable

LOC113230 /// MIR1199 -0.308543775 6.9717976 -2.196297746 0.034133991 0.313496917 -4.680337481 stable

C17orf70 -0.075564846 8.453362915 -2.195725094 0.034178112 0.313779615 -4.681473838 stable

ADCY9 0.331311045 8.453107571 2.194903241 0.034241521 0.313968057 -4.6831043 stable

NKX2-3 0.004032042 2.483058817 2.194829722 0.034247199 0.313968057 -4.68325013 stable

GAPDHP73 /// GAPDHP73 -0.15109203 7.371941966 -2.19476256 0.034252386 0.313968057 -4.683383347 stable

UPF2 -0.098445529 10.22374131 -2.194538079 0.034269729 0.313968057 -4.683828587 stable

RAP2A /// RAP2B 0.206451233 7.6954161 2.19444184 0.034277166 0.313968057 -4.684019458 stable

MTFR1L -0.115002606 9.45342176 -2.19442163 0.034278728 0.313968057 -4.684059541 stable

GSK3A -0.084061313 7.923171966 -2.192644571 0.034416326 0.315105644 -4.687582801 stable

AC018755.16 0.122347581 8.198415081 2.191990123 0.034467123 0.315233869 -4.688879775 stable

FAM73B -0.136437488 8.598692484 -2.191581268 0.034498891 0.315233869 -4.689689883 stable

ACOT1 /// ACOT2 0.207091644 6.075695418 2.191402121 0.03451282 0.315233869 -4.69004481 stable

ZNF625 /// ZNF625-ZNF20 0.207649773 5.139806184 2.191329129 0.034518496 0.315233869 -4.690189416 stable

ZNF253 0.118494978 6.241569972 2.191252942 0.034524421 0.315233869 -4.690340346 stable

SLC39A7 0.225065813 7.882267645 2.191240118 0.034525419 0.315233869 -4.69036575 stable

ARMCX4 -0.143144305 4.830213365 -2.191101788 0.034536181 0.315233869 -4.690639779 stable

GAS8 -0.149079071 6.140024983 -2.191058248 0.034539569 0.315233869 -4.690726029 stable

EID1 -0.059164131 13.02487649 -2.190911993 0.034550951 0.315233869 -4.691015737 stable

D21S2088E 0.017457452 3.154995653 2.18989012 0.034630572 0.315837795 -4.693039491 stable

ZNF414 -0.038581599 6.689778014 -2.189545247 0.03465748 0.315947638 -4.693722325 stable

SMIM15 0.182611732 10.73854574 2.189373778 0.034670865 0.315947638 -4.694061794 stable

CCDC88B -0.074605852 9.261633996 -2.189219489 0.034682913 0.315947638 -4.694367234 stable

PTGS1 -0.487285622 10.15203936 -2.18765379 0.034805387 0.316925807 -4.697465838 stable

ZBTB3 0.167372716 6.774017964 2.187502527 0.034817239 0.316925807 -4.697765105 stable

VWA3A -0.045660933 2.648171184 -2.187105967 0.03484833 0.317086097 -4.698549603 stable

TEX11 -0.017743778 3.246226686 -2.186830924 0.034869907 0.317159742 -4.699093645 stable

P2RX5 /// P2RX5-TAX1BP3 /// TAX1BP3 -0.1809946 9.384329762 -2.18607014 0.034929655 0.317554467 -4.700598216 stable

CDC42-IT1 -0.320883503 8.659957255 -2.185934621 0.034940307 0.317554467 -4.700866182 stable

NPM3 0.196547163 7.408546164 2.185537849 0.034971511 0.317706264 -4.701650662 stable

RP3-452M16.1 0.007457729 2.447494396 2.185378839 0.034984024 0.317706264 -4.701965019 stable

CCDC12 0.103608028 10.34332596 2.184109249 0.03508407 0.318469083 -4.704474309 stable

FUBP1 -0.0967274 9.425991945 -2.183945197 0.035097016 0.318469083 -4.704798468 stable

BC045789 -0.077279557 3.097634115 -2.183385596 0.035141208 0.318469083 -4.705904069 stable

NT5C1B-RDH14 /// RDH14 0.115463017 10.23269125 2.183285962 0.035149082 0.318469083 -4.706100893 stable

HERC6 0.009100884 2.380321838 2.183114372 0.035162645 0.318469083 -4.706439848 stable

SBNO1 -0.188126704 5.296242363 -2.18301607 0.035170417 0.318469083 -4.70663402 stable

ZNF271 -0.206098424 9.681726764 -2.182960159 0.035174839 0.318469083 -4.706744458 stable

C8orf33 -0.11122487 8.984072255 -2.182941182 0.035176339 0.318469083 -4.706781941 stable

CAMK4 -0.257019101 7.214700513 -2.18173361 0.035271956 0.318924625 -4.709166606 stable

MSRB3 -0.117618199 2.260606156 -2.181728263 0.03527238 0.318924625 -4.709177164 stable

TRIM68 0.149636554 8.544312793 2.18164609 0.035278895 0.318924625 -4.709339398 stable

EIF3J-AS1 -0.126056715 7.31750502 -2.181459708 0.035293676 0.318924625 -4.709707356 stable

RFNG -0.083014773 8.276640801 -2.181449924 0.035294452 0.318924625 -4.709726671 stable

RP11-199F11.2 -0.348825876 7.111336291 -2.180977542 0.035331939 0.31914076 -4.710659138 stable

MDN1 -0.422584192 6.290151459 -2.180694678 0.035354404 0.319166956 -4.711217429 stable

ZNF607 0.130356041 6.993520925 2.180599338 0.035361978 0.319166956 -4.711405588 stable

PMM1 -0.104046356 7.91675398 -2.180417501 0.035376429 0.319174906 -4.711764438 stable

EIF4G2 -0.142716348 2.707530966 -2.180102914 0.035401441 0.319278106 -4.712385212 stable

LARP4 0.193538037 6.961761465 2.179770832 0.035427862 0.31939392 -4.713040433 stable

ATAD3A /// ATAD3B -0.12520689 6.327160776 -2.179484904 0.035450624 0.319476681 -4.713604528 stable

ARHGAP18 -0.305778088 7.748077423 -2.178079542 0.035562693 0.320363883 -4.71637626 stable

RGS10 -0.199448803 3.600324742 -2.177446891 0.035613245 0.3205819 -4.717623555 stable

PEX11B 0.118072485 10.33176906 2.17743553 0.035614154 0.3205819 -4.717645951 stable

PPBP -0.133540252 15.16334323 -2.177097963 0.035641154 0.320702208 -4.718311356 stable

CTR9 0.105429355 11.12337048 2.176751431 0.03566889 0.320829045 -4.718994353 stable

GLS 0.149778588 9.228418335 2.176333934 0.035702331 0.320871458 -4.719817104 stable

KCNQ4 -0.028700885 2.411228289 -2.176195467 0.035713428 0.320871458 -4.72008995 stable

TRPM4 -0.324852099 3.41396546 -2.176181714 0.035714531 0.320871458 -4.72011705 stable

CRHR1-IT1 /// MGC57346 -0.101974516 5.977930208 -2.175908425 0.035736443 0.320945731 -4.720655517 stable

SNHG8 /// SNORA24 -0.200696824 11.02305802 -2.175384691 0.035778469 0.321200518 -4.721687296 stable

HEATR5A 0.210208911 8.094029756 2.174921994 0.035815633 0.321411485 -4.722598666 stable

COBLL1 -0.700307455 6.08456508 -2.174565573 0.035844284 0.321545924 -4.723300604 stable

APOBR 0.195460251 10.08579712 2.173256485 0.035949692 0.322249528 -4.725877956 stable

SLC25A53 0.173558711 3.589539811 2.173128646 0.03596 0.322249528 -4.726129584 stable

RELB -0.226432566 8.220139312 -2.172868035 0.035981023 0.322249528 -4.72664251 stable

TMEM219 -0.143734322 10.91356217 -2.17283178 0.035983948 0.322249528 -4.726713863 stable

HIST1H4H -0.925082775 8.32783233 -2.17270832 0.035993912 0.322249528 -4.726956834 stable

ZAK -0.264772779 5.188543519 -2.172571931 0.036004922 0.322249528 -4.727225236 stable

IGK /// IGKC -0.48115568 9.74388292 -2.172382131 0.036020248 0.322264073 -4.727598724 stable

UBN1 0.069867348 9.340890125 2.171766615 0.03606999 0.322586403 -4.728809763 stable

PTRH2 0.304649327 8.894061857 2.171471298 0.036093878 0.322677346 -4.72939071 stable

GTF2A1 0.119777767 5.774825449 2.170777455 0.036150056 0.323056788 -4.730755392 stable

FPGT 0.221758709 7.837142808 2.170362684 0.036183676 0.323234422 -4.731571021 stable

ABCB1 /// ABCB4 0.262131235 9.252400242 2.170146551 0.036201205 0.323268243 -4.731995987 stable

ZNF451 -0.203808503 10.68084723 -2.169567394 0.036248216 0.323520735 -4.733134581 stable

ST7-AS1 -0.038239535 2.339010441 -2.169459376 0.03625699 0.323520735 -4.733346912 stable

SLC30A5 0.127800632 9.069269825 2.16875756 0.036314041 0.323906928 -4.734726276 stable

MEA1 -0.087617499 10.61347768 -2.167981977 0.036377182 0.324245867 -4.736250217 stable

AK311120 /// LSAMP 0.015318508 3.381923174 2.16795216 0.036379612 0.324245867 -4.736308796 stable

MIR210HG -0.053881656 2.388297371 -2.167171257 0.036443287 0.324495596 -4.737842742 stable

CHST10 0.168621689 5.539243837 2.167068263 0.036451693 0.324495596 -4.738045023 stable

PNPLA2 -0.162943923 8.89249649 -2.167056577 0.036452647 0.324495596 -4.738067975 stable

DEPTOR -0.199930156 3.523326634 -2.166932021 0.036462815 0.324495596 -4.738312593 stable

MAN1A1 0.223118774 9.307280047 2.166461795 0.036501223 0.324714549 -4.739235982 stable

POMGNT2 0.180649785 7.533609299 2.16619058 0.036523393 0.324774693 -4.7397685 stable

DNAJC27-AS1 0.007465679 2.806643832 2.166041303 0.0365356 0.324774693 -4.740061574 stable

BBS10 0.182447445 6.493638357 2.165671403 0.036565864 0.32480662 -4.740787733 stable

PCDHA5 /// PCDHA6 0.008012111 2.691207144 2.165659848 0.03656681 0.32480662 -4.740810416 stable

LOC101930075 /// LOC102724993 /// NPIPA1 /// NPIPA2 /// NPIPA3 /// NPIPA5 /// NPIPA7 /// NPIPA8 /// PKD1P1 -0.204808811 11.91725785 -2.165388223 0.036589048 0.324881463 -4.741343583 stable

SIN3B -0.140227361 9.53712906 -2.164998417 0.036620983 0.3249201 -4.742108635 stable

PCDH7 -0.007776246 2.499093912 -2.164997872 0.036621027 0.3249201 -4.742109704 stable

SLC2A3 0.185186895 11.01306883 2.1645561 0.036657249 0.325118839 -4.742976617 stable

MAP1LC3C 0.030694642 2.916925628 2.164323101 0.036676366 0.325165777 -4.743433786 stable

USP1 0.076633054 9.562170777 2.163957175 0.036706407 0.325309496 -4.744151697 stable

IGH -0.182585807 7.363577439 -2.163293495 0.036760948 0.325625636 -4.745453529 stable

LOC101928826 /// TPT1 0.032148241 15.8021988 2.163186265 0.036769767 0.325625636 -4.745663836 stable

RNF11 -0.254653207 12.39647678 -2.163004007 0.036784761 0.325635812 -4.746021272 stable

MBNL2 /// MBNL2 -0.367984263 9.27656219 -2.162457008 0.036829792 0.325911793 -4.747093883 stable

HRK /// LOC283454 -0.232834628 3.147555952 -2.161821104 0.036882205 0.326144203 -4.748340563 stable

2-Mar -0.369303402 10.84777744 -2.161801906 0.036883788 0.326144203 -4.748378195 stable

ZSCAN32 0.172136055 8.122095497 2.161253677 0.036929029 0.326421527 -4.74945275 stable

ZNF25 0.164869108 7.843644664 2.160781991 0.036967992 0.32664318 -4.750377106 stable

CXCR6 0.57206175 5.429178724 2.160551361 0.036987057 0.326688907 -4.750829013 stable

MEIS1 -0.733608883 7.244890383 -2.159959072 0.037036056 0.326951098 -4.751989392 stable

STX4 0.105402694 9.609135233 2.159856569 0.037044542 0.326951098 -4.752190186 stable

MAP3K8 0.271018692 8.964246077 2.159247394 0.037095009 0.327160828 -4.753383342 stable

ZC3H6 0.122192401 8.274964902 2.159233945 0.037096124 0.327160828 -4.753409682 stable

DCTN5 0.131181903 7.301777463 2.158979057 0.037117258 0.327224527 -4.753908836 stable

GOSR1 -0.258572852 4.316696489 -2.158711152 0.037139484 0.327297791 -4.754433432 stable

CSNK2B /// LY6G5B -0.309194205 7.257303159 -2.158223097 0.037180004 0.327532158 -4.755388984 stable

MST1L 0.006238573 2.969341228 2.156690506 0.037307497 0.328410984 -4.758388507 stable

LAG3 0.318129973 3.911429832 2.156688205 0.037307689 0.328410984 -4.758393009 stable

FRMD3 -0.436235981 8.079680228 -2.156233765 0.037345567 0.328621433 -4.759282098 stable

GNA13 0.100303957 10.31190284 2.15554301 0.037403208 0.329005559 -4.760633246 stable

LOC100128644 -0.089441574 2.902247514 -2.15525972 0.037426871 0.329090626 -4.761187275 stable

SENP6 -0.077431664 10.88830432 -2.153871349 0.037543028 0.329988626 -4.763901683 stable

DNAL1 0.071577709 2.486095573 2.153433693 0.03757971 0.330138062 -4.76475706 stable

RIMBP3 /// RIMBP3B /// RIMBP3C 0.211555904 6.056468791 2.153326024 0.03758874 0.330138062 -4.764967475 stable

PNOC -0.44327123 8.350174223 -2.153166305 0.037602137 0.330138062 -4.765279591 stable

MAPK6 0.086869549 9.85307305 2.152421735 0.037664649 0.33053145 -4.766734364 stable

TUG1 -0.143826277 10.67307595 -2.152297978 0.037675049 0.33053145 -4.766976128 stable

FXYD5 -0.089368862 13.23156803 -2.15177146 0.03771932 0.330796467 -4.768004577 stable

PNMA3 -0.076723094 5.222403635 -2.15145687 0.037745794 0.330905259 -4.768618971 stable

KIAA0513 -0.27338393 4.854002924 -2.151024819 0.037782179 0.330966831 -4.769462654 stable

AGGF1 0.069671635 8.41685851 2.150853232 0.037796638 0.330966831 -4.769797682 stable

NDUFS4 -0.307326901 5.635550701 -2.150642263 0.037814422 0.330966831 -4.770209575 stable

DCTN2 -0.096479177 10.36476801 -2.150548741 0.037822308 0.330966831 -4.770392156 stable

LOC102724938 0.01276685 2.865274531 2.150457713 0.037829985 0.330966831 -4.770569861 stable

SMURF1 0.19559372 7.702600448 2.150371655 0.037837244 0.330966831 -4.770737859 stable

SOS2 0.153212579 9.126471733 2.149631313 0.037899744 0.33139029 -4.772182899 stable

TPST2 0.201020228 10.76831672 2.148940217 0.037958169 0.331777815 -4.773531467 stable

VDAC2 -0.072680365 11.62399011 -2.148518391 0.03799387 0.331857615 -4.774354428 stable

MDM2 0.00401355 2.539245846 2.148498933 0.037995517 0.331857615 -4.774392386 stable

ID3 0.564463026 7.694918496 2.147485228 0.038081434 0.332338946 -4.77636954 stable

SELP -0.406103133 8.534788388 -2.147402453 0.038088457 0.332338946 -4.776530953 stable

MLXIP -0.201801708 5.912515784 -2.147206179 0.038105115 0.332338946 -4.776913675 stable

FMO1 -0.009213472 2.455840163 -2.147182278 0.038107144 0.332338946 -4.776960278 stable

C6orf136 0.076118524 9.32206007 2.146873351 0.038133377 0.332444464 -4.777562603 stable

C5orf28 -0.315276663 9.333702014 -2.144429399 0.038341472 0.334134779 -4.782325265 stable

LOC730098 -0.0614968 2.909823709 -2.144203474 0.03836076 0.334179047 -4.782765324 stable

LOC101928731 0.004243816 2.469848774 2.143430431 0.03842682 0.334617286 -4.784270782 stable

ABHD10 0.173964582 9.441913992 2.143281966 0.038439518 0.334617286 -4.784559861 stable

VCX2 -0.051340073 2.828864093 -2.142988137 0.038464661 0.334712279 -4.785131935 stable

R3HCC1L 0.193052293 7.024461913 2.142570263 0.038500443 0.334899749 -4.785945412 stable

RUFY1 -0.331200304 11.88096534 -2.141030772 0.038632522 0.335924417 -4.788941271 stable

AP006547.3 -0.02194662 3.837565054 -2.14059886 0.038669649 0.335939053 -4.78978147 stable

LOC440434 -0.128509793 10.0677206 -2.140572596 0.038671908 0.335939053 -4.789832558 stable

LOC101929886 /// PGM5-AS1 -0.450578706 6.885367679 -2.140512776 0.038677053 0.335939053 -4.789948914 stable

SNHG1 /// SNORD22 /// SNORD25 /// SNORD26 /// SNORD27 /// SNORD28 /// SNORD29 /// SNORD30 /// SNORD31 -0.195797606 11.09327661 -2.140306572 0.038694792 0.335969067 -4.790349983 stable

B4GALT3 0.104110026 9.236807074 2.1393828 0.038774351 0.336535611 -4.792146358 stable

TANC2 0.15746825 3.526932525 2.139080874 0.038800385 0.336637352 -4.792733354 stable

PRDM2 0.123438851 9.082015285 2.138349656 0.0388635 0.337060616 -4.794154697 stable

LEMD3 0.081483624 10.9405297 2.13805385 0.038889059 0.337100149 -4.794729577 stable

LINC01082 -0.01957768 2.744201895 -2.137777544 0.038912945 0.337100149 -4.795266503 stable

IFT88 -0.150584777 8.583712246 -2.137507637 0.038936291 0.337100149 -4.795790941 stable

EIF3H -0.087642123 13.6129075 -2.137486213 0.038938145 0.337100149 -4.795832567 stable

HOXC8 -0.07916913 3.88783322 -2.137468036 0.038939718 0.337100149 -4.795867885 stable

C14orf2 -0.100138875 10.65408178 -2.135928364 0.039073141 0.338037284 -4.798858481 stable

PDIA3 0.111051092 13.21464893 2.135726667 0.03909065 0.338037284 -4.799250122 stable

SUCNR1 -0.659812321 5.12406976 -2.135721654 0.039091085 0.338037284 -4.799259857 stable

RBM3 -0.171342878 11.64812965 -2.135401591 0.039118883 0.33815334 -4.799881273 stable

CALD1 -0.369944527 5.502063162 -2.13482003 0.039169436 0.338451872 -4.801010213 stable

DYNLT1 0.152898743 12.48675906 2.13467334 0.039182197 0.338451872 -4.801294934 stable

BTAF1 -0.109673211 11.07211003 -2.134353804 0.039210005 0.338567746 -4.801915088 stable

POLR3C -0.122578433 8.565631678 -2.134113359 0.039230943 0.338597211 -4.802381695 stable

LYRM2 -0.112959355 9.645534598 -2.133984022 0.039242209 0.338597211 -4.802632669 stable

IL37 0.017155453 3.184404274 2.133608712 0.039274918 0.338755167 -4.803360876 stable

NEK8 -0.17483772 4.573627779 -2.133103615 0.039318975 0.338981567 -4.804340747 stable

ARHGAP11B /// LOC100288637 -0.106078712 2.830400185 -2.132977418 0.03932999 0.338981567 -4.804585538 stable

BARX1 -0.040883381 3.110140972 -2.132482954 0.039373173 0.339229454 -4.80554456 stable

BLOC1S2 -0.121940238 11.35645824 -2.132214856 0.039396605 0.339307044 -4.806064467 stable

BTN3A2 /// BTN3A3 0.148331462 13.19470877 2.131869265 0.039426827 0.339443044 -4.806734578 stable

TMEM106C -0.267889511 8.51162154 -2.131329727 0.039474051 0.339456909 -4.807780585 stable

DCAF12 0.235098296 10.48782446 2.131109648 0.039493328 0.339456909 -4.808207195 stable

BPHL -0.129643992 5.713701309 -2.130943295 0.039507905 0.339456909 -4.808529636 stable

BLOC1S6 -0.200694214 11.57585767 -2.130893908 0.039512233 0.339456909 -4.808625359 stable

CANT1 0.227078488 7.501478651 2.130689604 0.039530144 0.339456909 -4.809021328 stable

LOC613266 -0.067416414 2.598093576 -2.130439467 0.039552082 0.339456909 -4.809506085 stable

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YIF1B -0.191598914 9.498650784 -2.130380171 0.039557284 0.339456909 -4.809620993 stable

ALOX5AP 0.145318339 12.20525545 2.130328828 0.039561789 0.339456909 -4.809720485 stable

PRR14L 0.020343888 2.996417674 2.130111687 0.039580846 0.339456909 -4.810141244 stable

TTC7B -0.433172424 8.256745654 -2.130039417 0.03958719 0.339456909 -4.810281276 stable

MAL -0.287905633 11.30457481 -2.129486486 0.039635761 0.33974207 -4.81135252 stable

CCDC147 0.010692568 2.673414659 2.129332075 0.039649334 0.33974207 -4.811651636 stable

NOL10 0.023599284 3.583006902 2.128927274 0.039684936 0.339923303 -4.81243571 stable

POLE2 0.241920974 4.453288292 2.128658735 0.03970857 0.339990302 -4.812955789 stable

SUPT5H -0.088088304 9.801840623 -2.128509974 0.039721668 0.339990302 -4.813243872 stable

DCAF8 0.212007609 5.048075076 2.127356284 0.039823373 0.340736836 -4.815477509 stable

PNN -0.155705994 7.563752222 -2.126884441 0.039865036 0.340969273 -4.816390761 stable

SLC18A2 -0.29403122 5.089667524 -2.126243394 0.0399217 0.340995424 -4.81763125 stable

CSTF3 0.125099256 8.833863753 2.126224729 0.03992335 0.340995424 -4.817667364 stable

FBXO16 /// ZNF395 -0.210384876 8.311443248 -2.126164803 0.039928651 0.340995424 -4.81778331 stable

PLEKHF2 -0.165933847 11.22760019 -2.12611236 0.039933291 0.340995424 -4.817884776 stable

ALS2CR12 -0.053692431 3.670246534 -2.126029969 0.03994058 0.340995424 -4.818044182 stable

HLTF 0.14162315 9.309704975 2.12575909 0.039964556 0.341068899 -4.818568229 stable

ZFAND5 0.142794689 13.07062505 2.125605132 0.039978188 0.341068899 -4.818866056 stable

GNE 0.088614773 8.498784961 2.125092434 0.040023614 0.341332643 -4.81985773 stable

ANAPC11 0.013017118 2.21431031 2.1244856 0.04007744 0.341512487 -4.821031241 stable

TMEM158 -0.591358544 9.357895124 -2.124126625 0.040109311 0.341512487 -4.821725311 stable

RND2 -0.010718646 2.81224219 -2.123904835 0.040129014 0.341512487 -4.822154091 stable

THNSL2 -0.022667356 2.594036289 -2.123894245 0.040129955 0.341512487 -4.822174562 stable

GPR116 0.006408609 2.332753495 2.123881963 0.040131046 0.341512487 -4.822198306 stable

MAST2 0.133223738 7.387477469 2.123764734 0.040141464 0.341512487 -4.822424924 stable

DHRS4-AS1 0.078672866 4.546852102 2.123709889 0.040146338 0.341512487 -4.822530944 stable

AGO2 /// CASC7 /// CASC7 /// DQ574852 0.143041108 6.843806849 2.123143078 0.040196748 0.341817684 -4.823626502 stable

IGH /// IGHA1 /// IGHA2 /// IGHG1 /// IGHG2 /// IGHG3 /// IGHM /// IGHV4-31 /// LOC102725526 -0.480613034 10.30894895 -2.122884294 0.040219782 0.34188995 -4.824126614 stable

SLBP 0.061847051 11.53466688 2.122431818 0.040260084 0.342091291 -4.825000931 stable

EIF5B -0.104936104 10.83812601 -2.122291871 0.040272556 0.342091291 -4.82527132 stable

AX746968 -0.031894563 2.888081532 -2.121921462 0.040305583 0.342248241 -4.825986913 stable

R3HDM4 -0.179965494 12.17279096 -2.121176156 0.040372111 0.34254865 -4.827426468 stable

SP4 0.400827043 5.027313968 2.120898669 0.040396905 0.34254865 -4.827962331 stable

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COX6CP2 /// COX6CP2 0.006497622 2.592462259 2.119746208 0.040500022 0.343157575 -4.83018729 stable

DCAF12L2 0.007234237 2.847051041 2.119744114 0.04050021 0.343157575 -4.830191331 stable

SETMAR -0.098127534 3.142167467 -2.119544687 0.040518077 0.343169374 -4.830576251 stable

GORASP1 -0.183410614 9.132541585 -2.119402929 0.040530782 0.343169374 -4.830849844 stable

RAD51-AS1 -0.179043074 7.720661091 -2.119076572 0.040560045 0.343293562 -4.83147966 stable

LINC00173 -0.14122376 2.677672241 -2.118638595 0.040599345 0.343502586 -4.832324762 stable

LOC100506319 -0.048700892 2.859173321 -2.118036534 0.040653423 0.343800863 -4.833486251 stable

MIR4723 /// TMEM199 0.141964645 8.629570088 2.117862618 0.040669057 0.343800863 -4.833821718 stable

NPPA -0.09804468 6.08958161 -2.117442947 0.040706803 0.343800863 -4.834631135 stable

MTERF1 0.149701704 6.98270211 2.117390988 0.040711478 0.343800863 -4.83473134 stable

SLC25A17 0.138796574 8.212068009 2.117341104 0.040715967 0.343800863 -4.83482754 stable

BAZ2A -0.092707046 9.955014317 -2.117270752 0.040722299 0.343800863 -4.834963211 stable

LOC100131510 -0.201997557 5.861682889 -2.117084525 0.040739065 0.343818994 -4.835322322 stable

ZNF396 0.018345371 3.279870951 2.11652179 0.040789762 0.344123382 -4.836407321 stable

LINC00216 -0.050998835 2.224458142 -2.116226681 0.040816371 0.344224401 -4.836976223 stable

LOC101929036 /// PAH 0.021429956 2.95542901 2.115838867 0.040851362 0.344291881 -4.837723747 stable

ATG4B 0.135867604 7.436339688 2.115813545 0.040853647 0.344291881 -4.837772552 stable

SOX13 0.009827445 2.333143092 2.115272202 0.040902537 0.344580437 -4.838815815 stable

CSTF2 0.184267586 6.867030108 2.115104309 0.04091771 0.344584844 -4.83913933 stable

TTLL11-IT1 0.008374502 2.367456792 2.114925239 0.040933899 0.344595919 -4.839484362 stable

SREK1 -0.21397802 5.328718995 -2.114765705 0.040948327 0.344595919 -4.839791731 stable

RP11-27I1.6 -0.145393603 3.514746897 -2.114559514 0.04096698 0.344619108 -4.840188966 stable

CMPK1 0.005230225 2.390006049 2.114183231 0.041001041 0.344619108 -4.840913813 stable

LOC101930288 /// LOC101930531 0.014614601 3.221124214 2.114147886 0.041004241 0.344619108 -4.840981893 stable

PGBD5 0.006132436 2.30824901 2.114056049 0.041012559 0.344619108 -4.841158784 stable

FAM222A 0.009807673 2.476061816 2.113859845 0.041030333 0.344619108 -4.841536678 stable

ARFGAP3 0.126714295 10.70442731 2.113764292 0.041038992 0.344619108 -4.841720708 stable

SLC6A4 -0.344053909 4.143572286 -2.113221567 0.041088202 0.344831888 -4.842765831 stable

NRG1-IT1 0.007443768 2.529125785 2.112928343 0.041114811 0.344831888 -4.843330405 stable

ATP11B 0.11482808 7.083588039 2.112888596 0.041118419 0.344831888 -4.843406928 stable

RAI2 0.008314145 2.929838355 2.112838436 0.041122973 0.344831888 -4.843503499 stable

ATP6AP1L 0.009898843 2.700744466 2.112478958 0.041155621 0.344937605 -4.844195528 stable

CETN3 0.155100306 9.841314585 2.112376717 0.04116491 0.344937605 -4.844392335 stable

TMEM186 0.177890504 8.159350728 2.111905954 0.041207708 0.345173255 -4.845298423 stable

ASCC2 -0.10345209 9.644481149 -2.109228073 0.041451904 0.346898338 -4.850449563 stable

AADAT -0.013713212 3.175181351 -2.109195726 0.041454861 0.346898338 -4.850511754 stable

LOC100996583 -0.269067254 5.698363389 -2.109162507 0.041457898 0.346898338 -4.85057562 stable

MAP4K1 -0.133932437 10.11036665 -2.1089597 0.041476446 0.346930119 -4.850965516 stable

ATG14 -0.0876028 9.429942382 -2.107256329 0.041632519 0.348111799 -4.854239078 stable

CTD-3092A11.2 -0.228996814 11.82943475 -2.105924909 0.041754871 0.348643214 -4.856796359 stable

MIR6789 /// PLEKHJ1 -0.116558668 8.721926596 -2.105804536 0.041765949 0.348643214 -4.8570275 stable

AC128677.4 /// CH17-132F21.1 /// IGKV1OR-1 /// IGKV1OR-1 /// IGKV1OR10-1 /// IGKV1OR10-1 /// IGKV1OR2-2 -0.433063787 9.150012513 -2.105789415 0.041767341 0.348643214 -4.857056533 stable

YAF2 0.125142182 8.134916981 2.105767683 0.041769341 0.348643214 -4.857098261 stable

CRYL1 -0.183680979 8.870633026 -2.105672004 0.041778148 0.348643214 -4.857281974 stable

SLC9A6 0.094077444 10.55958707 2.105476481 0.041796151 0.348643214 -4.857657374 stable

GPATCH8 0.092833507 10.34817578 2.10543651 0.041799833 0.348643214 -4.857734115 stable

LOC100132686 -0.046953228 2.615624809 -2.105019834 0.041838225 0.348839732 -4.858534022 stable

PIGO 0.087321383 8.2542988 2.104760835 0.041862104 0.34891515 -4.859031167 stable

GRIPAP1 -0.11117225 8.716150563 -2.104195004 0.041914315 0.349226569 -4.860117106 stable

CCT6A 0.111798216 9.689698394 2.103737839 0.041956541 0.349294354 -4.860994323 stable

TMEM192 -0.113181758 8.879028248 -2.103448685 0.041983268 0.349294354 -4.861549081 stable

SNX22 -0.221280565 4.355358096 -2.103424951 0.041985462 0.349294354 -4.861594612 stable

CIDECP 0.044459631 3.440237976 2.103290637 0.041997883 0.349294354 -4.861852277 stable

PCNXL4 0.298065978 4.666413794 2.103150952 0.042010803 0.349294354 -4.862120233 stable

NFKB1 -0.093734805 10.85307863 -2.103142852 0.042011552 0.349294354 -4.862135771 stable

LINC01019 0.004886004 2.452985887 2.102795419 0.042043705 0.349438156 -4.862802181 stable

KIR3DX1 0.109519952 3.93576994 2.10185227 0.042131096 0.350036351 -4.864610796 stable

NEFM 0.005142416 2.740761241 2.101657252 0.042149186 0.350036351 -4.864984689 stable

CENPA -0.046146253 2.488613915 -2.101537214 0.042160324 0.350036351 -4.865214815 stable

CHAC2 0.337437142 6.988431383 2.101331176 0.042179448 0.350071559 -4.865609788 stable

SLCO4A1 -0.112382415 2.874799342 -2.100734431 0.04223488 0.350407976 -4.866753567 stable

LOC100509303 0.012617851 2.990599592 2.10011035 0.04229292 0.350682739 -4.867949468 stable

TDRD1 0.005062422 2.609604056 2.099972156 0.042305781 0.350682739 -4.868214246 stable

RP4-714D9.5 0.147085558 4.429605458 2.099876757 0.042314662 0.350682739 -4.868397021 stable

NEURL3 -0.124820335 4.076532815 -2.099640486 0.042336663 0.350682739 -4.868849662 stable

TRPT1 -0.128559977 8.417707049 -2.09957735 0.042342544 0.350682739 -4.86897061 stable

FAM195A -0.170038615 8.017601145 -2.09838762 0.042453498 0.351358321 -4.871249199 stable

ZNF653 0.087836914 4.36752503 2.09812875 0.042477674 0.351358321 -4.871744856 stable

NT5DC1 -0.081534845 9.198122399 -2.098063557 0.042483764 0.351358321 -4.871869671 stable

ERCC4 0.291764192 5.068058885 2.097858398 0.042502935 0.351358321 -4.872262445 stable

AKAP2 /// PALM2 /// PALM2-AKAP2 0.00879992 2.891594092 2.097819105 0.042506607 0.351358321 -4.872337666 stable

ZNF236 0.116694903 5.865192019 2.097715715 0.042516272 0.351358321 -4.87253559 stable

RAB43 0.144390059 6.677069857 2.097582981 0.042528682 0.351358321 -4.872789674 stable

LOC102725016 /// PPP2R3B -0.036314378 3.281127622 -2.097043326 0.042579173 0.35159411 -4.873822578 stable

HCCS 0.314794583 8.860950799 2.096958452 0.042587119 0.35159411 -4.873985008 stable

SPIB -0.495495761 10.06980531 -2.096489347 0.042631058 0.351833378 -4.874882678 stable

RACGAP1P 0.010244429 2.878682449 2.096175142 0.042660511 0.35195296 -4.875483844 stable

IQCB1 -0.134067395 8.738661414 -2.095563521 0.042717895 0.352302808 -4.876653851 stable

PALB2 0.189560513 7.977043079 2.095313728 0.04274135 0.352343015 -4.877131617 stable

GLI1 -0.077325338 3.06505821 -2.095192583 0.04275273 0.352343015 -4.877363308 stable

FBXO31 0.135177754 5.710749484 2.094706402 0.042798426 0.352596066 -4.878293029 stable

POLR3D 0.15022198 7.52380566 2.094071695 0.042858145 0.352893483 -4.879506517 stable

MTOR -0.055260136 7.974097756 -2.094003854 0.042864533 0.352893483 -4.879636203 stable

KCNMB3 -0.043228 2.762234005 -2.093607849 0.042901835 0.353077 -4.880393153 stable

CDH10 0.007397277 3.068222508 2.092813277 0.042976767 0.353569968 -4.881911607 stable

CTD-2555O16.4 /// MTHFD1 -0.360214884 5.903072917 -2.092526145 0.043003873 0.353669266 -4.882460211 stable

CCL1 0.007119936 2.622151748 2.092174036 0.043037134 0.353773901 -4.883132883 stable

PIK3IP1 -0.388839454 9.29414071 -2.092040837 0.043049722 0.353773901 -4.883387324 stable

FBXW7 -0.097262147 9.822079477 -2.091913928 0.043061718 0.353773901 -4.883629737 stable

ZNF331 -0.221500464 8.902773726 -2.091659348 0.043085792 0.353787847 -4.884115985 stable

CYP2B7P 0.021807783 3.004654744 2.091577883 0.043093499 0.353787847 -4.884271573 stable

ZNF75D 0.114640445 8.288876308 2.09056489 0.043189423 0.354451649 -4.886205863 stable

ZMYM1 0.129848833 7.063798262 2.090289425 0.043215541 0.354542286 -4.886731729 stable

KIR2DL4 1.178971197 4.493361667 3.42052055 0.001487971 0.047430832 -1.798120612 up

C16orf74 -0.296374207 7.084143101 -2.089076441 0.043330711 0.35512351 -4.889046673 stable

JUND -0.140969251 9.69535412 -2.089066237 0.043331681 0.35512351 -4.889066143 stable

SPTA1 0.006950594 2.529203945 2.088788749 0.043358067 0.355215982 -4.88959557 stable

NPAS1 -0.076758412 5.539952206 -2.088011872 0.043432012 0.355521613 -4.891077492 stable

PARN -0.080075047 9.551815943 -2.08780792 0.043451443 0.355521613 -4.891466467 stable

MISP -0.060173839 3.77834673 -2.087780522 0.043454054 0.355521613 -4.891518718 stable

WFDC21P -0.178933255 3.353598546 -2.087673707 0.043464234 0.355521613 -4.891722419 stable

RFK 0.170059362 10.18850074 2.087603275 0.043470948 0.355521613 -4.891856732 stable

KCNK17 -0.055061797 2.61629223 -2.086946533 0.043533594 0.355910205 -4.893108955 stable

MRPS15 -0.085804158 9.548282135 -2.086784669 0.043549046 0.355912825 -4.893417537 stable

FOXP1-IT1 -0.227869381 8.090018433 -2.086507764 0.043575492 0.356005259 -4.893945391 stable

VAC14 -0.13195969 6.265434783 -2.086208993 0.043604042 0.356114814 -4.894514867 stable

FLJ31713 0.009014531 2.709030359 2.085374026 0.043683916 0.356643316 -4.896106016 stable

KIAA1586 0.118484965 5.635591587 2.084312811 0.043785619 0.357349601 -4.898127582 stable

C17orf85 0.104923669 7.525540262 2.084022195 0.043813507 0.357392558 -4.898681048 stable

SYAP1 0.116646382 10.07734889 2.083941306 0.043821272 0.357392558 -4.898835086 stable

EHD3 -0.41818683 9.703129996 -2.083723962 0.043842142 0.357438829 -4.899248958 stable

TMED6 -0.084671153 2.421261758 -2.083372271 0.043875931 0.357514035 -4.899918582 stable

INCENP 0.062590695 2.506005508 2.083277086 0.04388508 0.357514035 -4.900099799 stable

CMIP -0.188216274 11.59146927 -2.083092241 0.043902851 0.357514035 -4.900451697 stable

IKBIP 0.284488636 8.560142537 2.082987454 0.043912928 0.357514035 -4.900651174 stable

LTBP1 -0.432700938 7.732190011 -2.08283737 0.043927365 0.357514035 -4.900936866 stable

SF1 -0.316420914 6.322798496 -2.082372895 0.043972071 0.357754092 -4.901820915 stable

LINGO2 0.212027403 2.756879654 2.081628011 0.044043849 0.358175337 -4.903238343 stable

LRIG2 -0.123344583 7.931399111 -2.081201245 0.044085019 0.358175337 -4.904050247 stable

KCTD11 0.212604985 7.309897805 2.081149846 0.04408998 0.358175337 -4.904148023 stable

POLB 0.140704403 10.19248242 2.081117322 0.044093119 0.358175337 -4.904209892 stable

PSMD11 -0.162286104 8.576957704 -2.081041542 0.044100434 0.358175337 -4.904354042 stable

CEP57L1 0.059855906 4.217531754 2.080888467 0.044115214 0.358175337 -4.90464521 stable

SP110 -0.106969224 11.25856653 -2.080551741 0.044147741 0.358315744 -4.905285648 stable

NRROS 0.337532205 9.815248809 2.079988006 0.044202244 0.358634354 -4.906357658 stable

RABEP1 0.160015219 8.017174514 2.078780586 0.044319179 0.359459107 -4.90865294 stable

COL6A2 0.363285655 8.830020351 2.078018896 0.044393086 0.359874735 -4.91010035 stable

CCDC28A 0.122255018 10.65121803 2.07793715 0.044401024 0.359874735 -4.910255665 stable

SEC23B 0.191595969 8.061981135 2.077634815 0.044430394 0.359988733 -4.910830046 stable

VDAC3 0.185440855 3.679417368 2.077378636 0.044455293 0.360066445 -4.911316686 stable

KPNA2 0.142914853 10.605806 2.077084652 0.044483882 0.360173976 -4.911875082 stable

SNRPN /// SNURF -0.369072066 9.140615313 -2.076647605 0.044526414 0.360378868 -4.912705097 stable

PBDC1 0.106637583 9.595389244 2.076509806 0.044539831 0.360378868 -4.912966768 stable

BEND5 -0.169039586 2.786143302 -2.076092736 0.044580463 0.360583583 -4.913758673 stable

LMNA -0.394434709 7.033079097 -2.075873385 0.044601845 0.360591343 -4.914175111 stable

FOSL1 -0.079054151 2.375635417 -2.075728069 0.044616015 0.360591343 -4.914450972 stable

LAX1 0.183781851 9.272732421 2.075611208 0.044627414 0.360591343 -4.914672808 stable

LGALS4 -0.039741924 2.311997136 -2.075453285 0.044642821 0.360591965 -4.914972572 stable

EXOC1 0.095489087 10.85075287 2.074304063 0.044755085 0.361374651 -4.917153444 stable

THBD 0.568156436 5.881737183 2.073896193 0.044794988 0.361572722 -4.917927224 stable

S100A13 -0.209936651 6.271360467 -2.073146422 0.044868421 0.361889252 -4.919349318 stable

ULK2 0.323284755 6.769119807 2.073070573 0.044875856 0.361889252 -4.919493159 stable

RP11-218C14.8 0.010456381 2.460131771 2.072933138 0.04488933 0.361889252 -4.91975378 stable

BC039681 /// RP5-1157M23.2 -0.173058268 4.771781586 -2.072867706 0.044895746 0.361889252 -4.919877854 stable

PLEKHO1 -0.124614078 12.27118709 -2.071907084 0.044990034 0.362495157 -4.921699074 stable

BIRC6 0.12037902 11.40823065 2.07178798 0.045001737 0.362495157 -4.921924835 stable

FANCL 0.192570529 7.989879347 2.071573439 0.045022824 0.362540853 -4.922331466 stable

KIAA1143 0.107690149 10.60702164 2.071320819 0.045047664 0.362616052 -4.92281023 stable

TMEM19 0.232727499 3.746762464 2.071164959 0.045062996 0.362616052 -4.923105591 stable

HARS2 0.127625551 8.890456038 2.070927075 0.045086405 0.362634241 -4.923556355 stable

C10orf82 -0.171902559 3.447010712 -2.070772013 0.045101669 0.362634241 -4.92385016 stable

COLQ 0.496362415 6.781486752 2.070595311 0.04511907 0.362634241 -4.924184945 stable

C3orf58 0.238667933 11.0565284 2.070515555 0.045126926 0.362634241 -4.924336045 stable

NASP /// NASP 0.267009116 3.096842376 2.070284714 0.04514967 0.362693098 -4.924773356 stable

EARS2 -0.072135139 3.754345714 -2.07001038 0.045176713 0.362775593 -4.92529301 stable

SCN3A -0.854017114 5.552302335 -2.069867663 0.045190786 0.362775593 -4.925563328 stable

GP9 -0.383016398 8.669332915 -2.069508867 0.045226186 0.362827573 -4.926242854 stable

EGLN2 /// RAB4B-EGLN2 0.092463069 10.8176131 2.069341773 0.04524268 0.362827573 -4.926559282 stable

3-Mar -0.370380051 6.457802171 -2.069294258 0.045247371 0.362827573 -4.926649258 stable

LOC653160 0.142861213 5.539600625 2.069091697 0.045267375 0.362827573 -4.927032815 stable

MED13 0.068389222 9.844076306 2.068873074 0.045288974 0.362827573 -4.927446754 stable

FNDC3A 0.093848458 10.11896323 2.068864557 0.045289816 0.362827573 -4.927462879 stable

CSNK2A1 /// NFE2L2 0.087597602 7.968299581 2.068447877 0.045331007 0.363033918 -4.928251716 stable

BAG2 0.216181679 7.312855639 2.067752537 0.045399819 0.363258349 -4.929567815 stable

NOP9 0.18493935 5.551670719 2.067610495 0.045413887 0.363258349 -4.92983662 stable

ABHD6 0.399566666 7.186216678 2.06754564 0.045420312 0.363258349 -4.929959351 stable

SFPQ -0.082280906 10.19377863 -2.067540637 0.045420807 0.363258349 -4.929968818 stable

CYTIP 0.17048436 12.33805919 2.066218005 0.045552002 0.364183769 -4.932471039 stable

LOC100506098 -0.087545484 2.462380569 -2.06603061 0.045570617 0.364208798 -4.932825458 stable

TAF10 -0.098010904 12.53475775 -2.065648983 0.045608547 0.364383067 -4.933547149 stable

AGPAT6 -0.112713657 9.561847815 -2.06540961 0.045632352 0.364383067 -4.93399977 stable

SCG3 0.008910306 2.985771736 2.065039002 0.04566923 0.364383067 -4.934700455 stable

GPATCH2 -0.118046777 7.096898072 -2.064964121 0.045676685 0.364383067 -4.934842016 stable

PSPC1 0.102679446 9.333350961 2.064739811 0.045699021 0.364383067 -4.935266044 stable

FAM46C -0.353578259 9.076397318 -2.06472805 0.045700192 0.364383067 -4.935288277 stable

SCAND1 -0.152668784 10.56726886 -2.064721294 0.045700865 0.364383067 -4.935301048 stable

VAX2 -0.026457795 3.280276178 -2.064528532 0.045720068 0.364412647 -4.935665406 stable

IGKV1OR2-108 /// IGKV1OR2-108 -0.456790103 10.39925385 -2.064249757 0.045747852 0.36451058 -4.936192299 stable

TRH 0.0075504 2.489245758 2.063614126 0.045811258 0.364865146 -4.937393446 stable

FAM124A -0.087763745 3.284112146 -2.063492723 0.045823377 0.364865146 -4.937622825 stable

PTGES3 0.063644121 13.58479836 2.062893083 0.045883276 0.365218457 -4.938755636 stable

SCARNA15 -0.106774494 7.979374025 -2.062154749 0.045957125 0.365598847 -4.9401501 stable

LOC101926996 0.015557345 2.741700253 2.062053497 0.04596726 0.365598847 -4.940341299 stable

GSTA1 -0.114588354 3.646348869 -2.06194926 0.045977696 0.365598847 -4.940538127 stable

UBLCP1 0.11275155 10.40422053 2.061785859 0.04599406 0.365605369 -4.940846659 stable

NHP2P2 /// NHP2P2 -0.048400125 8.369765144 -2.061377534 0.046034974 0.365806969 -4.941617564 stable

HLA-B 0.050049225 15.35180469 2.060661879 0.04610676 0.366058567 -4.942968405 stable

ZNF141 0.14961074 6.040452001 2.060653483 0.046107602 0.366058567 -4.942984252 stable

PADI1 -0.061524719 5.55408276 -2.060596468 0.046113326 0.366058567 -4.943091854 stable

PRTFDC1 -0.37424952 6.141026392 -2.060362738 0.046136795 0.366081811 -4.94353294 stable

IFI16 0.111157914 12.47591636 2.060257332 0.046147382 0.366081811 -4.943731845 stable

BNIP3L -0.103350269 12.43204213 -2.059617108 0.046211734 0.366468708 -4.944939798 stable

NDUFV2 -0.096625493 10.69519132 -2.059376522 0.046235936 0.36653706 -4.945393651 stable

SCNN1B 0.004412225 2.206710017 2.058979376 0.046275913 0.366730373 -4.94614275 stable

KSR2 0.009070338 2.965544237 2.057242862 0.046451065 0.367994445 -4.94941682 stable

EIF4ENIF1 0.09167993 9.704558901 2.057029852 0.04647259 0.368041009 -4.949818282 stable

MIR31HG 0.005469787 2.440435075 2.056294354 0.046546981 0.368363247 -4.951204227 stable

CSAG2 /// CSAG3 -0.069934631 2.870209519 -2.056099167 0.04656674 0.368363247 -4.951571964 stable

IFNL2 /// IFNL3 0.006786375 2.78217551 2.056075583 0.046569128 0.368363247 -4.951616395 stable

SLC25A32 -0.105493975 9.267580875 -2.055917723 0.046585114 0.368363247 -4.951913783 stable

LL22NC03-N27C7.1 /// ZNF70 0.130658865 3.925071277 2.055853848 0.046591584 0.368363247 -4.952034111 stable

CYSLTR2 0.351905046 6.020407441 2.055673134 0.046609894 0.368384176 -4.952374523 stable

VSX1 0.01314649 2.659018153 2.055163375 0.046661574 0.368668755 -4.953334628 stable

NME1-NME2 /// NME2 -0.071802782 12.50994068 -2.054951087 0.046683111 0.368715063 -4.953734407 stable

OIP5-AS1 0.08543565 12.20634309 2.054397545 0.04673931 0.368847347 -4.954776671 stable

TVP23B 0.154594095 8.856849907 2.054174683 0.046761953 0.368847347 -4.955196237 stable

LOC647070 -0.102526679 5.216488221 -2.053997112 0.046780001 0.368847347 -4.955530508 stable

RP11-548M13.1 -0.103322156 4.04795751 -2.053784756 0.046801593 0.368847347 -4.955930232 stable

SLC5A6 -0.116469009 7.441383584 -2.053702457 0.046809963 0.368847347 -4.956085137 stable

PATE2 0.005889732 2.459779618 2.053633378 0.04681699 0.368847347 -4.956215155 stable

TNFAIP8L1 -0.09990961 8.317955377 -2.05356798 0.046823643 0.368847347 -4.956338242 stable

TASP1 0.149099288 8.056039857 2.053551568 0.046825313 0.368847347 -4.95636913 stable

HNRNPA1 -0.108919953 12.53587948 -2.053321444 0.046848731 0.36890827 -4.956802222 stable

CABP5 -0.526482088 7.992004248 -2.052957609 0.046885778 0.369012483 -4.95748688 stable

MCTP2 0.009911435 2.044065462 2.052713907 0.046910606 0.369012483 -4.957945418 stable

ZNF284 0.134070177 7.311834915 2.052603192 0.04692189 0.369012483 -4.958153719 stable

MPPE1 -0.084585252 8.787697064 -2.052449979 0.046937508 0.369012483 -4.958441963 stable

OVGP1 -0.370170752 6.031129567 -2.052172148 0.046965842 0.369012483 -4.958964609 stable

HIST1H2AD /// HIST1H3A /// HIST1H3B /// HIST1H3C /// HIST1H3D /// HIST1H3E /// HIST1H3F /// HIST1H3G /// HIST1H3H /// HIST1H3I /// HIST1H3J -0.404633041 4.68655478 -2.052156997 0.046967388 0.369012483 -4.958993109 stable

SEC23A 0.091651656 8.969312216 2.05200499 0.046982897 0.369012483 -4.959279034 stable

MKRN1 -0.073941128 12.12546805 -2.051960129 0.046987475 0.369012483 -4.959363414 stable

R3HDM2 -0.070628181 10.42964838 -2.051739025 0.047010043 0.369066496 -4.959779274 stable

DDR1 /// MIR4640 -0.168333699 6.786745739 -2.051428977 0.047041706 0.369191849 -4.960362361 stable

UBA1 0.017937236 2.217419372 2.05105058 0.047080375 0.369372078 -4.96107389 stable

FAM150B 0.259230129 3.378979017 2.05053448 0.04713316 0.369662903 -4.962044184 stable

LOC399491 -0.187133816 11.38123014 -2.050315717 0.04715555 0.369715228 -4.962455411 stable

SGCE -0.28720252 3.696963294 -2.049843909 0.04720387 0.369907524 -4.963342187 stable

CSDC2 0.009128037 2.405169196 2.049718341 0.047216737 0.369907524 -4.963578168 stable

LOC101927020 -0.042288939 3.680410385 -2.049496601 0.047239467 0.369907524 -4.963994857 stable

GATA1 -0.142719077 4.28761942 -2.049395366 0.047249848 0.369907524 -4.964185084 stable

HECTD1 0.146962204 8.603625359 2.048985195 0.047291926 0.369907524 -4.964955745 stable

ZRANB2 -0.140629458 11.14545268 -2.04896873 0.047293616 0.369907524 -4.964986677 stable

MAGEH1 0.157818207 9.274581303 2.048787533 0.047312216 0.369907524 -4.965327081 stable

AP1M2 -0.009912313 2.046751624 -2.048572631 0.047334284 0.369907524 -4.965730775 stable

RRAS2 0.270270106 8.920777735 2.048545783 0.047337041 0.369907524 -4.965781206 stable

RCSD1 -0.097791339 12.8741657 -2.048542844 0.047337343 0.369907524 -4.965786727 stable

LINC00899 -0.072273097 2.891405332 -2.0481753 0.047375108 0.370079681 -4.96647707 stable

TSNAXIP1 -0.017239278 2.446206288 -2.047882621 0.0474052 0.370171808 -4.967026727 stable

TRAPPC3L -0.331078318 5.119358953 -2.047751701 0.047418666 0.370171808 -4.967272577 stable

SAMD9L 0.178486212 11.19568466 2.047600703 0.047434201 0.370171808 -4.967556115 stable

HPS6 0.221094947 8.6914624 2.047448607 0.047449853 0.370171808 -4.967841697 stable

HCG18 0.160528795 5.020441961 2.046329563 0.047565156 0.370827426 -4.969942344 stable

CAP1 0.053892781 14.11948221 2.046326962 0.047565424 0.370827426 -4.969947226 stable

TTF1 -0.124382339 9.592725134 -2.045931762 0.047606203 0.371022365 -4.970688866 stable

TRIM28 -0.088905804 12.03407027 -2.04533351 0.047667992 0.371380864 -4.971811338 stable

TTBK1 -0.082728053 4.259169909 -2.044944943 0.047708161 0.37142786 -4.972540248 stable

PTPN2 0.113602957 4.109349765 2.044841583 0.047718851 0.37142786 -4.972734122 stable

PDCD4-AS1 -0.259202436 8.334780262 -2.044752062 0.047728112 0.37142786 -4.972902032 stable

PRKACB 0.155628097 12.92617056 2.044574147 0.047746521 0.37142786 -4.973235718 stable

PRO2949 0.012634516 3.458057366 2.044511737 0.04775298 0.37142786 -4.973352766 stable

CCDC107 0.111965891 8.720237198 2.044282551 0.047776706 0.371489558 -4.973782568 stable

HDAC8 0.090284593 7.431803185 2.043970869 0.04780899 0.371617728 -4.974367017 stable

DDHD1 0.168161383 7.837477185 2.043284065 0.047880194 0.371994667 -4.975654621 stable

MIR600 /// MIR600HG -0.231154409 3.30582697 -2.042979573 0.047911792 0.371994667 -4.976225365 stable

WDHD1 0.037517685 3.262356372 2.042851151 0.047925124 0.371994667 -4.97646606 stable

C17orf67 -0.118303871 5.89609885 -2.042757584 0.047934839 0.371994667 -4.97664142 stable

FBXW11 0.086916013 9.46621559 2.042657269 0.047945258 0.371994667 -4.976829421 stable

RP1-118J21.25 -0.10404237 6.059577113 -2.042588741 0.047952376 0.371994667 -4.976957845 stable

REXO1 -0.079270674 6.932542229 -2.041820131 0.048032276 0.372491648 -4.978398012 stable

ASB16-AS1 -0.098944351 7.68853342 -2.04135174 0.048081024 0.372746795 -4.979275436 stable

LOC100291666 -0.101939004 3.258947487 -2.040874557 0.048130732 0.373009209 -4.980169164 stable

CACNG8 -0.110508721 5.882881786 -2.04044483 0.048175535 0.373074166 -4.980973866 stable

HEXIM2 -0.376810605 7.939605592 -2.040365883 0.04818377 0.373074166 -4.981121686 stable

CDC73 0.106918919 8.798925965 2.040337813 0.048186698 0.373074166 -4.981174242 stable

SLC43A1 0.119789512 6.864638546 2.039037527 0.048322513 0.373946831 -4.983608213 stable

FRG1B -0.263301494 7.762123945 -2.038905644 0.048336307 0.373946831 -4.983855012 stable

LOC389906 /// LOC441528 -0.291151982 6.970318418 -2.0388024 0.048347107 0.373946831 -4.984048208 stable

LOC340184 0.047364333 3.426170258 2.038384722 0.048390824 0.373999327 -4.98482971 stable

ZBTB8A 0.020614558 2.991824843 2.03813851 0.04841661 0.373999327 -4.985290328 stable

BAIAP3 -0.138782769 5.676320355 -2.038092513 0.048421429 0.373999327 -4.985376375 stable

POLR1C 0.169580234 7.760583273 2.037919339 0.048439575 0.373999327 -4.98570032 stable

DPY19L2P4 0.003828246 2.379215776 2.037893735 0.048442258 0.373999327 -4.985748214 stable

NPSA 0.0120495 2.632102311 2.037753147 0.048456994 0.373999327 -4.986011183 stable

RSPH6A -0.11973674 4.011314542 -2.037658083 0.048466961 0.373999327 -4.986188991 stable

RNF208 -0.204824002 3.442287362 -2.037523252 0.0484811 0.373999327 -4.98644117 stable

LRRC38 0.033620825 2.952147528 2.037285039 0.048506089 0.374069413 -4.986886672 stable

KIF2A -0.24967492 10.18853972 -2.036732016 0.048564145 0.374394379 -4.987920768 stable

DDX43 0.248676378 3.535021883 2.036183358 0.048621803 0.374716062 -4.988946477 stable

ECSIT -0.114688671 8.762709422 -2.035670489 0.048675754 0.375008974 -4.989905078 stable

CYB5RL -0.139019457 6.248264382 -2.034938141 0.048752883 0.375276512 -4.99127357 stable

TESK1 0.123644396 8.629486869 2.034915408 0.048755279 0.375276512 -4.991316043 stable

ACAD11 /// NPHP3 /// NPHP3-ACAD11 -0.138090621 8.624991546 -2.03488632 0.048758344 0.375276512 -4.991370389 stable

SSX3 /// SSX5 /// SSX7 -0.010774719 2.346381146 -2.034720873 0.048775785 0.375287946 -4.991679488 stable

EFNB2 0.032321828 2.526159768 2.034433559 0.048806086 0.375398285 -4.992216219 stable

WDR44 0.12514752 9.053516633 2.033981882 0.048853754 0.37539862 -4.993059873 stable

C21orf15 0.169076178 4.69209803 2.033821655 0.048870674 0.37539862 -4.993359113 stable

IGLVIVOR22-2 /// IGLVIVOR22-2 0.012489258 3.107058434 2.033564144 0.048897877 0.37539862 -4.99384 stable

THAP5 0.199460609 9.214544173 2.033531635 0.048901312 0.37539862 -4.993900707 stable

GCG 0.005469374 2.37590264 2.033466005 0.048908248 0.37539862 -4.994023257 stable

TMEM177 0.180500291 6.258876177 2.033369877 0.048918408 0.37539862 -4.994202751 stable

RAB27B -0.286246225 8.02816439 -2.033367344 0.048918675 0.37539862 -4.994207481 stable

LINC01000 -0.239155377 12.00024072 -2.033224172 0.048933811 0.37539862 -4.994474804 stable

CRB3 -0.080902674 7.019531649 -2.032815015 0.048977089 0.375568954 -4.99523868 stable

GYG2 0.005101483 2.617920939 2.032712386 0.048987949 0.375568954 -4.995430263 stable

DDI2 /// RSC1A1 0.211951899 6.974967758 2.032353814 0.049025911 0.375737521 -4.996099569 stable

CMTM5 -0.462523983 9.690122644 -2.032146868 0.049047832 0.375783079 -4.996485808 stable

LOC101930324 /// NSF 0.1176336 10.58613299 2.031687212 0.049096552 0.375941139 -4.997343587 stable

INTS7 0.017354208 2.940400084 2.031650654 0.049100428 0.375941139 -4.997411802 stable

DOK2 0.125527258 11.88283042 2.031459629 0.049120689 0.375946254 -4.997768229 stable

ZDHHC11 -0.086335032 5.979398645 -2.031342998 0.049133063 0.375946254 -4.997985833 stable

PINX1 -0.090931903 8.10960054 -2.030234366 0.04925082 0.376724727 -5.000053763 stable

MRPS26 -0.105004281 9.353031816 -2.029621805 0.04931599 0.377100586 -5.00119598 stable

KERA 0.014636407 3.373727569 2.029366389 0.049343186 0.377185921 -5.001672162 stable

KLHL3 0.023297892 2.971647464 2.028569897 0.049428078 0.377560805 -5.003156784 stable

METTL13 0.137840351 8.374160912 2.028517904 0.049433624 0.377560805 -5.003253679 stable

ADARB1 -0.257824051 9.043955084 -2.028454533 0.049440384 0.377560805 -5.003371778 stable

AK021933 0.008584274 2.932878776 2.02815737 0.049472096 0.377603187 -5.003925528 stable

PRSS3 -0.012558453 2.268462472 -2.028095649 0.049478685 0.377603187 -5.004040535 stable

NDUFAF3 -0.12627972 10.2241804 -2.027951314 0.049494096 0.377603187 -5.004309468 stable

LSM7 -0.115536402 11.90984935 -2.027662935 0.049524899 0.377715677 -5.004846743 stable

MED25 -0.074478794 7.544670222 -2.026918592 0.049604483 0.37816864 -5.006233237 stable

ZNF384 -0.078825354 9.91517531 -2.026740087 0.049623586 0.37816864 -5.006565679 stable

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EIF3B -0.08039973 11.0411609 -2.02644257 0.049655438 0.37816864 -5.007119712 stable

PANK3 0.188090285 6.327342007 2.026262585 0.049674715 0.37816864 -5.007454847 stable

UBR3 0.156869436 9.805883099 2.026206186 0.049680758 0.37816864 -5.007559857 stable

RPS16P5 -0.298325992 8.66741575 -2.025950327 0.049708176 0.378191036 -5.008036217 stable

LENG8 -0.261965428 10.58221252 -2.025732782 0.049731499 0.378191036 -5.008441207 stable

LOC101928139 0.006562531 2.517241092 2.025593219 0.049746467 0.378191036 -5.008701004 stable

HIST1H3G -0.105751684 7.104489455 -2.025578784 0.049748015 0.378191036 -5.008727874 stable

AARS2 -0.102657893 6.950148418 -2.025000329 0.049810096 0.378455606 -5.00980451 stable

PRKX /// PRKY 0.116552151 10.27546096 2.024954686 0.049814997 0.378455606 -5.00988945 stable

LOC100131564 -0.350614687 10.91901527 -2.024651085 0.04984761 0.378581092 -5.010454411 stable

NCOA5 0.148821926 9.691791283 2.024099096 0.049906953 0.378909435 -5.011481412 stable

DNAJC9 -0.099866795 10.19757795 -2.022851368 0.050041318 0.379806983 -5.013802037 stable

ERRFI1 0.110099231 2.656667406 2.022638477 0.050064275 0.379858651 -5.014197874 stable

HAUS1 -0.10982021 10.09589517 -2.022059707 0.050126734 0.379877652 -5.015273832 stable

ELOVL7 -0.462727652 9.89243148 -2.022056589 0.05012707 0.379877652 -5.015279628 stable

MMS19 -0.091072553 10.09092867 -2.02187007 0.050147213 0.379877652 -5.015626323 stable

METTL8 -0.159702602 8.996538792 -2.02180861 0.050153852 0.379877652 -5.015740556 stable

YIPF6 0.264795898 5.807337922 2.021787438 0.050156139 0.379877652 -5.015779907 stable

ESRRG 0.006580095 2.85618458 2.021623868 0.050173813 0.379877652 -5.016083914 stable

RP11-96K19.4 0.018403284 3.157793872 2.021568153 0.050179834 0.379877652 -5.01618746 stable

TMEM198B -0.160929532 7.617476091 -2.021352668 0.050203127 0.379931706 -5.016587913 stable

NARS2 -0.06271144 9.310905835 -2.020902383 0.050251831 0.380177973 -5.017424606 stable

C12orf61 0.009161071 2.800473962 2.020553929 0.050289549 0.380340993 -5.018071978 stable

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ADAT3 /// SCAMP4 0.24479689 7.10965733 2.020168299 0.05033132 0.38041227 -5.018788311 stable

C2orf68 -0.093379903 9.094854288 -2.018981532 0.050460059 0.381262786 -5.020992121 stable

TRPM6 -0.062957422 3.055544037 -2.018818974 0.050477716 0.381273716 -5.021293908 stable

CCNE1 -0.145351558 6.265694055 -2.018439453 0.050518959 0.381462737 -5.021998407 stable

RP11-173M1.8 0.303785969 7.688492316 2.018175629 0.050547646 0.381556862 -5.022488077 stable

ZFP41 -0.078370344 5.651721099 -2.017976519 0.050569306 0.381597897 -5.022857599 stable

SH3GLB2 -0.120205654 9.118467528 -2.017257992 0.050647537 0.381951362 -5.024190849 stable

ZBTB38 0.167709821 9.434247145 2.017018831 0.0506736 0.381951362 -5.024634536 stable

MRPS36 0.11386145 10.212884 2.016926031 0.050683716 0.381951362 -5.024806684 stable

CGGBP1 -0.066204266 10.96457328 -2.0168691 0.050689923 0.381951362 -5.02491229 stable

SMC6 -0.148396501 9.716933581 -2.016801068 0.050697341 0.381951362 -5.025038487 stable

MYO1C -0.180148254 9.143927136 -2.01600851 0.050783828 0.382480444 -5.026508389 stable

TAF4B -0.203729316 5.882213105 -2.015290561 0.050862285 0.382948723 -5.027839517 stable

ANKS3 -0.118919598 5.58611201 -2.014869822 0.050908312 0.383155409 -5.028619419 stable

ETAA1 0.105744067 7.163733178 2.014603673 0.050937446 0.383155409 -5.029112697 stable

MIRLET7D -0.16382415 8.129169451 -2.014593079 0.050938606 0.383155409 -5.029132331 stable

C2orf42 0.175720619 8.230633556 2.014256507 0.050975471 0.38318776 -5.029756052 stable

EID2 0.118568641 9.931069015 2.014256335 0.05097549 0.38318776 -5.029756372 stable

CHAMP1 0.171706191 9.741389998 2.013795835 0.051025966 0.383211851 -5.030609615 stable

CASP7 0.143138618 9.108761216 2.013702362 0.051036217 0.383211851 -5.030782789 stable

SART1 -0.089510847 9.449388322 -2.013662573 0.051040581 0.383211851 -5.030856502 stable

FAM156A /// FAM156B -0.150325457 10.20034956 -2.013495827 0.051058874 0.383211851 -5.031165403 stable

TXNDC15 0.134821116 10.299424 2.013484136 0.051060156 0.383211851 -5.03118706 stable

YWHAQ 0.078596543 12.83519595 2.012605409 0.051156652 0.383593014 -5.032814579 stable

CDK13 0.123604385 10.69434482 2.012501169 0.051168109 0.383593014 -5.033007608 stable

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WWC3 -0.149208761 9.279488624 -2.011187274 0.051312716 0.383766911 -5.035439942 stable

MRPS28 0.122181965 9.201999733 2.011080617 0.05132447 0.383766911 -5.035637335 stable

ARMC5 -0.105273239 7.813767679 -2.011044218 0.051328482 0.383766911 -5.035704696 stable

NF2 0.047945322 4.038055466 2.010834537 0.051351598 0.383766911 -5.036092724 stable

AKR1C4 0.009803437 2.78616928 2.010810402 0.05135426 0.383766911 -5.036137386 stable

BC043400 /// RP11-875O11.1 0.317515833 3.965119978 2.010735345 0.051362537 0.383766911 -5.036276275 stable

PYGO2 0.122004608 9.027420355 2.010516182 0.051386713 0.383825619 -5.036681798 stable

PTGDS 0.434008081 8.333229814 2.010316949 0.051408699 0.383867939 -5.037050415 stable

CEBPB 0.220190217 14.28237246 2.009909873 0.051453647 0.384035061 -5.037803486 stable

SOX14 0.004912015 2.767700728 2.009818547 0.051463735 0.384035061 -5.037972417 stable

PTPLAD1 0.11877251 7.903667853 2.009429852 0.051506692 0.384233718 -5.038691343 stable

DDX27 /// SS18 -0.082831075 10.04506798 -2.009079671 0.05154542 0.384400705 -5.039338938 stable

CD63 0.139417135 12.19645038 2.008628373 0.051595368 0.384579365 -5.040173392 stable

MB21D1 0.399618575 7.986232621 2.008567771 0.051602078 0.384579365 -5.040285435 stable

NUDT11 0.226624 3.047242005 2.008129961 0.051650579 0.384818897 -5.041094787 stable

CSRNP1 -0.27834235 8.414194956 -2.007862913 0.051680182 0.384825579 -5.041588392 stable

MXRA7 0.515065546 9.275407075 2.007826699 0.051684197 0.384825579 -5.041655325 stable

INPP1 0.219311509 8.878982105 2.006896263 0.051787461 0.385472427 -5.043374679 stable

DYRK1B 0.164132975 5.737271151 2.006066194 0.051879737 0.385718764 -5.04490802 stable

ZSCAN20 0.062773236 2.626992715 2.006053242 0.051881178 0.385718764 -5.044931941 stable

B3GALTL 0.35883841 4.348058197 2.005780913 0.051911483 0.385718764 -5.045434885 stable

SDCCAG3 -0.102697111 8.633369244 -2.005466879 0.051946449 0.385718764 -5.046014782 stable

LOC158402 /// RP11-4O1.2 0.218006368 6.128756155 2.005448649 0.05194848 0.385718764 -5.046048444 stable

LMBR1L -0.082369957 9.028679693 -2.0054191 0.051951771 0.385718764 -5.046103005 stable

C7orf26 -0.066617787 9.792279118 -2.005279303 0.051967345 0.385718764 -5.046361126 stable

SLC13A4 0.004574922 2.595344147 2.00527781 0.051967511 0.385718764 -5.046363882 stable

FHL1 -0.361495055 8.530716012 -2.005161145 0.051980511 0.385718764 -5.046579281 stable

SMARCA4 -0.155431476 6.735872577 -2.005124946 0.051984545 0.385718764 -5.046646114 stable

CLMN -0.259232533 7.992657923 -2.004902577 0.052009333 0.385780988 -5.047056641 stable

FER1L4 0.030431493 2.678058536 2.004660911 0.052036283 0.38585921 -5.04750275 stable

KRT8P12 0.108047052 6.136180748 2.003854295 0.052126324 0.386389041 -5.04899143 stable

PLP2 -0.173277685 12.23959889 -2.003726608 0.05214059 0.386389041 -5.049227043 stable

AC004538.3 /// BC040327 0.00884769 2.566411528 2.003313667 0.052186749 0.386609299 -5.049988934 stable

CA5B 0.244777104 7.052851208 2.003045011 0.052216799 0.386710116 -5.050484546 stable

PBX1 -0.348162153 7.166906194 -2.002761662 0.052248509 0.386746012 -5.051007205 stable

IGLJ3 -0.421326049 9.056014531 -2.002667226 0.052259081 0.386746012 -5.051181387 stable

MUC3A /// MUC3B -0.043922302 2.933529772 -2.002508678 0.052276834 0.386746012 -5.051473804 stable

AHSA1 0.094285675 10.36633254 2.002414196 0.052287416 0.386746012 -5.051648051 stable

RABGGTB -0.107583407 10.41543662 -2.001730481 0.052364049 0.387154566 -5.052908791 stable

ACP1 0.165899582 3.844017373 2.001488961 0.052391143 0.387154566 -5.053354062 stable

ZNF775 0.177878773 6.16879392 2.001481037 0.052392032 0.387154566 -5.053368668 stable

GSE1 0.120369603 10.09293557 2.001310332 0.052411189 0.387170055 -5.053683355 stable

PIH1D3 0.00552452 2.752222363 2.001169049 0.052427049 0.387170055 -5.053943786 stable

PPP1R13L -0.138946185 2.572674632 -2.000989342 0.052447229 0.38719751 -5.054275026 stable

ADM5 -0.064116006 2.727602995 -2.000350143 0.052519059 0.387491034 -5.055453012 stable

GH2 -0.018793569 2.560870437 -2.000342346 0.052519936 0.387491034 -5.055467379 stable

C2orf47 0.174803952 9.045073472 2.00016516 0.052539863 0.387516499 -5.055793861 stable

LOC285902 /// ZNF273 /// ZNF479 /// ZNF733P 0.003421564 2.276000256 1.99979207 0.052581843 0.387567274 -5.056481239 stable

SOGA1 -0.167778214 4.286992193 -1.999734427 0.052588332 0.387567274 -5.056587432 stable

TTC22 0.031147532 2.720753911 1.99966472 0.052596179 0.387567274 -5.056715845 stable

ERI1 0.136753759 8.077533166 1.999314676 0.052635602 0.3877363 -5.057360635 stable

FAM50B 0.317045543 7.103908409 1.99789298 0.052795982 0.388537359 -5.059978498 stable

STAM2 0.157932076 5.978065704 1.997840554 0.052801904 0.388537359 -5.060075005 stable

PNPLA3 -0.028052943 2.857061729 -1.997600849 0.052828989 0.388537359 -5.060516231 stable

USP49 0.018347356 2.748707993 1.997533766 0.052836571 0.388537359 -5.060639703 stable

TTI1 0.089737541 8.507067208 1.997506949 0.052839603 0.388537359 -5.060689061 stable

LINC00623 /// LINC00869 0.155506588 11.84287242 1.99747283 0.05284346 0.388537359 -5.060751858 stable

ORC2 0.092485583 8.810576245 1.997004808 0.05289639 0.388791682 -5.06161318 stable

SCTR -0.012058975 3.110652184 -1.996874745 0.052911108 0.388791682 -5.061852513 stable

RP11-554J4.1 -0.231644245 8.15365237 -1.996600475 0.052942156 0.388898326 -5.062357161 stable

SMARCD2 0.107102363 9.821701344 1.996254699 0.05298132 0.388923509 -5.062993299 stable

KIF3B -0.111324111 8.91543421 -1.996146632 0.052993565 0.388923509 -5.063192096 stable

WFDC8 0.00490889 2.394200212 1.996132303 0.052995189 0.388923509 -5.063218454 stable

LOC102606465 -0.189953638 9.194125437 -1.995745467 0.053039044 0.388993829 -5.063929989 stable

TACC1 0.136973868 7.807175292 1.995737894 0.053039903 0.388993829 -5.063943918 stable

PLA2G16 0.382829103 7.994375909 1.995610209 0.053054386 0.388993829 -5.064178754 stable

LOC101928269 0.003421223 2.305846157 1.994908346 0.053134055 0.389330396 -5.065469385 stable

LINC00424 0.040745069 3.467478099 1.994851749 0.053140484 0.389330396 -5.065573443 stable

UBN2 0.099020566 8.347469 1.994768452 0.053149947 0.389330396 -5.065726587 stable

PSMC2 -0.091353426 9.225336737 -1.994545937 0.053175233 0.389394352 -5.066135662 stable

CATIP-AS1 -0.209964924 3.468544121 -1.994162375 0.053218845 0.389437679 -5.066840721 stable

SPAG8 0.085397166 5.088058749 1.994151008 0.053220138 0.389437679 -5.066861614 stable

ZNHIT2 0.215065214 3.893077757 1.994057096 0.053230821 0.389437679 -5.067034224 stable

NAT8B -0.570747816 6.24254666 -1.993769363 0.053263564 0.389556057 -5.067563037 stable

USP32 /// USP6 -0.135144389 3.761750178 -1.993545245 0.053289079 0.389621521 -5.067974892 stable

DKFZP434F142 0.008951953 2.715563145 1.993331421 0.053313433 0.38967845 -5.068367793 stable

HLA-F 0.080902206 14.09602463 1.993119323 0.053337599 0.389733977 -5.06875749 stable

HM13 0.004311102 2.428474618 1.992814169 0.053372385 0.389867043 -5.069318105 stable

PRIM1 -0.12783978 8.325587573 -1.992203242 0.053442087 0.390254993 -5.070440258 stable

AGPS 0.140032527 9.582135866 1.99188862 0.053478014 0.390343649 -5.071018049 stable

MTO1 0.08134894 10.21267534 1.991723689 0.053496856 0.390343649 -5.071320909 stable

PHF19 0.113544912 8.368536815 1.991656088 0.05350458 0.390343649 -5.071445039 stable

PPIL4 0.220984677 9.330373861 1.991515828 0.05352061 0.390343649 -5.071702573 stable

UNC93A 0.007335008 2.395552497 1.991181763 0.053558806 0.390501141 -5.072315894 stable

AGPAT5 -0.119096882 9.629214007 -1.991006998 0.053578798 0.390525845 -5.072636719 stable

TNIP1 -0.071811089 11.03300497 -1.990583424 0.053627278 0.390672401 -5.073414199 stable

HMGB1P4 /// HMGB1P4 -0.102033893 10.12995142 -1.990541103 0.053632124 0.390672401 -5.073491872 stable

ANKRD53 -0.019471942 3.088693891 -1.99037772 0.053650835 0.390687709 -5.073791726 stable

TRAP1 -0.14398373 8.976037307 -1.99012364 0.053679945 0.390691639 -5.074257991 stable

ZNF624 0.165271219 4.973624347 1.990083061 0.053684596 0.390691639 -5.074332454 stable

TMEM115 0.144428953 8.286281523 1.989744931 0.05372336 0.390852812 -5.074952876 stable

CSRP2 -0.113543336 3.262588232 -1.988511871 0.053864926 0.391761569 -5.077214649 stable

JADE2 0.106649897 7.529014557 1.988100298 0.05391225 0.391769053 -5.077969332 stable

RP11-769O8.3 0.462571902 6.23835604 1.987972812 0.053926916 0.391769053 -5.078203072 stable

PCSK5 0.21636317 8.882001338 1.987906416 0.053934555 0.391769053 -5.078324801 stable

NFYB 0.095996355 9.293539523 1.987895784 0.053935779 0.391769053 -5.078344293 stable

COPS8 0.081450137 10.44944228 1.987778856 0.053949235 0.391769053 -5.078558659 stable

JAZF1 0.164404552 10.75802909 1.986798006 0.054062229 0.392269482 -5.080356454 stable

CRADD 0.234754089 7.053689953 1.986776495 0.05406471 0.392269482 -5.080395874 stable

C2orf81 -0.190324122 5.272200601 -1.986746401 0.05406818 0.392269482 -5.080451021 stable

WASF3 -0.660945529 7.437847563 -1.986482415 0.054098629 0.39229048 -5.080934746 stable

MFSD1 -0.134286346 12.92465561 -1.986203672 0.054130797 0.39229048 -5.081445456 stable

TNFRSF10A -0.170585653 8.122989193 -1.986146733 0.054137369 0.39229048 -5.081549771 stable

HTRA3 -0.073958804 7.016708646 -1.986143112 0.054137787 0.39229048 -5.081556405 stable

CCDC91 -0.399323947 9.260869488 -1.985834362 0.054173441 0.392427936 -5.08212201 stable

C12orf60 0.124324522 3.691132848 1.985121597 0.054255827 0.392903728 -5.083427467 stable

SERHL /// SERHL2 -0.03622201 2.506205189 -1.984153016 0.054367956 0.393222729 -5.085200848 stable

MGC27345 /// RBM28 0.069682877 8.420979991 1.98413144 0.054370456 0.393222729 -5.085240345 stable

KLHL8 0.184074286 5.309615905 1.984058057 0.05437896 0.393222729 -5.085374672 stable

NXN -0.091066668 3.290895472 -1.984035061 0.054381625 0.393222729 -5.085416765 stable

PYCARDOS -0.148660195 5.916256607 -1.984019163 0.054383467 0.393222729 -5.085445866 stable

PCYT2 0.118684186 7.701820041 1.983499866 0.054443682 0.393309842 -5.086396307 stable

TAP1 0.201775609 11.435353 1.983448809 0.054449605 0.393309842 -5.086489744 stable

CHMP4B 0.184016376 9.586672462 1.983441049 0.054450506 0.393309842 -5.086503945 stable

FAM21C /// LOC101930591 -0.089212864 11.64588742 -1.983337224 0.054462553 0.393309842 -5.086693941 stable

LOC100293704 /// MIR8072 -0.040922382 3.903533471 -1.983149688 0.054484319 0.393309842 -5.087037106 stable

RTCA 0.099492211 10.88787991 1.983050408 0.054495845 0.393309842 -5.087218765 stable

RP11-109E10.1 -0.004969747 2.550511036 -1.982857392 0.05451826 0.393350915 -5.087571915 stable

NBN 0.096336114 9.6380791 1.98265218 0.054542099 0.393369338 -5.087947349 stable

MIXL1 -0.040762826 3.110183858 -1.982547514 0.054554261 0.393369338 -5.088138823 stable

FAM122B -0.186747278 10.30984054 -1.982273439 0.054586121 0.393425349 -5.08864017 stable

FMO5 0.0078137 2.790153977 1.982192931 0.054595482 0.393425349 -5.088787427 stable

CTC-471J1.2 0.058433065 3.476641383 1.981642324 0.054659545 0.393766357 -5.089794413 stable

HNRNPC -0.092034506 3.378576491 -1.98086528 0.054750064 0.394297691 -5.091215135 stable

RAD21L1 0.067696972 3.545786716 1.980718305 0.0547672 0.394300371 -5.091483808 stable

LMAN2 0.111691517 10.26806278 1.980401407 0.054804163 0.394364465 -5.092063049 stable

ZNF385D -0.159656021 3.986187791 -1.980254414 0.054821316 0.394364465 -5.092331704 stable

ZNF81 -0.081452903 3.841884494 -1.980210837 0.054826402 0.394364465 -5.092411344 stable

MOCS3 0.391331058 5.764200471 1.979928154 0.054859404 0.394428248 -5.09292794 stable

DAPP1 -0.175275749 10.9121352 -1.979847635 0.054868808 0.394428248 -5.093075077 stable

CTD-2619J13.13 0.035327196 2.944043184 1.979469456 0.054912992 0.394625265 -5.093766074 stable

AK021804 0.006124495 2.617310202 1.979159443 0.054949236 0.394765111 -5.094332439 stable

TMEM245 0.135187959 9.807188372 1.978791145 0.05499232 0.394954003 -5.095005192 stable

LAMP1 0.117754139 10.59099279 1.978606351 0.055013949 0.394988732 -5.095342708 stable

LYST 0.23250807 7.136884382 1.978061448 0.055077768 0.395174404 -5.096337796 stable

A2ML1 0.0038736 2.317678279 1.978051045 0.055078987 0.395174404 -5.096356791 stable

ANP32B -0.079621632 12.53549843 -1.977955265 0.055090212 0.395174404 -5.096531678 stable

AC012065.7 -0.306296389 5.709042223 -1.977565593 0.055135899 0.395381547 -5.097243118 stable

hsa-let-7a-3 /// hsa-let-7b /// hsa-mir-4763 /// RP4-695O20\_\_B.10 0.202175559 2.974442681 1.976703052 0.055237144 0.395767435 -5.098817488 stable

PWWP2B 0.199183826 8.477960084 1.976686891 0.055239042 0.395767435 -5.098846982 stable

ZNF235 -0.057208098 2.79635443 -1.976677127 0.055240189 0.395767435 -5.098864799 stable

CMTM4 0.054807607 2.345773638 1.97626874 0.055288184 0.395976406 -5.099610014 stable

ZDHHC6 -0.05306765 10.5090915 -1.976142504 0.055303027 0.395976406 -5.099840339 stable

OMA1 -0.106265776 9.656213883 -1.975173597 0.055417067 0.396672192 -5.10160778 stable

DIRAS1 -0.151747615 4.003867844 -1.974901734 0.055449101 0.396780746 -5.102103575 stable

TBX6 -0.071660034 2.681796386 -1.974272309 0.05552333 0.397191075 -5.103251239 stable

PLAA 0.22533355 5.150786664 1.97371157 0.055589532 0.397340457 -5.104273413 stable

ATF2 0.026892253 3.380737746 1.973698256 0.055591104 0.397340457 -5.10429768 stable

USP10 0.129862561 9.134657132 1.973666196 0.055594892 0.397340457 -5.104356115 stable

TTC27 -0.114782141 8.487310643 -1.973241664 0.055645062 0.397543554 -5.105129825 stable

LMBRD2 0.110573468 10.06269169 1.973139749 0.055657112 0.397543554 -5.105315545 stable

AKR1C2 /// LOC101930400 0.09745098 2.680752199 1.972725479 0.055706116 0.397772786 -5.106070389 stable

DCUN1D3 0.128035597 6.780999436 1.972414385 0.05574294 0.397798857 -5.106637152 stable

SCAMP1-AS1 -0.144687648 8.760368115 -1.972117965 0.055778047 0.397798857 -5.107177111 stable

USP48 -0.205393088 8.133296567 -1.972063209 0.055784534 0.397798857 -5.107276849 stable

IL1B 0.991678711 8.575658278 1.971858686 0.055808771 0.397798857 -5.107649361 stable

FKBP6 -0.044854701 2.668560895 -1.971688134 0.055828989 0.397798857 -5.107959976 stable

CLEC1B -0.503524131 9.977580864 -1.971665325 0.055831693 0.397798857 -5.108001515 stable

RAD1 0.120301846 7.955245242 1.97155485 0.055844793 0.397798857 -5.108202703 stable

C9orf41 0.167102669 8.814789773 1.971552538 0.055845067 0.397798857 -5.108206913 stable

NRM -0.179178855 9.241133162 -1.971274334 0.055878068 0.397913425 -5.108713513 stable

HN1L -0.127971019 7.564410592 -1.970716877 0.055944246 0.398251305 -5.109728445 stable

GPT2 -0.115445086 3.875016859 -1.970589475 0.055959379 0.398251305 -5.109960367 stable

NKAPL -0.124050578 3.518109321 -1.970284909 0.055995572 0.398365719 -5.110514745 stable

C12orf29 0.140431999 9.107076077 1.97016919 0.056009329 0.398365719 -5.110725363 stable

KIZ -0.101952498 8.502581957 -1.969798461 0.056053421 0.398496559 -5.111400047 stable

C15orf37 -0.192631878 6.979168527 -1.96963096 0.056073353 0.398496559 -5.111704846 stable

DLGAP1-AS1 0.207934873 7.047579868 1.969561982 0.056081563 0.398496559 -5.111830359 stable

ABCD2 0.224174062 5.871353499 1.969444951 0.056095494 0.398496559 -5.1120433 stable

MYL6B -0.251224858 6.041885615 -1.968999961 0.056148492 0.39864765 -5.112852874 stable

CYP1A1 0.00321606 2.260779643 1.968981769 0.05615066 0.39864765 -5.112885968 stable

SETD5 -0.045833716 2.627605996 -1.968826018 0.056169221 0.398659093 -5.11316929 stable

ANKRD37 0.218483201 6.331007917 1.968335991 0.056227652 0.398953422 -5.114060566 stable

BMPR1A 0.181075891 4.05408944 1.966941019 0.056394277 0.39993547 -5.116596788 stable

LINC00692 0.028946872 3.135003325 1.966892616 0.056400066 0.39993547 -5.116684764 stable

AC144652.1 -0.262317281 6.640486263 -1.966050913 0.05650082 0.400480855 -5.118214338 stable

C7orf49 /// LOC653739 0.211805304 4.838345716 1.965834954 0.056526696 0.400480855 -5.118606701 stable

BCL11A -0.289399306 9.881578659 -1.965823598 0.056528057 0.400480855 -5.118627332 stable

SLC6A15 0.010293804 3.006325067 1.964644152 0.056669561 0.401362466 -5.120769563 stable

CD274 0.139487457 4.568046244 1.964139634 0.056730184 0.40167088 -5.121685601 stable

VAV3 0.147908324 8.972969541 1.963656225 0.056788323 0.401777686 -5.12256313 stable

KIFC3 0.063069274 2.826207409 1.963597256 0.056795419 0.401777686 -5.122670164 stable

RGS6 -0.271073981 3.458089997 -1.963588156 0.056796514 0.401777686 -5.12268668 stable

LIG1 -0.172635896 8.206173387 -1.963163793 0.056847601 0.40190427 -5.123456858 stable

BMS1P20 /// LOC101929959 0.175260989 5.280500945 1.96315564 0.056848582 0.40190427 -5.123471652 stable

ATF7 0.256211648 3.923382167 1.962951048 0.056873227 0.401957681 -5.123842916 stable

MTHFD2 0.200816387 10.91102219 1.962758997 0.056896369 0.402000446 -5.124191394 stable

SARNP 0.090450885 9.850768481 1.9625843 0.056917426 0.402028464 -5.124508359 stable

IL26 0.017274302 3.374353584 1.962400561 0.056939582 0.402064214 -5.124841705 stable

PLA2G2A -0.035288456 2.746142257 -1.961969505 0.056991587 0.402251683 -5.12562364 stable

PHACTR2 0.197101768 6.938976986 1.961897037 0.057000334 0.402251683 -5.125755084 stable

VPS37B 0.123278653 10.15790498 1.961570473 0.057039766 0.402409216 -5.12634736 stable

STXBP3 -0.071847996 3.632237685 -1.961113737 0.057094954 0.402565634 -5.127175588 stable

RP11-263K4.3 0.007446373 2.741887753 1.96052431 0.057166245 0.402565634 -5.128244201 stable

SPZ1 0.006371915 2.639285779 1.960370822 0.057184822 0.402565634 -5.128522426 stable

DUS2 -0.156570862 9.12014044 -1.960287012 0.057194968 0.402565634 -5.128674339 stable

MUTYH -0.086513145 8.69689346 -1.960152418 0.057211264 0.402565634 -5.128918294 stable

SUMO3 -0.109012993 10.5867978 -1.960132566 0.057213668 0.402565634 -5.128954274 stable

MFSD8 -0.149614376 9.064769949 -1.960064889 0.057221865 0.402565634 -5.129076934 stable

GAS6-AS1 -0.37435282 5.781573132 -1.960030047 0.057226085 0.402565634 -5.129140081 stable

FRRS1L 0.004356618 2.339543575 1.959626214 0.057275016 0.402565634 -5.129871915 stable

PIK3C3 0.007679027 2.376175745 1.959394657 0.05730309 0.402565634 -5.130291492 stable

RP11-753A21.1 0.009804361 3.263505284 1.959374179 0.057305573 0.402565634 -5.130328594 stable

HTR7 /// HTR7P1 0.007177489 2.524996965 1.959338252 0.05730993 0.402565634 -5.130393689 stable

FARSB -0.075020389 9.416090253 -1.959336595 0.057310131 0.402565634 -5.130396691 stable

CLP1 0.187801474 9.229901855 1.959290398 0.057315734 0.402565634 -5.130480393 stable

RP11-382F24.1 /// RP11-382F24.2 0.007338573 3.063685281 1.959266239 0.057318665 0.402565634 -5.130524165 stable

LDHAL6A 0.004928593 1.976713429 1.959118124 0.057336632 0.40257162 -5.130792511 stable

ZMAT4 0.217273344 2.690087244 1.958837968 0.057370631 0.402690126 -5.131300034 stable

LOC100130458 -0.393866137 4.244103195 -1.958459272 0.057416616 0.402892669 -5.131985977 stable

PCAT6 -0.028920832 2.587466975 -1.957930878 0.057480832 0.403222979 -5.132942889 stable

ITFG2 /// LOC100507424 -0.168025014 7.569992559 -1.957760051 0.057501606 0.403245562 -5.133252208 stable

RAD51D 0.286235753 5.322803516 1.957622489 0.057518339 0.403245562 -5.133501279 stable

AC092192.1 0.047659384 2.34682129 1.957409254 0.057544286 0.403307257 -5.133887335 stable

ADAMTSL5 -0.055998412 2.920970186 -1.95701268 0.057592569 0.403524774 -5.13460523 stable

LOC100287166 /// LOC101930064 -0.131678594 4.57578722 -1.956872585 0.057609634 0.403524774 -5.134858805 stable

EIF2A -0.106491878 11.63426591 -1.95665896 0.057635663 0.403586913 -5.135245447 stable

SRBD1 0.153199657 7.647806638 1.956285917 0.057681142 0.403772617 -5.135920534 stable

KLRAP1 0.249604938 4.286296607 1.956159868 0.057696517 0.403772617 -5.13614862 stable

ORM1 -0.365331537 4.185868797 -1.955179003 0.057816273 0.404490349 -5.137923075 stable

ARHGEF16 -0.033312703 3.015322491 -1.954376978 0.057914354 0.405005877 -5.139373456 stable

TET2 0.31499654 6.050045635 1.954269193 0.057927546 0.405005877 -5.139568336 stable

MAP7D1 0.08968536 10.84098005 1.954154247 0.057941617 0.405005877 -5.139776156 stable

HTR7P1 0.007095967 2.911279575 1.953701837 0.057997029 0.405272761 -5.140594001 stable

LAMTOR3 0.166874891 10.79645307 1.953470646 0.058025363 0.405350331 -5.141011878 stable

MICA /// MICB 0.094754631 8.869244256 1.95332006 0.058043825 0.40535891 -5.141284041 stable

RP11-338N10.1 0.036711747 2.609418347 1.95311346 0.058069162 0.405415485 -5.14165741 stable

CASP16 0.004135275 2.337260639 1.952966636 0.058087175 0.405420901 -5.141922733 stable

PDILT 0.006958245 2.39898435 1.952824762 0.058104584 0.405422109 -5.142179096 stable

FYN 0.116866085 12.93964379 1.952568056 0.058136097 0.405472505 -5.142642918 stable

JAKMIP1 0.360757626 6.545019479 1.95248509 0.058146285 0.405472505 -5.142792813 stable

GGA1 -0.196842448 8.330199317 -1.952179012 0.058183883 0.405614435 -5.143345756 stable

OXR1 0.113907935 9.515936913 1.951929024 0.058214606 0.405708371 -5.143797318 stable

LOC101926913 0.004836635 2.782611165 1.951543398 0.058262027 0.405918586 -5.144493795 stable

PVALB -0.787625555 7.049272376 -1.951378478 0.058282318 0.40593971 -5.144791621 stable

TBC1D22A -0.08595341 7.896638008 -1.950964098 0.058333328 0.406078901 -5.145539853 stable

LOC101928152 -0.45366333 3.838019447 -1.950935647 0.058336831 0.406078901 -5.145591221 stable

CDIP1 0.152874067 7.461684974 1.950757384 0.058358788 0.406111554 -5.14591306 stable

GAFA2 0.00879225 2.944862982 1.9504823 0.058392684 0.40622725 -5.146409655 stable

PTAR1 0.097546149 10.72066448 1.950120673 0.058437271 0.406363645 -5.147062394 stable

POLD2 -0.114351819 8.991220403 -1.949622313 0.058498764 0.406363645 -5.147961774 stable

ACTL7B 0.004049958 2.552477889 1.949536155 0.0585094 0.406363645 -5.148117242 stable

CRH -0.136402449 4.170011928 -1.949495903 0.05851437 0.406363645 -5.148189874 stable

TESK2 -0.111958045 7.947023825 -1.949492198 0.058514828 0.406363645 -5.148196559 stable

LINC00567 0.017941878 3.410590509 1.949385988 0.058527943 0.406363645 -5.148388198 stable

NSUN5 -0.143830362 10.86776604 -1.949343207 0.058533227 0.406363645 -5.148465388 stable

RP11-171N4.1 0.0432598 3.263539044 1.948914003 0.058586258 0.406611796 -5.149239722 stable

RASSF8 0.008002153 2.918449726 1.948689895 0.058613965 0.406654094 -5.149643983 stable

PIGH -0.130485291 8.185851305 -1.948398413 0.058650018 0.406654094 -5.150169722 stable

CAND1.11 0.007760992 2.825438738 1.948358314 0.058654979 0.406654094 -5.150242043 stable

AX748339 -0.115481551 4.935581463 -1.948133771 0.058682768 0.406654094 -5.150646993 stable

TXK 0.300698791 10.77000351 1.948091202 0.058688037 0.406654094 -5.15072376 stable

KIF3A 0.216760371 7.393572061 1.948026181 0.058696086 0.406654094 -5.150841013 stable

RP11-673E11.2 0.005639182 2.840043322 1.947556299 0.058754285 0.406919554 -5.151688258 stable

PNPLA7 -0.136271795 3.623553497 -1.947437533 0.058769003 0.406919554 -5.151902378 stable

ADCY8 0.007928552 2.814098208 1.946840007 0.0588431 0.407312699 -5.152979483 stable

PLGLB2 0.391325979 5.065315549 1.946675804 0.058863476 0.407333868 -5.153275428 stable

UTP15 0.166393928 6.237782062 1.94613014 0.058931232 0.407661918 -5.154258742 stable

ITSN1 -0.032281326 2.610282167 -1.94598141 0.058949712 0.407661918 -5.15452672 stable

CXCL5 -0.088343365 3.715595655 -1.945875471 0.058962878 0.407661918 -5.15471759 stable

NDUFS6 0.10710248 10.29855556 1.945434354 0.059017726 0.407757907 -5.155512253 stable

NBPF10 /// NBPF14 /// NBPF26 -0.098367369 13.22041154 -1.945380937 0.059024371 0.407757907 -5.155608472 stable

IGLL3P -0.283182813 9.950085599 -1.945345587 0.059028769 0.407757907 -5.155672147 stable

ANKRD36BP2 -0.469714455 5.928857656 -1.944587817 0.059123108 0.408246303 -5.157036858 stable

MAP3K19 0.006331105 2.524920847 1.944335614 0.059154536 0.408246303 -5.157490969 stable

LOC101928323 -0.029083165 3.543519447 -1.944161301 0.059176265 0.408246303 -5.157804805 stable

LINC00847 0.256928132 8.326322154 1.944084214 0.059185877 0.408246303 -5.157943585 stable

DCAF11 0.090959185 9.137657739 1.944081186 0.059186255 0.408246303 -5.157949036 stable

IL17A 0.009348546 2.947828763 1.943920591 0.059206283 0.408264728 -5.158238144 stable

MCEE -0.126571749 8.483918923 -1.943305903 0.059282998 0.408611949 -5.159344539 stable

LOC101928927 /// SNHG15 /// SNORA9 -0.126091602 8.882033521 -1.943238771 0.059291381 0.408611949 -5.159465353 stable

PI16 -0.045457777 6.080953145 -1.94287243 0.059337148 0.408685832 -5.160124587 stable

RPA3OS 0.12823848 6.820731097 1.942865716 0.059337987 0.408685832 -5.160136668 stable

MEF2C-AS1 -0.029604415 2.54344341 -1.942735774 0.059354228 0.408685832 -5.160370474 stable

GUSBP1 /// GUSBP4 -0.066979262 2.632144027 -1.94196683 0.059450415 0.40914474 -5.161753782 stable

TMEM17 -0.36029609 3.304987292 -1.94192488 0.059455666 0.40914474 -5.161829235 stable

NFKB2 -0.153678034 9.755504994 -1.941017051 0.059569407 0.40972663 -5.163461785 stable

RSAD1 -0.088315337 9.535648297 -1.940906321 0.059583293 0.40972663 -5.163660869 stable

SNRPB2 -0.262090692 4.072942017 -1.940833049 0.059592483 0.40972663 -5.1637926 stable

MIR7110 /// PDIA5 -0.232059027 8.038470096 -1.940406317 0.059646031 0.409889403 -5.164559717 stable

ZXDC -0.072356823 9.222197722 -1.940366647 0.059651011 0.409889403 -5.164631022 stable

ACSBG1 -0.385874022 4.212813115 -1.940118608 0.059682157 0.409983649 -5.16507684 stable

PIGN 0.137184249 7.454686849 1.939562301 0.059752063 0.410344018 -5.166076557 stable

DQX1 0.014181525 2.839736597 1.939367612 0.059776544 0.41039232 -5.166426369 stable

C1orf198 -0.281969192 8.817190956 -1.939147604 0.059804219 0.410462516 -5.16682164 stable

RABIF 0.157281218 7.218071442 1.938895442 0.059835953 0.410555847 -5.167274633 stable

APAF1 0.182113643 10.42224147 1.938681492 0.05986289 0.410555847 -5.167658944 stable

RFX7 0.116421511 8.616321198 1.938623582 0.059870182 0.410555847 -5.167762959 stable

BTNL3 -0.077622992 5.663237418 -1.938317291 0.059908767 0.410590644 -5.168313064 stable

GSTZ1 -0.231618686 6.996720921 -1.93830616 0.059910169 0.410590644 -5.168333054 stable

HES6 0.145846818 4.142756393 1.937764017 0.059978518 0.410939333 -5.169306574 stable

GZF1 0.153097485 8.146131885 1.937240166 0.060044625 0.41127246 -5.170247033 stable

SEC22C 0.314193558 4.290972694 1.936936137 0.060083021 0.411415642 -5.170792756 stable

RAB4A /// SPHAR -0.171041486 9.502460179 -1.936215084 0.060174166 0.411919837 -5.172086741 stable

CLDN16 0.008628589 2.433879497 1.934442277 0.060398766 0.413235061 -5.175266496 stable

KRT83 -0.065297976 2.886897528 -1.934367218 0.060408291 0.413235061 -5.17540107 stable

ZEB2 0.305213899 9.669586319 1.93428282 0.060419003 0.413235061 -5.175552385 stable

ZNF417 /// ZNF587 0.087893198 3.920917304 1.933051993 0.060575408 0.414066154 -5.177758472 stable

ALAD -0.085871751 9.687880846 -1.933049501 0.060575725 0.414066154 -5.177762938 stable

MIR3656 /// TRAPPC4 0.152433162 10.1613929 1.932349621 0.060664817 0.414174625 -5.179016859 stable

LA16c-395F10.2 -0.017096197 3.099374358 -1.932291931 0.060672166 0.414174625 -5.179120202 stable

PRR24 -0.109026368 8.16537404 -1.932283612 0.060673225 0.414174625 -5.179135102 stable

HDGFRP3 0.128209752 3.109420191 1.932278584 0.060673866 0.414174625 -5.17914411 stable

LEFTY1 -0.290983879 3.547031968 -1.93197323 0.060712777 0.414174625 -5.179691056 stable

ABHD13 -0.085002804 8.511154092 -1.931968883 0.060713331 0.414174625 -5.179698842 stable

DARS2 0.216774813 4.870968802 1.931821896 0.060732069 0.414174625 -5.179962097 stable

TOR1B 0.189449796 9.818646704 1.931818796 0.060732464 0.414174625 -5.179967649 stable

LOC101928161 0.004245588 2.394047249 1.930765098 0.060866937 0.414966566 -5.181854349 stable

TMEM237 0.048976989 3.10658497 1.930623357 0.060885045 0.414966566 -5.182108079 stable

SNX4 0.09589795 9.158287859 1.930494459 0.060901517 0.414966566 -5.182338806 stable

HMG20A 0.10862161 10.4389968 1.929896186 0.06097802 0.415341654 -5.183409543 stable

FER1L5 0.004762501 2.649621117 1.929785766 0.060992149 0.415341654 -5.183607134 stable

CYP4F22 0.299326584 3.280136457 1.929649872 0.061009541 0.415341654 -5.183850296 stable

BBIP1 -0.075820708 10.57670332 -1.929336957 0.061049605 0.415480202 -5.184410157 stable

FAM53B-AS1 0.035278882 2.482975447 1.929215042 0.061065221 0.415480202 -5.184628265 stable

EIF2D -0.11723032 10.14307766 -1.928861918 0.06111047 0.415667834 -5.185259944 stable

PWP1 -0.090543235 10.57015151 -1.928467978 0.061160984 0.415891155 -5.185964524 stable

POU1F1 0.026026502 3.63941718 1.928198642 0.061195541 0.415905655 -5.186446175 stable

ACAD10 -0.111682238 7.313522091 -1.928175731 0.061198481 0.415905655 -5.186487145 stable

PCYOX1 0.213562581 6.895288541 1.927762747 0.061251503 0.416145757 -5.187225568 stable

EPDR1 0.28213348 3.750178458 1.927421811 0.061295305 0.416323093 -5.187835067 stable

POLG 0.085299539 9.762017008 1.926674633 0.061391393 0.416855359 -5.189170509 stable

MEPCE -0.135390773 10.92508548 -1.925676697 0.061519932 0.417607593 -5.190953468 stable

CCDC158 0.003956006 2.53929186 1.925471853 0.061546345 0.417640836 -5.191319357 stable

RAX -0.017765884 2.66249522 -1.925331086 0.061564502 0.417640836 -5.191570775 stable

LRRC2 0.024513287 3.527066992 1.925225317 0.061578147 0.417640836 -5.191759674 stable

NCALD 0.003038296 2.55988971 1.924950084 0.061613668 0.417640836 -5.19225119 stable

LOC100131662 -0.374316677 6.183355999 -1.924909736 0.061618876 0.417640836 -5.19232324 stable

ACTR3BP2 /// ACTR3BP5 -0.036641549 3.184430983 -1.924725287 0.061642692 0.417640836 -5.192652594 stable

CCDC176 -0.290584136 5.492670532 -1.924675507 0.061649121 0.417640836 -5.192741475 stable

IGLC1 -0.326517949 14.15273102 -1.923606011 0.061787383 0.418456962 -5.194650625 stable

RRAGA 0.117142553 10.68164124 1.923202679 0.061839594 0.418610429 -5.195370382 stable

C4orf27 0.029947184 3.439206095 1.923156008 0.061845638 0.418610429 -5.19545366 stable

SNX16 0.248383383 4.896353263 1.922806067 0.061890972 0.418796761 -5.196078026 stable

MAVS -0.077047884 9.476292313 -1.922605522 0.061916965 0.418852149 -5.196435798 stable

LOC100506368 -0.023306 2.474330332 -1.922089564 0.061983882 0.419184269 -5.197356123 stable

SMAP2 -0.168952545 12.23141751 -1.921872025 0.062012114 0.419254654 -5.197744092 stable

RGS12 0.070820722 3.759082251 1.921463961 0.062065103 0.419447372 -5.198471751 stable

ABL1 0.091075382 9.180324653 1.921377888 0.062076285 0.419447372 -5.198625222 stable

SF3B1 -0.114587242 11.54614548 -1.92105945 0.062117669 0.419606459 -5.199192951 stable

FAM120B 0.089263277 8.042899088 1.920760709 0.062156515 0.419651655 -5.199725493 stable

ATF6B -0.151295214 6.001958235 -1.920733583 0.062160043 0.419651655 -5.199773845 stable

LOC728743 /// ZNF775 -0.157703422 8.796725511 -1.920579548 0.062180081 0.419666484 -5.200048402 stable

HDX 0.086424311 3.104461063 1.920279437 0.062219139 0.419777173 -5.200583275 stable

SOX7 0.005793013 2.583559647 1.920179302 0.062232176 0.419777173 -5.200761726 stable

LOC101927592 0.011746828 2.758953341 1.919861269 0.062273596 0.419879355 -5.201328443 stable

TMEM14B -0.097390599 12.34572489 -1.919788885 0.062283027 0.419879355 -5.201457416 stable

RP11-63D14.1 0.005899879 2.879984538 1.918879854 0.062401565 0.420557937 -5.20307678 stable

FOS 0.491329 13.23532054 1.918675598 0.062428226 0.420580898 -5.203440557 stable

SLC9A1 0.017905085 3.796415557 1.918476144 0.062454271 0.420580898 -5.203795753 stable

AC092620.2 -0.312198132 8.024191513 -1.918189772 0.062491681 0.420580898 -5.20430568 stable

NSUN6 -0.254341529 7.955105172 -1.9181378 0.062498472 0.420580898 -5.204398219 stable

ZSCAN9 0.235735257 6.489399861 1.918019587 0.062513922 0.420580898 -5.204608691 stable

EGLN2 /// RAB4B /// RAB4B-EGLN2 0.133839595 7.76165863 1.917838123 0.062537645 0.420580898 -5.204931759 stable

ITGAE -0.101013835 11.06083732 -1.917672027 0.062559365 0.420580898 -5.205227443 stable

GTF2H4 0.137021026 7.139106705 1.917555536 0.062574603 0.420580898 -5.20543481 stable

PLK1 -0.025106074 2.417254601 -1.917481373 0.062584305 0.420580898 -5.205566821 stable

TMEM140 -0.293217392 9.689917398 -1.917444273 0.06258916 0.420580898 -5.20563286 stable

FOXA3 0.002942783 2.222966439 1.917324626 0.062604816 0.420580898 -5.205845822 stable

QRICH2 -0.058104969 3.328441146 -1.917103626 0.062633745 0.420580898 -5.206239156 stable

HES4 0.334261782 4.871989074 1.917075513 0.062637425 0.420580898 -5.206289188 stable

RP11-203B7.1 0.015417463 2.766201348 1.916671949 0.062690284 0.420697738 -5.207007345 stable

LOC100129129 -0.153112875 7.037269204 -1.916669543 0.062690599 0.420697738 -5.207011625 stable

LINC00152 /// LOC101930489 /// MIR4435-1HG -0.132353694 11.16639678 -1.915553241 0.06283701 0.421495363 -5.20899747 stable

LINC01023 -0.072453407 2.934222074 -1.915490123 0.062845297 0.421495363 -5.209109726 stable

HINT3 0.232319056 4.155793056 1.915323824 0.062867136 0.42152164 -5.209405473 stable

PARM1 -0.207872915 2.70544586 -1.914089865 0.063029388 0.422489094 -5.211599296 stable

WNT7A -0.071410172 2.487489803 -1.913749065 0.063074262 0.422669437 -5.212204989 stable

ASAP2 -0.296630925 8.273864535 -1.913232568 0.063142324 0.42272427 -5.213122773 stable

IGKV1-17 /// IGKV1-17 -0.467081093 10.15495348 -1.913157253 0.063152254 0.42272427 -5.213256587 stable

FNDC3B /// LOC101928615 0.216182776 9.747090397 1.912836318 0.063194583 0.42272427 -5.213826748 stable

FAM71A /// FAM71A /// RP11-338C15.5 -0.023787752 2.789017229 -1.912669812 0.063216553 0.42272427 -5.214122525 stable

RP11-1109M24.16 0.007393095 2.860034334 1.912574819 0.063229091 0.42272427 -5.214291259 stable

TBCCD1 0.161639704 7.747500558 1.912496421 0.063239439 0.42272427 -5.21443051 stable

THOC7 -0.083163676 11.02199725 -1.912463634 0.063243768 0.42272427 -5.214488745 stable

POLR3A 0.084518015 3.158040086 1.912373442 0.063255676 0.42272427 -5.214648937 stable

RP11-298H24.1 0.007478636 2.705956286 1.91234303 0.063259691 0.42272427 -5.21470295 stable

LOC100130987 -0.168645657 3.809681938 -1.91214554 0.063285774 0.42272427 -5.215053691 stable

FGFR1OP2 0.094930783 4.120768274 1.912126568 0.06328828 0.42272427 -5.215087383 stable

IGLC1 /// IGLJ3 /// IGLV2-14 /// IGLV@ -0.472804336 10.97606913 -1.911970529 0.063308895 0.42272427 -5.215364482 stable

SIRT1 0.157543003 9.130917366 1.911796844 0.063331849 0.42272427 -5.215672896 stable

5-Mar 0.08405564 9.893954318 1.911748377 0.063338255 0.42272427 -5.215758955 stable

CCDC169 0.00826572 2.557192315 1.911573148 0.063361422 0.42272427 -5.21607008 stable

HEIH -0.120373049 10.31538316 -1.911508279 0.06337 0.42272427 -5.216185253 stable

OBSL1 -0.106988977 2.72732354 -1.91131628 0.063395395 0.422773772 -5.216526116 stable

HOXA10-AS /// MIR196B 0.003774862 2.545262567 1.911074373 0.063427404 0.42286734 -5.216955546 stable

EML6 -0.667049858 5.8149989 -1.910705474 0.063476243 0.422940219 -5.217610322 stable

HPS1 -0.100369571 9.38700042 -1.910585267 0.063492165 0.422940219 -5.217823659 stable

TINF2 0.085207838 10.76031733 1.910517448 0.063501149 0.422940219 -5.217944018 stable

CEP250 0.195674002 7.146062629 1.910448668 0.063510261 0.422940219 -5.218066077 stable

LOC101929450 0.033725512 3.495396136 1.910113302 0.063554709 0.42297838 -5.218661177 stable

RP11-804H8.6 -0.152649027 4.635000769 -1.910091267 0.063557631 0.42297838 -5.218700274 stable

C12orf5 0.193436656 8.96084895 1.909998425 0.063569941 0.42297838 -5.218865004 stable

PSMA5 0.118608865 10.54998986 1.909438543 0.06364422 0.423269444 -5.219858261 stable

CCL11 0.004794118 2.626362713 1.90939744 0.063649676 0.423269444 -5.219931171 stable

GGT7 -0.122602673 7.752889579 -1.909056282 0.063694977 0.423450975 -5.220536272 stable

LRP8 0.157884419 6.495364766 1.908885826 0.063717621 0.423481824 -5.220838572 stable

MTERF2 0.247813399 7.100241223 1.90841151 0.063780669 0.423757378 -5.221679642 stable

PLEKHA1 0.179485856 9.318204837 1.908180981 0.063811331 0.423757378 -5.222088359 stable

MIER1 0.174717695 8.078013987 1.90816746 0.06381313 0.423757378 -5.222112331 stable

ZNF112 0.078613319 3.360368983 1.907259947 0.063933962 0.424439943 -5.223720905 stable

CCNB1IP1 -0.101162709 9.667505333 -1.906923624 0.063978792 0.424525295 -5.224316879 stable

DERA -0.081921503 10.29313369 -1.906862882 0.063986891 0.424525295 -5.224424508 stable

ACTG1P4 /// AMY2B /// RNPC3 -0.189120597 10.33304781 -1.906717234 0.064006316 0.424525295 -5.224682566 stable

FBXO11 -0.167725385 9.705283144 -1.906495805 0.064035857 0.424525295 -5.225074863 stable

LOC100996696 /// PABPC4 -0.061597603 11.71436166 -1.90644385 0.06404279 0.424525295 -5.225166904 stable

TSG101 0.124349263 10.33127259 1.906351525 0.064055111 0.424525295 -5.225330457 stable

ATP13A1 -0.063056096 9.781962822 -1.906129135 0.0640848 0.424602416 -5.225724394 stable

SNAPC3 0.095980906 7.776212843 1.905552541 0.064161828 0.424993063 -5.226745582 stable

FSHB -0.043857345 2.683229593 -1.904400907 0.064315916 0.425810487 -5.228784442 stable

DUSP22 /// LOC100653247 -0.131558468 11.19285475 -1.904359645 0.064321443 0.425810487 -5.228857475 stable

DEFB107A /// DEFB107B 0.010601472 2.765909106 1.904221155 0.064339995 0.425813459 -5.229102584 stable

RP11-559M23.1 -0.13615494 5.850367183 -1.903817065 0.064394155 0.425899693 -5.229817692 stable

PRRC2B 0.121645562 10.08814486 1.903645912 0.064417106 0.425899693 -5.230120538 stable

BCL7B -0.074282816 9.769415557 -1.903610033 0.064421918 0.425899693 -5.23018402 stable

HRASLS -0.602226704 6.844092965 -1.90358367 0.064425454 0.425899693 -5.230230666 stable

GPR45 -0.012146122 3.331467676 -1.903230495 0.064472841 0.425934243 -5.230855503 stable

GLI3 0.007347237 2.769485827 1.903145958 0.064484189 0.425934243 -5.231005052 stable

MRPL37 -0.094327148 9.726923332 -1.903094405 0.064491109 0.425934243 -5.231096248 stable

TGS1 0.117990098 8.01865906 1.903004982 0.064503115 0.425934243 -5.23125443 stable

RASA2 0.172979259 9.307789795 1.902744229 0.064538135 0.42597771 -5.231715648 stable

ZNF641 0.215473296 7.173195578 1.902568189 0.064561787 0.42597771 -5.232026997 stable

TRMT10C 0.184876919 9.07679025 1.9025515 0.064564029 0.42597771 -5.232056511 stable

GEMIN6 0.254551535 7.848857991 1.902183043 0.064613559 0.426176343 -5.232708091 stable

LOC101928728 -0.102049607 2.494853806 -1.902058012 0.064630374 0.426176343 -5.232929173 stable

FRAT1 0.240680222 9.601457736 1.901581065 0.064694549 0.426479959 -5.233772405 stable

THAP9 0.040619359 3.592446766 1.901223227 0.064742734 0.42667802 -5.23440494 stable

TTLL4 -0.098106788 4.979764057 -1.901054232 0.064765501 0.426708501 -5.234703631 stable

SLC8A3 -0.368927403 4.263907285 -1.900292379 0.064868222 0.4272656 -5.2360499 stable

ISG20 -0.14630892 11.5533357 -1.899940214 0.064915752 0.427420422 -5.236672058 stable

FAM229A -0.178656265 4.319972503 -1.89983453 0.064930022 0.427420422 -5.236858749 stable

IGLC1 /// IGLV3-25 /// IGLV3-25 -0.411701177 9.489164639 -1.899714412 0.064946243 0.427420422 -5.237070925 stable

ZNF154 -0.345946046 5.982828806 -1.899298638 0.065002419 0.427602639 -5.237805266 stable

LINC01187 0.015764451 2.822003906 1.899205959 0.065014947 0.427602639 -5.237968936 stable

PLEKHM3 0.2761553 6.310350036 1.899010849 0.065041327 0.427602639 -5.238313481 stable

KAT7 0.094869691 9.449345864 1.898786549 0.065071666 0.427602639 -5.238709534 stable

CNN3 -0.148396233 2.947203053 -1.898779044 0.065072681 0.427602639 -5.238722786 stable

PRSS54 0.003381099 2.440706461 1.89870271 0.065083009 0.427602639 -5.238857562 stable

OSBP2 0.035317376 3.305866392 1.898529994 0.065106382 0.42763675 -5.239162493 stable

NGDN -0.06350966 10.33295823 -1.898277224 0.065140601 0.427645565 -5.23960872 stable

FKBP1B /// MFSD2B -0.186039537 5.840407818 -1.898151972 0.065157563 0.427645565 -5.239829816 stable

LINC01278 0.189290932 8.040792376 1.897835414 0.065200449 0.427645565 -5.240388553 stable

RBP2 -0.037731843 3.27473071 -1.897818562 0.065202733 0.427645565 -5.240418295 stable

LOC100131860 0.011969102 2.599566416 1.897758751 0.065210839 0.427645565 -5.240523854 stable

NOX3 0.00520078 2.368708902 1.897714678 0.065216812 0.427645565 -5.240601635 stable

LINC01365 0.006211267 2.719697084 1.897157426 0.065292382 0.42802177 -5.241584965 stable

CHCHD7 -0.099495797 9.744467703 -1.896526851 0.065377985 0.428463524 -5.242697392 stable

EMD -0.108857227 8.165206086 -1.895765263 0.065481502 0.428915042 -5.244040538 stable

ANO6 -0.17711096 11.23601752 -1.895751666 0.065483352 0.428915042 -5.244064514 stable

CRTC3 -0.134269566 11.590951 -1.895413663 0.06552934 0.429083302 -5.244660473 stable

MAU2 -0.08899487 9.340680428 -1.895071503 0.065575922 0.429083302 -5.245263672 stable

TMC4 0.089041567 3.464896408 1.89467742 0.065629608 0.429083302 -5.245958296 stable

RABGEF1 -0.083423887 5.681755099 -1.894612365 0.065638474 0.429083302 -5.246072951 stable

MFSD10 0.07999486 9.204292174 1.894217095 0.065692366 0.429083302 -5.246769526 stable

SST 0.006718675 2.609362284 1.894105891 0.065707535 0.429083302 -5.246965478 stable

IGHG1 /// IGHM /// LOC102725426 /// MIR8071-1 /// MIR8071-2 -0.577084098 9.388617271 -1.894091756 0.065709463 0.429083302 -5.246990385 stable

MVD 0.157664673 5.126467973 1.894083268 0.065710621 0.429083302 -5.24700534 stable

C12orf65 0.206068158 6.618550138 1.894065489 0.065713047 0.429083302 -5.247036667 stable

ZBP1 0.198302773 6.603622015 1.893828569 0.065745376 0.429083302 -5.247454101 stable

TUSC2 0.123269626 9.004124961 1.89354311 0.065784346 0.429083302 -5.247956998 stable

MNX1-AS1 0.003506897 2.371767004 1.893503045 0.065789817 0.429083302 -5.248027575 stable

PFKFB3 0.190690771 9.426474562 1.89340139 0.065803701 0.429083302 -5.248206645 stable

HDGF -0.066908516 11.51367132 -1.893348907 0.06581087 0.429083302 -5.248299092 stable

ZFP2 0.009271707 3.139042244 1.893334471 0.065812842 0.429083302 -5.24832452 stable

CHTF18 -0.111969987 6.421361696 -1.893326324 0.065813955 0.429083302 -5.248338872 stable

M6PR /// PHC1 0.085711707 11.46983064 1.893288193 0.065819164 0.429083302 -5.248406036 stable

RAP2B 0.067361372 11.84941768 1.892940291 0.065866707 0.429161847 -5.249018788 stable

RPL22P22 /// RPL22P22 -0.060564146 8.736453184 -1.892754202 0.06589215 0.429161847 -5.249346503 stable

FHL2 -0.538096107 6.424071512 -1.892599836 0.065913262 0.429161847 -5.249618332 stable

IGLJ3 /// IGLV3-19 /// IGLV3-19 -0.425305189 8.774306902 -1.892470875 0.065930903 0.429161847 -5.24984541 stable

REEP4 0.216174835 8.738373907 1.892327288 0.06595055 0.429161847 -5.250098227 stable

SNX18 0.113767652 2.379672223 1.892275489 0.065957639 0.429161847 -5.250189426 stable

SEC62 0.130125555 7.863661994 1.892266033 0.065958934 0.429161847 -5.250206075 stable

RCC2 0.071556405 11.44094112 1.891894876 0.066009748 0.429373697 -5.250859488 stable

NAPB 0.156549515 5.495305765 1.891538108 0.066058624 0.429572824 -5.251487469 stable

RSPO2 0.006164775 2.744378517 1.891325561 0.066087758 0.42964349 -5.251861548 stable

DOCK2 0.086926696 2.647539415 1.890925757 0.066142587 0.429881126 -5.2525651 stable

KIAA1715 0.108497399 7.801742898 1.890663574 0.066178564 0.429996137 -5.253026406 stable

IGSF11 0.005474221 2.288662159 1.890407863 0.06621367 0.430105421 -5.253476276 stable

ELL 0.17408038 6.52814953 1.88991548 0.066281311 0.430277758 -5.254342375 stable

GBP3 0.304193539 10.49002102 1.889817524 0.066294775 0.430277758 -5.254514656 stable

PRKCI 0.126313274 4.644972556 1.889815301 0.066295081 0.430277758 -5.254518566 stable

TMEM52B 0.035048187 3.287477006 1.889501655 0.066338207 0.430438887 -5.255070147 stable

NHP2 -0.101576689 11.49795058 -1.889157983 0.066385489 0.430626885 -5.255674445 stable

PET112 -0.132025062 6.759375938 -1.888886492 0.066422861 0.430667631 -5.256151758 stable

KRT18 -0.223489892 5.533394529 -1.888846335 0.06642839 0.430667631 -5.256222353 stable

IGLL5 -0.414431883 10.31099279 -1.888650505 0.06645536 0.430688288 -5.256566604 stable

ATL1 -0.288480794 5.969327856 -1.888215892 0.066515249 0.430688288 -5.257330508 stable

GOLPH3L 0.110711096 9.453956629 1.888085952 0.066533163 0.430688288 -5.25755887 stable

NIPAL4 -0.149258093 2.924469466 -1.888075483 0.066534607 0.430688288 -5.257577267 stable

FAM212B-AS1 -0.353812462 7.049458218 -1.888027276 0.066541254 0.430688288 -5.257661986 stable

WNT6 0.004867729 2.31061658 1.888014079 0.066543074 0.430688288 -5.257685178 stable

EFHC1 -0.199546719 6.856495228 -1.887893151 0.066559752 0.430688288 -5.257897684 stable

ZSCAN16 0.127819525 7.159856357 1.887750835 0.066579384 0.430696835 -5.258147759 stable

RNF139-AS1 -0.275571319 2.522906323 -1.887537514 0.06660882 0.430768784 -5.258522575 stable

OSBPL2 0.064469273 8.721638082 1.887017856 0.066680575 0.431114296 -5.259435494 stable

ANAPC15 -0.152369272 9.218297991 -1.886487289 0.066753905 0.431469797 -5.260367364 stable

SYCE2 -0.007299522 2.432910452 -1.886209792 0.066792285 0.431599267 -5.260854664 stable

ADAMTSL4 0.087927829 4.492516802 1.885953688 0.066827723 0.431709659 -5.261304342 stable

TMCC3 0.35227111 7.782399952 1.885796465 0.066849486 0.431731677 -5.261580376 stable

MSANTD3-TMEFF1 /// TMEFF1 -0.189840133 3.885975118 -1.885149585 0.066939094 0.432052385 -5.262715894 stable

MGAT4B -0.179405106 10.13958936 -1.885111719 0.066944343 0.432052385 -5.262782354 stable

IRF8 -0.196393315 11.81877602 -1.884910904 0.066972183 0.432052385 -5.263134788 stable

GPR171 0.256741485 10.55248584 1.884907752 0.06697262 0.432052385 -5.263140319 stable

ZZZ3 0.077612076 9.273915014 1.88469192 0.067002553 0.43212697 -5.263519074 stable

HMGCS1 0.235950239 7.106741399 1.884137056 0.067079559 0.432505019 -5.264492614 stable

CCDC14 0.003972652 2.400397544 1.883933198 0.06710787 0.432568982 -5.264850235 stable

RP4-781L3.1 0.076533739 9.618669289 1.883522646 0.067164917 0.432742581 -5.265570354 stable

ITPR3 -0.083402164 4.487955854 -1.883474583 0.067171598 0.432742581 -5.26565465 stable

PIH1D1 -0.056384309 10.24463463 -1.882708888 0.067278113 0.433194261 -5.266997321 stable

FGF6 -0.139716284 6.110107449 -1.88270579 0.067278544 0.433194261 -5.267002754 stable

GOLT1B -0.068472979 9.578463515 -1.882292557 0.067336089 0.433446124 -5.267727183 stable

LOC101927204 0.161890301 8.485641965 1.882136545 0.067357825 0.433467414 -5.268000649 stable

PPIF -0.151609071 10.1323517 -1.881973136 0.067380598 0.433495363 -5.268287062 stable

C19orf33 -0.517178485 8.908289596 -1.88163301 0.06742802 0.433681835 -5.268883147 stable

MTMR12 -0.113041855 7.514826031 -1.881364991 0.067465409 0.433781682 -5.269352797 stable

INO80D -0.054055823 3.124492432 -1.881160002 0.067494017 0.433781682 -5.269711961 stable

C7orf73 -0.177224762 8.303678 -1.88100158 0.067516134 0.433781682 -5.269989514 stable

DHODH -0.064651704 3.333509942 -1.880993128 0.067517314 0.433781682 -5.270004321 stable

ANKRD13A -0.067640067 12.28785083 -1.880773484 0.067547988 0.433860246 -5.270389099 stable

LOC101927603 0.107310718 3.463577076 1.880485249 0.067588259 0.433966119 -5.27089398 stable

MKNK1 0.152458185 6.597297737 1.880391426 0.067601372 0.433966119 -5.27105831 stable

NAV2-AS5 0.004234321 2.268585791 1.880142942 0.067636111 0.434070658 -5.271493491 stable

CTD-2251F13.1 0.008140731 2.793086233 1.879537944 0.067720756 0.434373334 -5.272552855 stable

ASXL2 0.110360961 9.008490949 1.879388394 0.067741694 0.434373334 -5.272814676 stable

ITGB3BP -0.294293172 9.797826475 -1.879291264 0.067755295 0.434373334 -5.272984715 stable

LOC101928054 0.155163926 9.375232752 1.87927807 0.067757143 0.434373334 -5.273007811 stable

EGFEM1P 0.011441719 2.806209861 1.878624214 0.067848768 0.434667744 -5.274152275 stable

LOC100507459 0.013456319 2.850573003 1.878592796 0.067853174 0.434667744 -5.27420726 stable

IL34 -0.082934759 6.149728933 -1.878408092 0.067879077 0.434667744 -5.274530488 stable

RP3-384D21.2 -0.056938337 2.756311194 -1.878397993 0.067880493 0.434667744 -5.274548161 stable

DAG1 0.094833639 9.360184662 1.878264952 0.067899157 0.434667744 -5.274780963 stable

LCP2 0.122406426 12.28752152 1.87815954 0.067913948 0.434667744 -5.274965408 stable

RAB13 -0.247325498 8.193121992 -1.877374328 0.06802421 0.43516904 -5.276339069 stable

TNPO2 0.071376429 4.321539083 1.877338289 0.068029274 0.43516904 -5.276402104 stable

SH3BP5-AS1 -0.236881094 7.486615009 -1.877094091 0.068063599 0.435188446 -5.276829204 stable

RHOBTB1 -0.395023542 8.225641367 -1.876993185 0.068077787 0.435188446 -5.277005673 stable

FAM27B /// FAM27C -0.01488804 2.520113264 -1.87690832 0.068089721 0.435188446 -5.277154083 stable

MIR636 /// SRSF2 -0.094434044 11.22234563 -1.876712361 0.068117285 0.435188446 -5.277496752 stable

TSC22D2 0.089907325 10.24359972 1.876314736 0.068173244 0.435188446 -5.278191976 stable

BRWD1-IT2 -0.10457102 3.113958666 -1.876258132 0.068181214 0.435188446 -5.278290936 stable

LOC100129884 -0.093503956 2.95159135 -1.876215083 0.068187275 0.435188446 -5.278366195 stable

TMED9 0.096678564 11.5740914 1.875982461 0.068220037 0.435188446 -5.278772845 stable

LPAR5 0.277695032 9.051839934 1.875923293 0.068228372 0.435188446 -5.278876273 stable

ANKRD30BP2 0.008490374 2.939645546 1.87588504 0.068233762 0.435188446 -5.278943137 stable

PGM1 0.152106426 10.26046912 1.875838036 0.068240384 0.435188446 -5.279025297 stable

DGKZ 0.110876191 11.96620311 1.875736242 0.068254729 0.435188446 -5.279203221 stable

AZIN1 0.077753178 11.24907663 1.875522947 0.068284793 0.435188446 -5.279576009 stable

THEM4 -0.294190137 9.488143122 -1.875476529 0.068291338 0.435188446 -5.279657132 stable

ZNF691 0.140305452 2.623300584 1.875260838 0.068321754 0.435264351 -5.280034064 stable

GPN3 0.201052751 8.884141226 1.875037802 0.068353219 0.435346888 -5.280423793 stable

MED12L 0.003970533 2.278477796 1.874395 0.06844397 0.435806884 -5.2815468 stable

DHFR -0.151461201 8.307086476 -1.874059196 0.068491421 0.43599099 -5.282133339 stable

BOD1L1 0.066005922 10.52975789 1.873694139 0.068543036 0.436201503 -5.282770874 stable

PIGW -0.12451637 6.432280104 -1.873426209 0.06858094 0.436206971 -5.283238722 stable

USH1C -0.124587382 2.858609985 -1.873425884 0.068580986 0.436206971 -5.28323929 stable

SLCO2B1 0.005863688 2.1416955 1.873221945 0.068609849 0.436272578 -5.28359536 stable

MAPK8IP3 -0.185832805 7.865323219 -1.873052023 0.068633906 0.436307596 -5.283892014 stable

LPCAT3 /// U47924.30 -0.193108464 6.11913284 -1.872871982 0.068659403 0.436351749 -5.284206309 stable

FBXO33 -0.155420729 9.929565955 -1.872373171 0.068730087 0.436569072 -5.285076948 stable

PPP1R17 0.491452366 3.951085043 1.8723687 0.06873072 0.436569072 -5.285084751 stable

AP001347.6 /// BC024173 /// BC048201 0.008391339 2.745338602 1.872185297 0.068756725 0.436616341 -5.285404818 stable

RP11-486G15.2 -0.208784924 3.661017276 -1.871474221 0.068857628 0.437118244 -5.286645511 stable

ZNF516 0.19517483 8.510971815 1.871366452 0.068872931 0.437118244 -5.286833514 stable

LOC646626 -0.075963828 2.279262744 -1.871142845 0.068904693 0.43713621 -5.287223566 stable

CHST8 -0.204506981 3.883637636 -1.87102296 0.068921728 0.43713621 -5.287432673 stable

TRUB2 -0.074608915 7.750436621 -1.870846349 0.068946828 0.43713621 -5.287740703 stable

PPP1R3E -0.242263388 6.801994847 -1.870816232 0.06895111 0.43713621 -5.287793229 stable

MRPL40 -0.114372111 9.641859116 -1.870692599 0.068968687 0.43713621 -5.288008841 stable

KLHL31 0.004147682 2.301305271 1.870380878 0.069013021 0.437299372 -5.288552423 stable

NPTX2 0.005786834 2.541526541 1.870088817 0.069054581 0.437444871 -5.289061652 stable

GNAS-AS1 -0.007327312 2.368730545 -1.869906489 0.069080537 0.437463986 -5.289379521 stable

MTL5 0.015863652 2.192307849 1.86973401 0.069105099 0.437463986 -5.289680196 stable

CACUL1 0.140117398 8.961149463 1.869537062 0.069133155 0.437463986 -5.290023498 stable

IGHA1 /// IGHD /// IGHG1 /// IGHG3 /// IGHM /// IGHV4-31 -0.400082033 9.426482517 -1.86952555 0.069134795 0.437463986 -5.290043562 stable

ALKBH4 -0.111493185 7.098860876 -1.869358342 0.069158622 0.437463986 -5.290335 stable

COPB1 0.070986753 12.36438582 1.86928418 0.069169192 0.437463986 -5.290464254 stable

RGL2 -0.069277373 9.540010419 -1.868879945 0.069226831 0.437710833 -5.291168705 stable

LOC101930566 /// LOC102800447 0.015413545 3.247910683 1.868310099 0.069308155 0.438049078 -5.292161547 stable

PANK2 0.105615596 10.66057126 1.86824413 0.069317574 0.438049078 -5.292276469 stable

COL15A1 0.025333049 2.547123032 1.867749141 0.069388289 0.438340749 -5.293138659 stable

CCL26 0.005841395 2.448567288 1.867354628 0.069444694 0.438340749 -5.293825699 stable

NDC1 0.121049887 8.298010217 1.867235162 0.069461782 0.438340749 -5.294033725 stable

DNASE2 -0.12918462 8.476745887 -1.867212569 0.069465014 0.438340749 -5.294073064 stable

FCHO2 0.083430295 3.603436977 1.867202116 0.06946651 0.438340749 -5.294091264 stable

TARP 0.374801553 6.204287009 1.867138958 0.069475546 0.438340749 -5.294201235 stable

BCL3 /// MIR8085 0.244854878 6.42200998 1.86694932 0.069502683 0.438386383 -5.294531413 stable

C8G 0.043254617 2.620936027 1.86670681 0.0695374 0.438386383 -5.294953606 stable

SLC6A10P /// SLC6A8 -0.033816179 2.919464676 -1.866697778 0.069538693 0.438386383 -5.294969328 stable

ZNF543 0.028013724 3.061222416 1.866406644 0.06958039 0.438433498 -5.295476109 stable

COA6 0.154683092 9.146296457 1.866385311 0.069583447 0.438433498 -5.295513241 stable

MICU1 -0.147203322 9.668485288 -1.866044873 0.069632235 0.438623404 -5.296105758 stable

TIMM44 -0.102849439 7.132029633 -1.865425129 0.069721125 0.439065748 -5.29718416 stable

LOC101927534 -0.032656741 2.733089687 -1.865169572 0.069757807 0.439130255 -5.297628763 stable

MNAT1 0.133554046 6.844128868 1.864959902 0.069787916 0.439130255 -5.297993495 stable

MYO18A /// TIAF1 -0.116891462 9.93590706 -1.864891537 0.069797735 0.439130255 -5.298112412 stable

PCGF1 0.165902244 8.346080558 1.86477355 0.069814685 0.439130255 -5.298317637 stable

HLA-DMB -0.178633035 12.38532631 -1.864703733 0.069824716 0.439130255 -5.298439069 stable

NFE2L1 0.141333224 9.931483991 1.864357547 0.069874475 0.439303208 -5.299041137 stable

CRIPT 0.268751641 7.427935891 1.86425256 0.069889571 0.439303208 -5.299223705 stable

PDHB 0.093997829 10.09973579 1.863622939 0.069980163 0.439755121 -5.300318415 stable

TECR -0.395742091 6.264882078 -1.862925482 0.070080633 0.440268845 -5.301530711 stable

NDUFA6 -0.160918296 9.606949453 -1.861947098 0.070221777 0.44103776 -5.303230664 stable

LOC101929315 0.005590051 2.533442642 1.861285539 0.070317353 0.441441529 -5.304379711 stable

AURKAPS1 /// RAB3GAP2 0.084330378 9.741832946 1.861242318 0.070323601 0.441441529 -5.304454768 stable

APP -0.188522065 9.844931868 -1.860661111 0.070407665 0.441721459 -5.305463951 stable

PPP2CB 0.032747679 4.282439374 1.860561232 0.070422121 0.441721459 -5.305637351 stable

UBIAD1 -0.105856554 8.354056751 -1.860157204 0.070480619 0.441721459 -5.306338701 stable

SLC14A1 0.25944861 5.482365596 1.860144572 0.070482449 0.441721459 -5.306360627 stable

ANO9 -0.254243585 8.951594532 -1.860115539 0.070486654 0.441721459 -5.306411021 stable

NCL 0.061001575 13.76231373 1.860110603 0.070487369 0.441721459 -5.306419588 stable

DEK 0.067506477 12.98425582 1.860025802 0.070499654 0.441721459 -5.306566775 stable

RCAN3 -0.233758793 8.752429873 -1.859612949 0.070559487 0.441978612 -5.30728327 stable

SBF1 0.156574385 6.920728259 1.85908305 0.070636346 0.442342252 -5.308202703 stable

NOL8 -0.063410225 10.29084921 -1.858390912 0.070736845 0.442743065 -5.309403309 stable

XCL1 0.058779387 2.874920997 1.85835989 0.070741352 0.442743065 -5.309457113 stable

ZBTB20-AS1 0.064576419 2.937566877 1.85825344 0.070756821 0.442743065 -5.309641729 stable

NDUFA2 0.046760294 2.551705352 1.858052028 0.070786096 0.442808447 -5.309991014 stable

GFM2 0.063891511 9.152590213 1.85768493 0.07083948 0.442915163 -5.310627545 stable

PI4K2B /// SEPSECS-AS1 0.130577934 8.691458092 1.857675742 0.070840816 0.442915163 -5.310643476 stable

TMBIM4 -0.143369975 5.767512181 -1.857451067 0.070873506 0.443001792 -5.311032998 stable

TNF -0.464231598 5.635481516 -1.857126352 0.070920775 0.443179476 -5.311595894 stable

RP11-108K3.2 -0.00303448 2.182572099 -1.856846215 0.070961576 0.44331666 -5.312081448 stable

RP11-5C23.1 0.097382553 8.113944133 1.856355601 0.07103308 0.443645533 -5.312931666 stable

FLJ37453 -0.126500152 8.717399159 -1.856054249 0.071077031 0.443802189 -5.313453808 stable

PTPRH -0.041915498 2.886990258 -1.855671918 0.071132825 0.444017232 -5.314116155 stable

WNT2B 0.008323892 2.998458081 1.855559581 0.071149226 0.444017232 -5.314310745 stable

MCM3 0.101056946 10.06285381 1.855188379 0.071203443 0.444154229 -5.314953672 stable

GDPD5 -0.186648146 7.825028134 -1.855150721 0.071208945 0.444154229 -5.315018891 stable

TCF4 -0.31342549 9.915045535 -1.854792196 0.071261347 0.444363241 -5.315639748 stable

RPAIN -0.184610997 7.740019244 -1.85463591 0.0712842 0.444387933 -5.315910356 stable

RAB5C 0.170240769 10.57739963 1.854233404 0.071343086 0.444637181 -5.316607208 stable

EHD4 -0.192176981 5.029415757 -1.85403264 0.071372472 0.444702496 -5.316954739 stable

DNAJC5 0.074536728 9.741367077 1.853888784 0.071393536 0.44471593 -5.317203742 stable

TUBB2B 0.009258673 3.516280238 1.853608985 0.071434519 0.444853405 -5.317688003 stable

ANXA2R 0.178406187 10.01394334 1.853026197 0.071519945 0.445267505 -5.318696464 stable

PCDHA2 /// PCDHA3 0.006554852 3.003490725 1.852739253 0.071562038 0.445387137 -5.319192898 stable

GDAP2 -0.241109548 8.748049501 -1.852611593 0.071580772 0.445387137 -5.319413738 stable

PARVB -0.339679794 9.391629766 -1.852486403 0.071599148 0.445387137 -5.319630294 stable

LINC00630 0.008452853 2.864091017 1.852372527 0.071615866 0.445387137 -5.319827267 stable

LOC101060363 /// PPIA 0.042816761 14.82105959 1.852250124 0.07163384 0.445387137 -5.320038978 stable

PCDHGA1 /// PCDHGA10 /// PCDHGA11 /// PCDHGA12 /// PCDHGA2 /// PCDHGA3 /// PCDHGA4 /// PCDHGA5 /// PCDHGA6 /// PCDHGA7 /// PCDHGA8 /// PCDHGA9 /// PCDHGB1 /// PCDHGB2 /// PCDHGB3 /// PCDHGB4 /// PCDHGB5 /// PCDHGB6 /// PCDHGB7 /// PCDHGC3 /// PCDHGC4 /// PCDHGC5 0.146400458 2.428555682 1.851665155 0.07171979 0.445734376 -5.321050594 stable

IL22RA2 0.021979516 3.254299907 1.851612106 0.071727589 0.445734376 -5.32114232 stable

PSMA3 0.079064907 11.6781422 1.851334541 0.071768406 0.445870228 -5.321622223 stable

LOC101929084 -0.015462378 2.847670006 -1.851044944 0.071811014 0.446017128 -5.322122863 stable

GATC 0.141663687 9.151805305 1.850728537 0.071857591 0.446097625 -5.322669776 stable

POLM -0.145333614 8.792897555 -1.850699231 0.071861907 0.446097625 -5.322720428 stable

SEL1L2 0.003710935 2.597936463 1.850175662 0.07193904 0.446458614 -5.32362524 stable

CCRL2 0.491948196 4.534320684 1.849975709 0.071968516 0.446523728 -5.323970735 stable

TGIF1 -0.43861652 6.446289032 -1.84965608 0.072015655 0.446698369 -5.32452295 stable

RP11-182J23.1 0.007659342 2.94286409 1.849023789 0.072108983 0.447159346 -5.325615111 stable

FAHD2CP -0.145694592 4.049465444 -1.848819663 0.072139135 0.447184277 -5.325967631 stable

SHOC2 -0.049768434 11.95558143 -1.848739168 0.072151028 0.447184277 -5.326106635 stable

C21orf49 -0.178548252 3.764650079 -1.848533029 0.072181492 0.447224232 -5.326462588 stable

PRPS2 -0.092589715 9.082728048 -1.848438254 0.072195502 0.447224232 -5.32662623 stable

C15orf52 -0.190804447 6.056942792 -1.848202302 0.072230392 0.447286061 -5.327033603 stable

PRKAR1B -0.16505426 7.66415245 -1.848113567 0.072243516 0.447286061 -5.327186794 stable

CRHR1 0.003212716 2.206632625 1.847767732 0.072294687 0.44748509 -5.327783779 stable

LOC100130987 /// RAD9A 0.153601429 7.268533983 1.84728132 0.072366711 0.44762161 -5.328623271 stable

AJ011981 /// DPY19L1 0.127376761 3.007294171 1.847091654 0.072394812 0.44762161 -5.328950563 stable

SLC35D2 -0.098337448 8.981834825 -1.847088356 0.0723953 0.44762161 -5.328956253 stable

METTL18 0.27325787 8.621885268 1.847002974 0.072407954 0.44762161 -5.329103582 stable

TPRXL 0.017056474 2.288715963 1.846769517 0.07244256 0.44762161 -5.329506386 stable

PIK3C2A 0.138376471 8.935775627 1.846758212 0.072444237 0.44762161 -5.329525891 stable

LMTK3 -0.056193818 2.6327382 -1.846613087 0.072465757 0.44762161 -5.329776264 stable

SLC22A1 0.013345192 3.079464863 1.846484361 0.07248485 0.44762161 -5.329998333 stable

RP13-39P12.3 0.057984164 3.32705425 1.846462849 0.072488041 0.44762161 -5.330035442 stable

VARS -0.167677369 7.594686498 -1.846176017 0.072530602 0.44762161 -5.330530212 stable

TIMM50 -0.102599455 4.664030171 -1.846119833 0.072538941 0.44762161 -5.330627119 stable

RIN3 0.271160459 6.094678098 1.846078261 0.072545112 0.44762161 -5.330698821 stable

AXIN2 0.091222771 2.309754297 1.845850224 0.07257897 0.447681852 -5.33109211 stable

PEX11G -0.169297182 4.51972088 -1.845531689 0.072626286 0.447681852 -5.331641408 stable

HSPA1L 0.168329246 8.711370083 1.845451096 0.072638262 0.447681852 -5.331780375 stable

RBM19 0.185368959 6.580751138 1.845353243 0.072652805 0.447681852 -5.331949096 stable

FAM120A 0.129470843 5.036955215 1.845207686 0.072674442 0.447681852 -5.332200056 stable

PLOD1 0.23756576 9.034513917 1.845124221 0.072686852 0.447681852 -5.332343954 stable

WASIR1 /// WASIR1 /// WASIR2 /// WASIR2 -0.154955359 2.841448003 -1.845043624 0.072698837 0.447681852 -5.332482901 stable

DNAJC12 0.005281948 2.767628282 1.84494116 0.072714076 0.447681852 -5.33265954 stable

EPN1 -0.142613978 7.230002703 -1.844739925 0.072744012 0.447681852 -5.333006425 stable

LOC728099 -0.024896248 3.252724572 -1.844706922 0.072748923 0.447681852 -5.333063314 stable

SHB 0.054036469 3.170282863 1.844603985 0.072764241 0.447681852 -5.33324074 stable

SLU7 0.127134378 10.37573345 1.844460852 0.072785546 0.447695822 -5.333487436 stable

SLC25A33 -0.119396116 8.090462022 -1.843837797 0.072878346 0.448081069 -5.334561116 stable

ZNF770 0.114907746 10.72588481 1.843784565 0.072886279 0.448081069 -5.334652834 stable

CCDC92 -0.181994508 11.29939987 -1.843437806 0.072937975 0.448281711 -5.33525024 stable

CNNM3 0.133557425 9.446285442 1.843181622 0.072976188 0.448313661 -5.33569154 stable

LYPD6B -0.05729309 2.432202916 -1.8431474 0.072981294 0.448313661 -5.335750487 stable

HSD17B14 -0.018713166 2.114624846 -1.842806687 0.073032144 0.448324686 -5.336337308 stable

LOC102723927 -0.166128342 2.359269715 -1.84273027 0.073043553 0.448324686 -5.336468911 stable

SLC4A1AP 0.084235631 9.703186622 1.842723997 0.07304449 0.448324686 -5.336479715 stable

GTPBP4 -0.153549337 6.818881205 -1.842582478 0.073065623 0.448324686 -5.336723421 stable

CBFB 0.059257274 12.298961 1.842383685 0.073095318 0.448324686 -5.337065731 stable

AK026714 /// PELI1 -0.392336126 10.90311998 -1.842362737 0.073098448 0.448324686 -5.337101801 stable

SUGT1P1 0.017039159 2.724810644 1.842241838 0.073116513 0.448324686 -5.337309966 stable

FMR1 0.073378578 10.3979376 1.841684206 0.073199885 0.448568284 -5.338269952 stable

LGI4 -0.030075137 4.179837132 -1.841610861 0.073210857 0.448568284 -5.3383962 stable

GPR25 0.139624857 3.981881031 1.841593502 0.073213454 0.448568284 -5.338426079 stable

CLC -0.527516268 11.16085601 -1.840919309 0.073314376 0.449069648 -5.339586355 stable

LRMP -0.090005193 11.49625757 -1.84030849 0.073405915 0.449384614 -5.34063726 stable

TNNI3K 0.127907383 3.729610698 1.840266094 0.073412272 0.449384614 -5.34071019 stable

EFTUD2 0.034699345 2.691398944 1.840113338 0.073435181 0.449384614 -5.340972953 stable

ARL6IP5 0.047381457 13.69249721 1.840032385 0.073447324 0.449384614 -5.341112197 stable

PCIF1 0.095427904 8.881284706 1.839816479 0.073479719 0.449384614 -5.341483544 stable

SHANK2-AS3 -0.017025418 3.60767663 -1.83981173 0.073480431 0.449384614 -5.341491711 stable

STIP1 0.153201323 9.634779924 1.839599058 0.073512353 0.449461918 -5.341857458 stable

FOXN3-AS1 -0.028801066 3.069383721 -1.839472935 0.073531289 0.449461918 -5.342074345 stable

NME5 0.003641654 2.513199556 1.839085298 0.073589516 0.449562708 -5.342740862 stable

MTAP 0.115088988 4.833268215 1.838991193 0.073603657 0.449562708 -5.342902653 stable

KLHDC8B -0.252784044 7.762613632 -1.838932096 0.073612539 0.449562708 -5.343004251 stable

CHRNB3 0.002761417 2.185871085 1.838854307 0.073624232 0.449562708 -5.343137981 stable

ZNF35 0.227297599 5.866467136 1.838670526 0.073651862 0.449604931 -5.343453907 stable

PEAR1 -0.407187118 7.328702116 -1.838549724 0.073670028 0.449604931 -5.343661555 stable

BTG2 0.274452362 10.1645252 1.838426976 0.073688492 0.449604931 -5.343872537 stable

C14orf166 -0.05332661 12.62974422 -1.838257661 0.073713966 0.44964372 -5.344163539 stable

TBC1D8B -0.324614231 3.459557641 -1.83798809 0.073754539 0.449710341 -5.344626806 stable

SLC39A3 -0.103534013 8.974125837 -1.837741104 0.07379173 0.449710341 -5.345051209 stable

KRR1 0.081235159 9.852777139 1.837693223 0.073798941 0.449710341 -5.345133479 stable

KCTD21 0.2847022 7.226219028 1.837677129 0.073801365 0.449710341 -5.345161132 stable

LINC01138 0.177864694 8.948892467 1.837471884 0.073832286 0.449782234 -5.345513763 stable

ZNF160 0.195427526 7.580492158 1.837024559 0.073899716 0.45007644 -5.3462822 stable

MYCBP2 -0.102403545 11.15598665 -1.836845143 0.073926775 0.450096087 -5.346590365 stable

ACTL9 0.004492942 2.433921929 1.836749436 0.073941213 0.450096087 -5.346754741 stable

GCN1L1 -0.111933527 9.598787798 -1.836595721 0.073964407 0.450120783 -5.347018731 stable

ATF1 0.127446787 9.240716419 1.836208863 0.074022807 0.45034997 -5.347683037 stable

CHMP4C 0.007545477 2.76652637 1.836092633 0.074040361 0.45034997 -5.347882603 stable

TEAD3 0.058677754 3.438160339 1.835842483 0.074078152 0.450441128 -5.348312071 stable

TTC33 0.125595821 8.821170673 1.835679512 0.074102782 0.450441128 -5.34859184 stable

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ATXN7L1 -0.021989313 2.673564502 -1.835444412 0.074138324 0.450479856 -5.348995395 stable

DIP2A 0.325290466 8.278175383 1.835034405 0.074200344 0.450740259 -5.349699078 stable

ABCD3 0.131281799 8.526845057 1.834720431 0.074247867 0.450802595 -5.350237855 stable

CINP 0.288644975 4.25547258 1.834448504 0.074289046 0.450802595 -5.350704416 stable

LINC00463 -0.059185233 3.428724067 -1.834371495 0.074300712 0.450802595 -5.350836535 stable

MYO15A 0.045907645 2.960359249 1.83429197 0.07431276 0.450802595 -5.350972965 stable

C19orf45 -0.00753425 2.682039085 -1.834232402 0.074321786 0.450802595 -5.351075153 stable

CA10 0.008757549 2.732472331 1.834202502 0.074326316 0.450802595 -5.351126446 stable

PKIB 0.114327572 3.315459998 1.834080758 0.074344767 0.450802595 -5.351335287 stable

SEC24B 0.082918363 11.21775628 1.833551497 0.074425023 0.451064038 -5.352243053 stable

C11orf31 -0.114399013 6.866776904 -1.833543492 0.074426237 0.451064038 -5.352256781 stable

GDF5 -0.05198029 3.001743737 -1.833116907 0.074490978 0.4512117 -5.352988278 stable

PRRC1 0.124768173 8.659262886 1.832719378 0.074551352 0.4512117 -5.353669823 stable

GALNS -0.095904152 9.349301405 -1.832715267 0.074551977 0.4512117 -5.353676871 stable

PTPRM 0.274856305 5.381123816 1.832683763 0.074556763 0.4512117 -5.353730877 stable

RP11-305O4.3 0.017683549 3.18575591 1.832364227 0.074605326 0.4512117 -5.354278608 stable

ZNF813 0.084287194 6.964966892 1.832294729 0.074615891 0.4512117 -5.354397727 stable

C22orf39 -0.110932822 9.43522524 -1.831917591 0.074673249 0.4512117 -5.355044072 stable

ACTL6A 0.096656375 9.841154622 1.831873231 0.074679998 0.4512117 -5.35512009 stable

BC062753 0.113188159 9.251090446 1.83185516 0.074682747 0.4512117 -5.355151055 stable

PTGS2 1.120905619 6.664545797 1.831794375 0.074691997 0.4512117 -5.355255217 stable

CRLF2 -0.021344643 2.641703284 -1.831419426 0.074749071 0.4512117 -5.355897664 stable

SIGMAR1 -0.10047931 8.099361522 -1.831357331 0.074758526 0.4512117 -5.356004048 stable

EID3 0.233709019 7.146865851 1.831310302 0.074765688 0.4512117 -5.356084618 stable

CHRNB2 -0.150540753 8.56762468 -1.831302837 0.074766825 0.4512117 -5.356097407 stable

ZC3HAV1 -0.145137833 12.16323573 -1.831041087 0.074806698 0.4512117 -5.356545807 stable

APCDD1L -0.015287539 3.398268301 -1.831038965 0.074807022 0.4512117 -5.356549441 stable

OXER1 0.077821764 4.712352719 1.830990425 0.074814418 0.4512117 -5.356632589 stable

SNORD116-17 /// SNORD116-19 /// SNORD116-20 /// SNORD116-21 /// SNORD116@ -0.089419019 3.601205608 -1.830922958 0.074824699 0.4512117 -5.356748153 stable

PTS -0.087387934 8.872146683 -1.830875383 0.07483195 0.4512117 -5.356829644 stable

LINC00599 /// MIR124-1 -0.037771459 2.269913368 -1.830655608 0.074865452 0.4512117 -5.357206066 stable

LOC101928068 -0.154163994 3.480094486 -1.830639188 0.074867956 0.4512117 -5.357234187 stable

LOC101927257 0.050458839 2.743711461 1.830608497 0.074872636 0.4512117 -5.357286751 stable

REG1A 0.027526099 2.665266772 1.830318322 0.074916893 0.451362766 -5.357783682 stable

LOC101060747 /// PDPK1 -0.133964488 9.314193318 -1.830165404 0.074940225 0.451387716 -5.358045532 stable

PRKCSH -0.087944317 11.00028851 -1.830014637 0.074963235 0.451410712 -5.35830368 stable

UBE2R2 -0.084543369 11.73091127 -1.829714121 0.075009117 0.451571393 -5.358818181 stable

NOL6 -0.0797873 8.625851528 -1.829388474 0.075058863 0.451678131 -5.359375626 stable

RPS6KL1 -0.080805435 2.552283048 -1.829245041 0.075080782 0.451678131 -5.35962113 stable

AC083843.1 0.067223421 2.80080005 1.829221004 0.075084456 0.451678131 -5.359662271 stable

COL9A2 -0.308338141 5.082701111 -1.828772948 0.075152967 0.451888866 -5.360429062 stable

AEN -0.108896599 7.261216756 -1.828740621 0.075157912 0.451888866 -5.36048438 stable

CD38 0.433256745 8.490688558 1.828521972 0.075191366 0.451974474 -5.360858508 stable

CYBA 0.111567932 13.81876841 1.828293339 0.075226361 0.452069297 -5.361249677 stable

ICE1 0.070169229 10.73661068 1.828022147 0.075267888 0.452203319 -5.361713611 stable

C5orf42 0.11724407 3.967826709 1.82768653 0.075319307 0.452319391 -5.362287676 stable

ARL16 -0.150274856 8.991978452 -1.827586213 0.075334682 0.452319391 -5.362459249 stable

FXYD3 -0.128257471 3.201147066 -1.827372158 0.075367499 0.452319391 -5.362825321 stable

FHDC1 0.098002761 2.486903861 1.82715574 0.075400689 0.452319391 -5.363195398 stable

PTPRA 0.100384554 9.377884112 1.827118444 0.075406411 0.452319391 -5.363259172 stable

GSPT2 0.216448095 8.846941185 1.826819369 0.075452301 0.452319391 -5.363770524 stable

RP11-135A1.2 -0.052555454 2.939228283 -1.826599225 0.075486096 0.452319391 -5.364146878 stable

RAB11FIP1 0.16166385 10.77965332 1.826599123 0.075486112 0.452319391 -5.364147051 stable

ZBTB43 0.193367766 5.74690912 1.826481391 0.07550419 0.452319391 -5.364348309 stable

MAGED4 /// MAGED4B /// SNORA11D /// SNORA11E -0.333391968 3.298086337 -1.826418577 0.075513837 0.452319391 -5.36445568 stable

MBP 0.309469256 10.48790678 1.826389445 0.075518312 0.452319391 -5.364505477 stable

CLGN 0.012232037 3.090289344 1.826375558 0.075520445 0.452319391 -5.364529214 stable

GPR160 -0.191318264 10.12657801 -1.826266459 0.075537204 0.452319391 -5.364715694 stable

SLC2A14 /// SLC2A3 0.180487165 10.23104265 1.825903818 0.075592933 0.452331301 -5.365335479 stable

REEP2 -0.07396391 3.598881277 -1.825886552 0.075595587 0.452331301 -5.365364985 stable

FAM102B 0.113183235 9.267515751 1.825861337 0.075599464 0.452331301 -5.365408076 stable

PDE5A -0.345202886 7.338026068 -1.825614455 0.075637427 0.452331301 -5.365829952 stable

ARL14 0.008679513 2.881584644 1.82541561 0.075668015 0.452331301 -5.366169706 stable

RP3-507I15.1 -0.068344216 11.72812101 -1.825389351 0.075672055 0.452331301 -5.36621457 stable

CREB3L3 0.013702663 2.975330488 1.825377947 0.075673809 0.452331301 -5.366234055 stable

FAM65B -0.133274423 12.30057466 -1.824867464 0.075752389 0.45268596 -5.367106128 stable

PKDCC -0.020127292 2.281742744 -1.824714104 0.075776009 0.452699059 -5.367368078 stable

RP11-533E19.7 -0.133868093 4.561737714 -1.824520182 0.075805886 0.452699059 -5.367699283 stable

HMGN2 -0.045780207 13.98428562 -1.824478427 0.075812321 0.452699059 -5.367770594 stable

NNMT 0.025711125 2.715355938 1.824116664 0.075868087 0.452917073 -5.36838837 stable

SOCS6 0.128903511 3.928403447 1.823719808 0.075929302 0.453167501 -5.369065955 stable

ZNF30 0.224952829 7.559595032 1.823571064 0.075952257 0.453189508 -5.369319886 stable

CEP70 0.009007746 2.989139812 1.823429998 0.075974033 0.453204469 -5.369560694 stable

ARHGEF26 -0.01670952 3.43707835 -1.823201716 0.076009282 0.453296845 -5.369950351 stable

PIM3 -0.150532346 10.71084843 -1.823039069 0.076034405 0.453296845 -5.370227949 stable

TADA2A 0.14718446 5.675793921 1.822955383 0.076047334 0.453296845 -5.370370772 stable

AX747730 0.241051199 5.513371263 1.822782708 0.076074018 0.453341013 -5.370665453 stable

MYZAP -0.542511963 7.237975571 -1.822303667 0.076148086 0.45366746 -5.37148284 stable

CKAP2 /// IGLC1 /// IGLJ2 /// IGLJ2 /// IGLJ3 /// IGLJ3 /// IGLJ3 /// IGLV1-44 /// IGLV2-14 /// IGLV@ -0.389825068 10.69414921 -1.822128488 0.076175187 0.453713997 -5.371781703 stable

SNRPA1 -0.141567183 10.80120774 -1.821687429 0.076243457 0.453848286 -5.372534062 stable

LINC00290 0.032201156 3.31186126 1.821626021 0.076252966 0.453848286 -5.3726388 stable

C1orf177 0.096688689 2.531606156 1.821608889 0.07625562 0.453848286 -5.37266802 stable

GALNT11 0.107575157 10.05362142 1.821467879 0.07627746 0.45385277 -5.372908514 stable

LOC728353 -0.028583653 2.83871972 -1.821354889 0.076294964 0.45385277 -5.373101209 stable

EFNA1 0.286162214 2.837791293 1.820890357 0.076366965 0.454067964 -5.373893321 stable

ZNF19 0.18569008 3.438479355 1.820872401 0.076369749 0.454067964 -5.373923935 stable

TRAK2 -0.130034239 9.977359157 -1.820438929 0.07643699 0.454141681 -5.374662925 stable

USB1 0.139871559 9.537121051 1.820390573 0.076444494 0.454141681 -5.374745354 stable

MIR4296 0.10806356 3.073857027 1.820333834 0.0764533 0.454141681 -5.374842071 stable

TXNDC11 -0.130748016 9.37068899 -1.820294664 0.076459379 0.454141681 -5.374908838 stable

C5orf34 0.160892051 4.181714644 1.81997268 0.07650937 0.454323883 -5.375457629 stable

JAG1 -0.027448687 3.653172791 -1.819175456 0.076633266 0.454778871 -5.37681607 stable

CRAT -0.124999212 7.218592943 -1.819119895 0.076641908 0.454778871 -5.376910726 stable

RAB10 0.102484128 12.43005926 1.818979381 0.076663764 0.454778871 -5.377150098 stable

CTNNBIP1 -0.126789298 8.459880411 -1.818919573 0.076673069 0.454778871 -5.37725198 stable

RP11-255A11.4 0.032519518 2.970734674 1.818857889 0.076682667 0.454778871 -5.377357053 stable

ACSL5 0.060354783 9.981427175 1.818414621 0.076751666 0.455073339 -5.37811204 stable

BC036261 /// GS1-18A18.2 -0.008289403 2.959521272 -1.817701578 0.076862769 0.455489255 -5.379326187 stable

TWISTNB 0.140802752 5.441459044 1.817509475 0.076892724 0.455489255 -5.379653226 stable

DLEC1 0.093477015 3.110688623 1.817479455 0.076897406 0.455489255 -5.37970433 stable

EVX1 -0.04687663 4.96571251 -1.817467479 0.076899274 0.455489255 -5.379724716 stable

DGCR5 -0.009145404 2.528149762 -1.817308412 0.076924088 0.455521518 -5.379995487 stable

NSUN5P1 -0.195479673 10.75580284 -1.817159928 0.076947257 0.455544029 -5.380248225 stable

ARHGAP10 -0.101021008 6.296112795 -1.816934536 0.076982437 0.455545837 -5.380631836 stable

HIST1H2BG /// HIST1H2BJ -0.440915832 8.344303569 -1.81690981 0.076986297 0.455545837 -5.380673918 stable

KCNJ2 0.856898553 5.363888802 1.816675738 0.077022849 0.455647491 -5.381072255 stable

RP11-334J6.6 -0.089096864 3.117005299 -1.816373634 0.077070045 0.455718625 -5.381586303 stable

LOC401913 -0.067678647 3.453432655 -1.816148145 0.077105288 0.455718625 -5.381969939 stable

KCNAB2 0.15027075 11.04044879 1.815967466 0.077133538 0.455718625 -5.382277309 stable

ARFGEF2 0.015783632 2.021558756 1.815928798 0.077139585 0.455718625 -5.382343088 stable

RBM33 0.170382328 5.416840733 1.81585872 0.077150544 0.455718625 -5.382462295 stable

ENOX1 0.009695663 2.663006435 1.815855021 0.077151123 0.455718625 -5.382468588 stable

SRPX 0.027982984 2.640858982 1.815709314 0.077173915 0.455738805 -5.382716431 stable

IFITM3 0.163050935 13.26106844 1.815253671 0.077245226 0.456045422 -5.383491361 stable

RRBP1 0.136901631 7.664998976 1.81510495 0.077268514 0.456065274 -5.383744261 stable

DUSP5 0.278788926 9.402771177 1.814865489 0.077306023 0.456065274 -5.38415143 stable

ARHGEF18 -0.106948799 12.50590111 -1.814860799 0.077306758 0.456065274 -5.384159404 stable

DTNA 0.003234824 2.437471023 1.814591155 0.077349013 0.456200135 -5.384617838 stable

NUDC -0.071395149 9.782471417 -1.814185442 0.077412629 0.456301187 -5.385307499 stable

LINC01118 -0.061915087 2.955616466 -1.814098084 0.077426332 0.456301187 -5.38545598 stable

FIG4 -0.127485022 9.852427234 -1.813998079 0.077442022 0.456301187 -5.385625949 stable

MAPKAPK5-AS1 -0.120254803 9.844409371 -1.81387393 0.077461504 0.456301187 -5.385836944 stable

ZIC5 0.007962469 2.751938296 1.813863471 0.077463145 0.456301187 -5.385854718 stable

C21orf91-OT1 0.147947898 5.018179806 1.813724022 0.077485033 0.45631584 -5.386091699 stable

IGHA1 /// IGHG1 /// IGHG3 /// IGHM /// IGHV4-31 /// LOC100293211 -0.241323539 5.14663621 -1.813240035 0.07756104 0.456649118 -5.386914072 stable

WDR59 -0.111613352 10.06955284 -1.813078916 0.077586357 0.456683859 -5.387187799 stable

FAM192A -0.083281227 9.251082138 -1.812901956 0.077614171 0.456733278 -5.387488415 stable

ABCG1 0.219032948 8.574294048 1.812668348 0.077650901 0.456792029 -5.387885224 stable

ACSF2 -0.120068711 7.557953688 -1.812591446 0.077662996 0.456792029 -5.388015841 stable

LYPLA1 -0.061011897 11.55533783 -1.812389878 0.077694705 0.456864286 -5.38835818 stable

SLITRK2 -0.023576498 2.915096892 -1.811971117 0.077760615 0.45707474 -5.389069294 stable

RAMP3 -0.05967784 1.8298546 -1.811813542 0.077785429 0.45707474 -5.389336841 stable

SNRNP70 -0.138580174 11.21115513 -1.811765657 0.077792971 0.45707474 -5.389418142 stable

CLPP -0.085995818 8.974143652 -1.811352586 0.077858055 0.45707474 -5.390119391 stable

TYK2 -0.093863498 10.66807669 -1.811349325 0.077858569 0.45707474 -5.390124925 stable

PCDHGB6 0.016541918 2.75133419 1.811316723 0.077863708 0.45707474 -5.390180266 stable

LOC100506999 0.014939076 3.495381162 1.81124517 0.077874987 0.45707474 -5.390301723 stable

CNPPD1 -0.070741678 10.40315136 -1.810794259 0.077946099 0.45707474 -5.391067018 stable

BOLA2 /// LOC101060386 /// LOC101060596 /// LOC101060604 /// LOC102723773 /// LOC613037 /// NPIPA5 /// NPIPB4 /// NPIPB5 /// SLC7A5P1 /// SMG1 /// SMG1P1 /// SMG1P2 /// SMG1P3 /// SMG1P5 /// SMG1P7 0.197561297 8.758201471 1.810777645 0.077948721 0.45707474 -5.391095213 stable

C14orf142 0.149583336 9.112905091 1.810727863 0.077956575 0.45707474 -5.391179692 stable

ARPC5 0.09548028 13.23128474 1.810621606 0.077973343 0.45707474 -5.391360006 stable

YIPF4 0.109875954 6.808343764 1.810450247 0.07800039 0.45707474 -5.391650774 stable

INTS2 0.150315342 7.652422841 1.810428998 0.078003744 0.45707474 -5.391686828 stable

SERINC1 0.106874905 13.02331976 1.81023713 0.078034039 0.45707474 -5.392012367 stable

PIAS1 -0.073365233 11.12906806 -1.810213215 0.078037815 0.45707474 -5.392052941 stable

CSF3 -0.012794704 3.414240754 -1.810190414 0.078041416 0.45707474 -5.392091625 stable

ERMARD -0.093100547 9.229446706 -1.809856449 0.078094175 0.45726104 -5.392658174 stable

NBPF1 -0.103155465 12.2758149 -1.809742823 0.078112132 0.45726104 -5.392850912 stable

LOC100652770 0.012232731 2.314023602 1.809619998 0.078131547 0.45726104 -5.393059244 stable

POLH 0.006412759 1.854345136 1.809168508 0.078202949 0.457425488 -5.393824943 stable

MICA 0.150478416 7.899627088 1.809143719 0.078206871 0.457425488 -5.393866977 stable

ZNF462 -0.093688171 2.837145344 -1.808730978 0.078272196 0.457425488 -5.394566812 stable

C10orf113 0.020600754 3.031413013 1.808586216 0.078295118 0.457425488 -5.394812235 stable

IFT122 /// LOC101927266 -0.140616556 6.886778572 -1.808531929 0.078303716 0.457425488 -5.394904266 stable

RASGRF1 -0.057908497 3.0468738 -1.808509313 0.078307298 0.457425488 -5.394942607 stable

EXOSC2 -0.141674676 7.946124554 -1.808353683 0.078331951 0.457425488 -5.395206427 stable

XPO4 0.117525859 7.021879418 1.808170303 0.078361008 0.457425488 -5.395517263 stable

GCK 0.009720781 2.240156991 1.808117309 0.078369407 0.457425488 -5.395607086 stable

LINC00868 -0.06813093 2.840798344 -1.807956739 0.078394859 0.457425488 -5.39587923 stable

LINC00857 -0.015690469 2.836247154 -1.807924444 0.07839998 0.457425488 -5.395933963 stable

ZNF316 -0.107089975 7.986549755 -1.807837945 0.078413694 0.457425488 -5.396080556 stable

OR5K1 0.006578522 2.549979659 1.807820374 0.078416481 0.457425488 -5.396110334 stable

IGH /// IGHA1 /// IGHD /// IGHG1 /// IGHG3 /// IGHM /// IGHV3-23 /// IGHV4-31 -0.397116299 10.26697192 -1.807723072 0.078431912 0.457425488 -5.396275228 stable

AP1S3 0.018805317 3.282905657 1.807527789 0.078462889 0.457492713 -5.396606143 stable

HIST1H3E 0.013497594 1.950673698 1.807286349 0.078501202 0.457602668 -5.397015231 stable

B4GALT7 -0.108376155 7.461145424 -1.806817824 0.078575595 0.45783059 -5.397808953 stable

PVRL3 0.02604899 2.676447225 1.806794934 0.078579231 0.45783059 -5.397847726 stable

CTAGE15 /// CTAGE4 /// CTAGE8 /// CTAGE9 -0.125862995 7.860519913 -1.806066123 0.078695076 0.45819506 -5.399082036 stable

FAM99B -0.049510232 3.420076257 -1.806042296 0.078698866 0.45819506 -5.399122382 stable

UBR7 0.082683462 9.504215081 1.805923999 0.078717683 0.45819506 -5.399322688 stable

ELFN2 0.004605017 2.324464211 1.805793842 0.078738392 0.45819506 -5.399543063 stable

UVRAG -0.080253513 10.29975701 -1.805788843 0.078739188 0.45819506 -5.399551527 stable

ANKRD20A1 /// ANKRD20A2 /// ANKRD20A3 /// ANKRD20A4 0.036564986 3.235869293 1.805595792 0.078769912 0.458260475 -5.399878364 stable

RP4-758J24.5 -0.097270735 4.944486236 -1.805423086 0.078797407 0.458307074 -5.400170732 stable

RP5-1074L1.4 -0.235478228 7.585753484 -1.805002829 0.078864346 0.458583013 -5.400882074 stable

RP11-250B2.3 0.006684407 3.087234436 1.803644646 0.079081009 0.459559731 -5.403180024 stable

SLC24A1 0.159865026 5.090091168 1.803537903 0.079098058 0.459559731 -5.403360564 stable

SPATA9 0.01777027 2.622369927 1.803464667 0.079109757 0.459559731 -5.403484427 stable

ZBTB18 0.137569885 8.93747597 1.803460208 0.079110469 0.459559731 -5.403491967 stable

CPNE4 -0.037225152 2.840019099 -1.803312163 0.079134124 0.459583637 -5.40374234 stable

HBQ1 -0.079294067 2.141927709 -1.802960856 0.079190279 0.459796239 -5.404336396 stable

MTFR1 0.155114686 7.360790797 1.802672841 0.079236343 0.459950154 -5.404823355 stable

UBE2Q2L 0.053548884 6.141402414 1.802396539 0.079280554 0.459993487 -5.405290447 stable

SLC25A15 0.194156513 7.713413871 1.802381749 0.079282922 0.459993487 -5.405315448 stable

MDFI -0.036944551 3.821144688 -1.801632308 0.079402949 0.460576266 -5.406582077 stable

BMS1P20 -0.442517007 8.592965168 -1.801292205 0.079457469 0.460778876 -5.407156737 stable

STON1 -0.216648154 3.63593903 -1.800574224 0.079572668 0.461333183 -5.408369584 stable

SMIM10 0.010688716 2.988487916 1.800255519 0.079623849 0.46143394 -5.408907825 stable

BC043266 /// RP4-568F9.6 -0.01174214 3.447409507 -1.800221693 0.079629283 0.46143394 -5.408964947 stable

LOC652993 -0.02741334 2.490547694 -1.799814636 0.079694697 0.461656366 -5.409652273 stable

SRSF7 0.136170993 9.715815389 1.79966941 0.079718045 0.461656366 -5.409897457 stable

CNIH3 0.010396085 2.907482588 1.799616528 0.079726549 0.461656366 -5.409986735 stable

CC2D1B 0.129977845 8.717565403 1.799295743 0.079778148 0.461841453 -5.410528244 stable

PTTG3P -0.093025476 3.445330414 -1.798730482 0.079869141 0.462254446 -5.411482251 stable

RBM48 0.131641801 4.065489174 1.798458789 0.079912908 0.462393975 -5.411940704 stable

HTRA2 -0.085535347 8.933577645 -1.796888002 0.080166342 0.463746321 -5.414590098 stable

DHX33 -0.090323663 8.907402249 -1.796600748 0.080212762 0.463757269 -5.415074388 stable

MED29 -0.079261035 9.78863776 -1.796437421 0.080239165 0.463757269 -5.415349717 stable

SPATA33 0.130582481 3.31024101 1.796404333 0.080244515 0.463757269 -5.415405493 stable

KCNK12 0.004493463 2.379149929 1.796081703 0.080296696 0.463757269 -5.415949296 stable

RNF170 0.059013076 2.746317343 1.795995151 0.080310699 0.463757269 -5.416095167 stable

AGER -0.16532956 7.468246555 -1.795947133 0.080318469 0.463757269 -5.416176093 stable

C7orf55-LUC7L2 /// LUC7L2 0.074509784 8.896014645 1.795941072 0.08031945 0.463757269 -5.416186308 stable

LINC00304 0.023909642 2.310769717 1.795786239 0.080344508 0.463757269 -5.416447237 stable

MIR6845 /// NRBP2 -0.157496695 8.651801173 -1.795614354 0.080372334 0.463757269 -5.416736881 stable

DBH 0.022600024 2.576647289 1.795561957 0.080380818 0.463757269 -5.416825172 stable

RPL6 0.031939476 15.39471658 1.795535392 0.080385119 0.463757269 -5.416869932 stable

SLC46A3 -0.039805761 9.167433367 -1.795039271 0.08046549 0.464107109 -5.417705785 stable

LOC101929460 0.028697631 3.492412767 1.794828633 0.080499634 0.464190214 -5.418060603 stable

BRPF1 0.089723662 9.041911254 1.79405682 0.080624846 0.464798284 -5.419360418 stable

LINC00882 0.005550978 2.59461754 1.79361134 0.080697191 0.465083782 -5.420110438 stable

PAIP2 -0.055441276 2.349699645 -1.793302947 0.080747306 0.465083782 -5.420629563 stable

EPHX4 0.054753038 2.946463682 1.793288252 0.080749695 0.465083782 -5.420654298 stable

AP3B2 -0.006919471 3.165330836 -1.79326508 0.080753461 0.465083782 -5.4206933 stable

UBE2T 0.204174685 6.182099124 1.792944665 0.080805561 0.465269915 -5.421232574 stable

RP11-573N10.1 0.004214842 2.409208539 1.792752336 0.080836847 0.465336145 -5.421556232 stable

TMOD2 0.183970347 3.696701808 1.792416151 0.08089156 0.46553716 -5.422121908 stable

IRF9 0.101400317 11.95404804 1.79213979 0.080936559 0.465682194 -5.422586855 stable

MOBP -0.004065941 2.352351172 -1.791881237 0.080978678 0.465810587 -5.423021786 stable

TMA16 0.062386086 3.804611806 1.791730713 0.081003207 0.465837761 -5.423274969 stable

HAUS6 0.134106481 6.624520052 1.791460452 0.081047265 0.46588827 -5.423729508 stable

CCDC77 0.109182717 6.698217079 1.79140518 0.081056277 0.46588827 -5.423822459 stable

NOX1 0.007073209 2.553454986 1.791222921 0.081086003 0.46588827 -5.42412895 stable

ACTR1A 0.15458793 9.935440914 1.791090241 0.081107648 0.46588827 -5.424352052 stable

GSAP 0.136682934 11.81977498 1.791069534 0.081111027 0.46588827 -5.424386869 stable

AC016999.2 -0.006949843 2.700750343 -1.790140044 0.081262805 0.466646103 -5.425949398 stable

HN1 0.131645412 10.40217673 1.78961848 0.081348077 0.467021752 -5.426825878 stable

SENP8 0.009465791 2.785539597 1.789258887 0.081406912 0.46724548 -5.427430044 stable

AC068039.4 -0.115934985 3.848764905 -1.789013034 0.081447158 0.467362429 -5.42784305 stable

MRPS21 -0.071574571 10.81929426 -1.788732441 0.081493111 0.467512065 -5.428314358 stable

RP3-508I15.21 -0.112050182 6.196996415 -1.788495834 0.081531878 0.467620408 -5.428711734 stable

LRRN1 0.128983996 3.401030482 1.788161922 0.081586614 0.467820268 -5.429272458 stable

BMPR2 0.146142507 7.127853389 1.788029261 0.081608368 0.467830961 -5.429495205 stable

ETFDH 0.167165726 6.852382029 1.787689446 0.081664116 0.467865148 -5.430065714 stable

MGAM 0.633741492 5.921337638 1.787642143 0.081671879 0.467865148 -5.430145122 stable

SLC35A5 0.192408436 9.465251398 1.787629182 0.081674006 0.467865148 -5.430166879 stable

FLJ38717 -0.230126265 8.118161779 -1.786965071 0.08178306 0.468195134 -5.431281546 stable

ANKH -0.025236933 2.6548291 -1.786965008 0.08178307 0.468195134 -5.431281652 stable

FASTK -0.048811012 8.825799034 -1.786914755 0.081791327 0.468195134 -5.431365984 stable

DGCR6 /// DGCR6L 0.110441342 9.459542306 1.786445215 0.081868511 0.468522929 -5.432153845 stable

MEG3 0.005903515 2.932353016 1.785698009 0.081991464 0.469112437 -5.433407253 stable

LOC101927933 /// LRRC8C 0.247651641 8.757647334 1.785571463 0.082012303 0.469117552 -5.433619485 stable

SCPEP1 -0.174027212 5.279845137 -1.785421206 0.082037052 0.469145027 -5.433871467 stable

TRIM59 0.156648463 8.29344741 1.785044409 0.082099142 0.469385981 -5.434503278 stable

ZHX1 0.117150605 8.415458771 1.784866714 0.082128437 0.469439362 -5.434801197 stable

DNAJB5 0.00458446 2.506662056 1.784719654 0.082152689 0.469463894 -5.435047734 stable

ETFA -0.091149917 11.84685468 -1.783737077 0.082314878 0.470276472 -5.436694528 stable

NHLH1 -0.03119941 2.6628126 -1.783407567 0.082369328 0.470473282 -5.437246612 stable

CGB1 /// LHB -0.055292512 3.933147581 -1.783221749 0.082400048 0.470474146 -5.437557906 stable

CDKN2AIP 0.127395354 10.01891508 1.783164681 0.082409484 0.470474146 -5.437653506 stable

AX747826 -0.627498116 7.893514583 -1.782754963 0.08247726 0.470746815 -5.438339778 stable

GYPE 0.011094627 2.983205251 1.782542088 0.082512492 0.470833653 -5.438696287 stable

NEK2 0.08514685 3.243610144 1.782160408 0.082575694 0.471080014 -5.439335412 stable

UGT8 -0.204935445 3.500158268 -1.782013419 0.082600045 0.471104668 -5.439581514 stable

NID2 -0.063501129 2.783304523 -1.78166533 0.082657734 0.471319412 -5.440164248 stable

IGLV1-44 -0.274237543 12.89294705 -1.780962676 0.082774291 0.471752529 -5.441340263 stable

RP11-524D16\_\_A.3 0.004844849 2.662830437 1.780949187 0.08277653 0.471752529 -5.441362836 stable

LOC100506446 -0.043597638 2.554959987 -1.780752307 0.082809214 0.471752529 -5.441692276 stable

ATRAID -0.073696055 11.16435192 -1.780723967 0.082813919 0.471752529 -5.441739695 stable

C1QBP -0.076650582 11.91450811 -1.780179484 0.08290437 0.472003608 -5.44265061 stable

ATP5J -0.0611278 12.4474233 -1.780059738 0.082924273 0.472003608 -5.442850912 stable

LOC101928100 0.028647881 3.532252578 1.780040354 0.082927495 0.472003608 -5.442883335 stable

SOCS2 0.185914024 7.710956821 1.779975577 0.082938264 0.472003608 -5.442991683 stable

TULP3 0.212298747 6.97399674 1.779658468 0.082990999 0.472189476 -5.443522043 stable

EDEM3 0.089323262 9.23105459 1.779430317 0.083028958 0.472291203 -5.443903573 stable

DQ570096 0.224455299 7.146261255 1.779211607 0.08306536 0.472384026 -5.444269275 stable

CORO1A 0.060122877 13.86525462 1.779006993 0.083099428 0.472463535 -5.444611374 stable

CD81 0.107354503 12.39857904 1.778881994 0.083120246 0.47246769 -5.444820346 stable

BGN -0.058705141 3.898903681 -1.77859008 0.08316888 0.472629915 -5.445308316 stable

CKAP2 /// IGLC1 /// IGLV1-40 /// IGLV1-40 /// IGLV1-50 /// IGLV1-50 -0.349548057 4.305692048 -1.77846004 0.083190552 0.472638885 -5.445525672 stable

CRYBB3 -0.078274698 2.371195296 -1.778309434 0.083215659 0.472667353 -5.445777386 stable

CD53 0.039723641 14.09107675 1.778126348 0.083246188 0.472702881 -5.446083363 stable

PHB2 -0.076774406 13.07284749 -1.7780309 0.083262108 0.472702881 -5.446242865 stable

SARS 0.083392531 11.00714488 1.777727249 0.08331277 0.472876367 -5.446750248 stable

PDZD11 0.13743537 9.022519692 1.777516861 0.083347887 0.472885829 -5.447101751 stable

DNAJB7 0.019332221 3.102321058 1.777340134 0.083377396 0.472885829 -5.447396988 stable

UCN -0.070136877 2.604908657 -1.777301702 0.083383814 0.472885829 -5.447461189 stable

KDM4A 0.157513764 7.563495893 1.777235585 0.083394856 0.472885829 -5.447571635 stable

LOC101928464 -0.090275487 6.916612683 -1.776854654 0.083458502 0.473132664 -5.448207895 stable

C7orf71 0.00771496 3.024516339 1.776673459 0.08348879 0.473190321 -5.4485105 stable

WSB1 0.188617669 9.581047508 1.776526161 0.083513419 0.473215882 -5.448756476 stable

ATXN7L3B 0.137766391 7.760914864 1.775991988 0.083602786 0.473597241 -5.449648359 stable

LOC100507600 -0.030014607 3.294686645 -1.775883229 0.083620991 0.473597241 -5.44982992 stable

ZNF121 0.095854385 10.36076562 1.775672239 0.083656319 0.473683263 -5.450182119 stable

CLUH -0.096667201 8.084730374 -1.775348034 0.083710627 0.473876692 -5.450723234 stable

VRTN -0.037291407 6.212950338 -1.775112467 0.083750106 0.473886018 -5.451116356 stable

LOC100288778 /// LOC101930154 /// MIR6859-1 /// MIR6859-2 /// WASH1 /// WASH2P /// WASH3P /// WASH7P -0.124975286 11.77294993 -1.775097771 0.083752569 0.473886018 -5.451140879 stable

RP11-63A1.2 0.005511269 2.822131458 1.77461367 0.083833751 0.474231279 -5.451948617 stable

WIBG -0.049175167 2.903973376 -1.774011939 0.083934751 0.474688455 -5.452952364 stable

NSUN5P1 /// NSUN5P2 -0.198063249 10.44865848 -1.773807989 0.083969007 0.474768034 -5.453292507 stable

TIMP3 -0.023133297 2.707462887 -1.773447925 0.084029514 0.474928783 -5.453892934 stable

RNF144A 0.010479516 2.695928212 1.77337753 0.084041347 0.474928783 -5.454010309 stable

HMBS -0.125528814 7.906035987 -1.773278406 0.084058013 0.474928783 -5.45417558 stable

CTD-2012K14.6 -0.046823732 3.211143268 -1.772490963 0.084190503 0.475483867 -5.455488216 stable

IGHA1 /// IGHV4-31 -0.130567694 3.024781667 -1.772449716 0.084197448 0.475483867 -5.45555696 stable

PKIA -0.310477069 9.104205306 -1.772232237 0.084234073 0.475483867 -5.455919395 stable

LOC100507073 0.013955694 2.695023309 1.772214152 0.084237119 0.475483867 -5.455949532 stable

SPHKAP 0.003274272 2.259099151 1.771990754 0.084274756 0.475582181 -5.456321788 stable

MIR646HG 0.350955384 4.499444265 1.771558082 0.08434769 0.475705135 -5.457042652 stable

MRPL27 0.139595286 9.762078666 1.771519832 0.084354141 0.475705135 -5.457106373 stable

DUX1 -0.091633976 3.627222533 -1.771112806 0.084422805 0.475705135 -5.457784359 stable

DHRS13 0.154979827 8.407990027 1.77097213 0.084446548 0.475705135 -5.458018653 stable

TMEM117 0.09003687 3.721945673 1.770963347 0.08444803 0.475705135 -5.45803328 stable

CCL20 0.004076936 2.441778394 1.770903513 0.08445813 0.475705135 -5.458132928 stable

TNIP3 0.01998316 3.050836441 1.770830694 0.084470424 0.475705135 -5.458254198 stable

CNTNAP3P2 0.004755375 2.695345706 1.770787096 0.084477785 0.475705135 -5.458326802 stable

ZNF268 0.184476282 6.878583256 1.770782473 0.084478566 0.475705135 -5.4583345 stable

EIF4A3 0.102752269 10.73192019 1.770560167 0.084516109 0.475802633 -5.458704683 stable

OLFM2 0.12300704 4.716197793 1.770358708 0.084550144 0.475880337 -5.459040117 stable

MPL -0.532016109 8.332700863 -1.770177441 0.084580777 0.475938864 -5.459341903 stable

GBP5 0.307723794 10.26939785 1.769909335 0.084626103 0.476080019 -5.459788217 stable

ZFR2 0.005896604 2.425334173 1.769442154 0.084705132 0.476182552 -5.460565794 stable

RNF185 0.134678318 7.978289767 1.7693147 0.084726704 0.476182552 -5.460777898 stable

DLL4 -0.084069086 4.902452686 -1.769171475 0.08475095 0.476182552 -5.461016232 stable

RAB9B 0.029411301 2.892134105 1.769155127 0.084753718 0.476182552 -5.461043434 stable

ATG13 0.059800108 9.151215039 1.769140902 0.084756126 0.476182552 -5.461067105 stable

BFSP1 0.259183565 3.325651747 1.769083776 0.084765799 0.476182552 -5.46116216 stable

CMAHP 0.005146328 2.53571041 1.768816999 0.084810983 0.476182552 -5.461606028 stable

MAGOH /// MAGOHB 0.068900879 10.22478421 1.768753874 0.084821677 0.476182552 -5.461711049 stable

FAM66B /// FAM66C /// FAM66D /// LOC101928910 /// LOC102725108 0.05393572 4.210190407 1.768725211 0.084826533 0.476182552 -5.461758734 stable

PDE1A 0.009354117 2.47319238 1.768535214 0.08485873 0.47624963 -5.462074807 stable

RNF126P1 -0.0631195 7.317710077 -1.768283997 0.084901318 0.476374974 -5.462492679 stable

DDX11L2 -0.562433872 10.14105198 -1.767893173 0.084967607 0.476633218 -5.46314267 stable

LOC101927256 0.035589924 2.700032539 1.767439795 0.085044561 0.476951149 -5.463896545 stable

ARHGAP17 -0.108121801 10.70539508 -1.767253635 0.085076176 0.477014716 -5.464206044 stable

ADAM22 0.006154948 2.911447208 1.767109799 0.08510061 0.477037998 -5.464445158 stable

CEP192 0.114065668 8.330938811 1.766686295 0.085172586 0.477327707 -5.465149098 stable

HOXA7 -0.009936864 3.017361252 -1.765990421 0.085290963 0.477837963 -5.466305455 stable

FOXA2 0.003150495 2.333520871 1.765784816 0.085325966 0.477837963 -5.466647043 stable

HOXB7 0.098368625 2.87904482 1.765776536 0.085327376 0.477837963 -5.466660798 stable

NT5DC3 -0.11333724 2.556033391 -1.765673449 0.08534493 0.477837963 -5.466832051 stable

SLC25A44 0.136060669 8.388913058 1.765554376 0.085365211 0.477837963 -5.46702985 stable

DHX40 -0.065961896 10.16064219 -1.765156645 0.085432982 0.478064633 -5.467690461 stable

WDPCP -0.153356971 5.847137813 -1.765045983 0.085451846 0.478064633 -5.467874241 stable

TRPS1 0.190683147 8.380404238 1.764880551 0.085480053 0.478064633 -5.468148964 stable

ZFP82 0.249330223 7.052336716 1.764839783 0.085487005 0.478064633 -5.468216661 stable

SLCO1B3 0.013576709 3.104833676 1.764107985 0.085611883 0.478395652 -5.469431623 stable

B3GALT2 0.047209483 3.200408478 1.763948518 0.085639116 0.478395652 -5.469696321 stable

HHAT -0.217754751 4.612261016 -1.763860022 0.085654232 0.478395652 -5.469843206 stable

ITGB2 0.140316962 14.55927903 1.763837024 0.085658161 0.478395652 -5.469881377 stable

KCNN2 0.008500494 2.68468034 1.763664138 0.085687699 0.478395652 -5.47016831 stable

MIEF1 0.082747195 9.323498339 1.763643183 0.085691279 0.478395652 -5.470203087 stable

LYVE1 0.058315126 2.810558109 1.763279333 0.085753474 0.478395652 -5.470806871 stable

SORCS2 0.003796766 2.326616697 1.763188087 0.085769077 0.478395652 -5.470958271 stable

ACE2 0.013372987 3.263238799 1.763168742 0.085772386 0.478395652 -5.470990369 stable

TMEM44 0.050349444 3.311479303 1.763165313 0.085772972 0.478395652 -5.470996058 stable

DPP10-AS3 0.003176527 2.194530098 1.763119408 0.085780823 0.478395652 -5.471072222 stable

LOC101930075 /// NPIPA1 /// NPIPA2 /// NPIPA3 /// NPIPA5 /// NPIPA7 /// NPIPA8 /// PKD1P1 -0.157551672 12.40814074 -1.762917976 0.08581528 0.478395652 -5.471406414 stable

PIH1D2 0.013893011 3.156273762 1.762788001 0.08583752 0.478395652 -5.471622036 stable

LOC643201 0.022742497 3.107933962 1.762678875 0.085856197 0.478395652 -5.47180306 stable

DPEP2 -0.151995512 10.94944127 -1.762570153 0.085874807 0.478395652 -5.471983404 stable

EXT2 0.18095373 8.465734333 1.762569708 0.085874883 0.478395652 -5.471984143 stable

WBSCR22 -0.07814114 10.31509527 -1.762469952 0.085891962 0.478395652 -5.472149606 stable

NUPL1 0.085600484 7.911947115 1.762251705 0.085929337 0.478463219 -5.47251158 stable

LOC101926987 -0.087127018 2.565768209 -1.762142548 0.085948035 0.478463219 -5.472692609 stable

LINC01159 -0.07636001 3.014969916 -1.761951403 0.085980786 0.478463219 -5.473009585 stable

TMEM65 0.106211419 3.964922106 1.761924124 0.085985461 0.478463219 -5.47305482 stable

ACMSD 0.036500954 3.087174503 1.761721842 0.086020133 0.478511419 -5.473390228 stable

CCNJL 0.180709165 6.323678851 1.761636229 0.086034811 0.478511419 -5.473532175 stable

CBLC 0.003460865 2.318924295 1.761281124 0.086095715 0.478625556 -5.474120879 stable

ID2B 0.014706577 3.093817496 1.761213251 0.08610736 0.478625556 -5.47423339 stable

ENTHD2 -0.135159875 8.523668857 -1.761160687 0.086116379 0.478625556 -5.474320521 stable

ZBED8 0.029559742 2.976157823 1.760875968 0.086165247 0.478672136 -5.474792437 stable

MORF4L2 0.071549735 12.12231668 1.760874718 0.086165462 0.478672136 -5.47479451 stable

TOP1 -0.105854598 8.608391318 -1.760543387 0.086222359 0.478757545 -5.475343602 stable

LOC389641 -0.171433599 4.595331232 -1.760484977 0.086232393 0.478757545 -5.475440392 stable

HMGCR 0.159076263 9.4907798 1.760168074 0.086286848 0.478757545 -5.475965477 stable

PBX4 -0.184627198 7.467532301 -1.759972533 0.086320463 0.478757545 -5.476289433 stable

LOC283737 0.0051739 2.522380854 1.759936532 0.086326653 0.478757545 -5.476349073 stable

GOT1 0.142634229 8.27092733 1.759857254 0.086340285 0.478757545 -5.476480405 stable

RNF214 -0.059310821 7.432637045 -1.759834956 0.08634412 0.478757545 -5.476517342 stable

IGHA1 /// IGHA2 /// IGHD /// IGHG1 /// IGHG3 /// IGHM /// IGHV4-31 -0.348471939 9.639292307 -1.759779368 0.08635368 0.478757545 -5.476609424 stable

UBE2J1 -0.162525411 10.40360502 -1.759719215 0.086364026 0.478757545 -5.476709065 stable

KLF11 -0.247673531 7.542524601 -1.759279889 0.086439622 0.479063702 -5.477436706 stable

ABCC8 -0.022009448 3.143550212 -1.759160738 0.086460134 0.479064503 -5.477634023 stable

BCCIP -0.109340478 8.096155748 -1.758862806 0.086511442 0.479138 -5.478127362 stable

CEACAM5 0.048936952 2.657877726 1.758656083 0.086547057 0.479138 -5.478469627 stable

LOC286370 0.01139473 2.923346496 1.758646809 0.086548655 0.479138 -5.478484981 stable

DBNL /// MIR6837 -0.111145538 11.27464709 -1.758351657 0.086599527 0.479138 -5.478973595 stable

PEBP4 -0.068012056 2.730751392 -1.758327874 0.086603628 0.479138 -5.479012964 stable

POFUT1 0.072012859 3.296319377 1.758094636 0.086643848 0.479138 -5.479399026 stable

LOC101930405 -0.238630988 5.396309778 -1.757957964 0.086667423 0.479138 -5.479625231 stable

RP11-355B11.2 -0.198870494 6.080765955 -1.75792168 0.086673683 0.479138 -5.47968528 stable

PRKCQ 0.203642516 10.54589225 1.757902404 0.086677009 0.479138 -5.479717183 stable

CNTROB -0.114044514 7.543825966 -1.757901845 0.086677105 0.479138 -5.479718108 stable

C17orf75 0.151788455 5.022200057 1.757598068 0.08672953 0.479315147 -5.480220817 stable

PRO2012 0.00451751 2.50778224 1.757123888 0.086811415 0.479364998 -5.481005372 stable

TLL2 0.006752037 2.828561227 1.756986778 0.086835104 0.479364998 -5.481232194 stable

RP4-581F12.1 0.076104887 6.788388198 1.756868952 0.086855466 0.479364998 -5.481427103 stable

C20orf57 /// DUSP15 0.012350393 2.794198142 1.756848967 0.08685892 0.479364998 -5.481460161 stable

OR2B6 -0.020994413 3.027502303 -1.756740064 0.086877744 0.479364998 -5.481640297 stable

LOC100505812 0.269264454 7.539619469 1.756612827 0.086899741 0.479364998 -5.481850748 stable

ZFHX2 -0.056054005 6.263455448 -1.756588723 0.086903909 0.479364998 -5.481890615 stable

MAFG -0.124633085 8.447146099 -1.756504759 0.086918428 0.479364998 -5.482029482 stable

TMX4 0.156897602 9.752803513 1.756484264 0.086921973 0.479364998 -5.482063378 stable

KLHDC4 /// LOC100129637 0.26209512 8.312215724 1.756131763 0.086982952 0.479588847 -5.482646312 stable

SEC31B -0.242680319 8.022179896 -1.755752267 0.087048642 0.479709264 -5.483273776 stable

SOX17 0.003073497 2.539720645 1.755481679 0.087095505 0.479709264 -5.4837211 stable

SLC6A13 -0.021187318 2.65157298 -1.755393027 0.087110864 0.479709264 -5.483867642 stable

ARV1 -0.090760521 9.327498399 -1.755360304 0.087116533 0.479709264 -5.483921732 stable

LOC100506236 0.009368521 2.940943735 1.755345112 0.087119166 0.479709264 -5.483946844 stable

AX746690 /// RP4-564F22.5 0.009768262 2.333844392 1.755237574 0.0871378 0.479709264 -5.484124594 stable

LOC145474 -0.418215052 5.328777175 -1.755181278 0.087147557 0.479709264 -5.484217641 stable

SLC1A2 0.013755587 3.211074025 1.754618002 0.087245228 0.480018219 -5.4851485 stable

DTX3L 0.110545144 12.22813258 1.754526904 0.087261033 0.480018219 -5.485299021 stable

GALE -0.196684777 6.193923323 -1.75450457 0.087264908 0.480018219 -5.485335924 stable

ARIH2OS -0.245674693 4.572465761 -1.754324111 0.087296225 0.48007821 -5.485634077 stable

LOC102724873 /// ZNF75A 0.135144428 5.470337019 1.754101307 0.087334903 0.480099443 -5.486002155 stable

RP4-561L24.3 0.008197219 2.499907963 1.754066717 0.087340909 0.480099443 -5.486059295 stable

CTA-280A3\_\_B.2 -0.016335287 3.412609988 -1.753773779 0.087391787 0.480266873 -5.486543168 stable

SLC16A8 -0.037538999 3.732930975 -1.75356345 0.087428332 0.480282212 -5.486890546 stable

E2F5 -0.283724153 8.421164811 -1.753236407 0.087485183 0.480282212 -5.487430618 stable

SH3GL3 0.003580031 2.346415345 1.753103726 0.087508256 0.480282212 -5.4876497 stable

LRRC48 0.00358201 2.222965995 1.752945527 0.087535773 0.480282212 -5.487910898 stable

TBK1 0.144788308 9.834382356 1.752787651 0.087563242 0.480282212 -5.488171544 stable

LINC00623 0.136243857 12.09149798 1.752776899 0.087565113 0.480282212 -5.488189293 stable

KIAA1211L 0.007263333 2.450360318 1.752736925 0.087572069 0.480282212 -5.488255286 stable

H1F0 -0.239536024 9.014689181 -1.752669208 0.087583854 0.480282212 -5.488367073 stable

MRPL50 0.162502063 7.862151114 1.752550064 0.087604593 0.480282212 -5.48856375 stable

C20orf194 -0.116331923 8.106957875 -1.752270377 0.087653291 0.480282212 -5.489025397 stable

PACS2 -0.075887153 5.033533379 -1.752262928 0.087654589 0.480282212 -5.489037691 stable

FNBP1 0.096903519 12.69522807 1.75220042 0.087665476 0.480282212 -5.489140857 stable

TDRP -0.28026606 6.965612667 -1.752087769 0.087685099 0.480282212 -5.489326772 stable

MTPN -0.091850245 8.229512204 -1.751953535 0.087708487 0.480282212 -5.489548296 stable

SLC4A11 -0.007146442 2.667860193 -1.751945713 0.08770985 0.480282212 -5.489561203 stable

NOP14 -0.082248021 8.418446417 -1.751880085 0.087721287 0.480282212 -5.489669501 stable

CPSF4 -0.064727488 9.287468959 -1.751719271 0.087749316 0.480323868 -5.48993486 stable

COMMD5 /// LOC101928879 /// ZNF250 0.192234024 9.300543395 1.751160933 0.08784669 0.480744999 -5.490856009 stable

ATP5E -0.060868736 14.07043977 -1.750782299 0.087912776 0.480994744 -5.491480539 stable

RPS29 0.028242616 15.68521088 1.750537258 0.087955567 0.481092823 -5.491884655 stable

GCSAML -0.440528075 5.066635822 -1.75044384 0.087971885 0.481092823 -5.492038706 stable

NCAPD3 0.073467245 8.517251265 1.750328339 0.087992064 0.481092823 -5.492229162 stable

LOC284898 -0.080156788 2.660322401 -1.749913484 0.088064574 0.481377373 -5.492913153 stable

LSM14A -0.097651002 12.28186769 -1.749567121 0.088125151 0.481596577 -5.493484112 stable

GSG2 -0.016592293 3.147507747 -1.749370463 0.088159561 0.481672712 -5.493808249 stable

LOC102724030 0.003248817 2.485049471 1.748855917 0.088249646 0.482031738 -5.494656189 stable

TRIM52 -0.108366304 8.520389212 -1.748761071 0.08826626 0.482031738 -5.494812466 stable

CEBPA-AS1 -0.128284623 7.56170955 -1.748519245 0.088308631 0.482151187 -5.495210888 stable

ADAMTS19 0.007644744 2.527458012 1.748366104 0.088335473 0.482185809 -5.495463172 stable

HIST3H3 -0.028027539 2.473084693 -1.748105817 0.088381109 0.482244354 -5.495891926 stable

MRPL39 0.121674097 9.260566012 1.748071069 0.088387203 0.482244354 -5.49594916 stable

RHO -0.031983402 2.925773254 -1.747661583 0.088459044 0.482389212 -5.496623557 stable

MFSD9 0.141610158 5.927181553 1.747599395 0.088469958 0.482389212 -5.496725965 stable

C12orf4 -0.119063511 8.253626957 -1.747532168 0.088481759 0.482389212 -5.496836668 stable

CFL2 0.197599404 7.135741604 1.747406226 0.088503868 0.482389212 -5.497044046 stable

AK094644 0.013703496 3.221073762 1.747017655 0.088572114 0.482389212 -5.497683793 stable

HOTAIRM1 0.308142578 5.583252056 1.747001425 0.088574965 0.482389212 -5.497710513 stable

COASY -0.102385366 9.219923522 -1.746951801 0.088583684 0.482389212 -5.497792205 stable

FRMPD3 0.151427537 4.738205968 1.746806105 0.088609287 0.482389212 -5.498032042 stable

FAM160B1 0.006600276 2.902011239 1.746685689 0.088630452 0.482389212 -5.498230251 stable

SYNC 0.271843908 5.101205119 1.74654547 0.088655103 0.482389212 -5.498461041 stable

GTF2H1 0.139121987 9.00090548 1.746441713 0.088673348 0.482389212 -5.498631808 stable

LINC00623 /// LINC00869 /// LINC01138 /// LOC103091866 0.171366383 11.55158083 1.746319974 0.088694759 0.482389212 -5.49883216 stable

LRRC20 0.091402724 4.460783641 1.746287514 0.088700468 0.482389212 -5.498885577 stable

ATP1B3 0.124411989 11.73704453 1.746285189 0.088700878 0.482389212 -5.498889405 stable

LOC100507472 /// PCSK6 -0.49007612 8.29810973 -1.74565414 0.088811938 0.48277541 -5.49992774 stable

LOC101559451 0.009554816 3.098679993 1.745580857 0.088824843 0.48277541 -5.500048301 stable

DNAJC5B -0.026918153 2.246030517 -1.745514624 0.088836508 0.48277541 -5.500157258 stable

TMED2 0.070208412 12.5965102 1.745415362 0.088853992 0.48277541 -5.500320546 stable

USP30-AS1 0.172522415 6.410010416 1.745247513 0.088883564 0.482824551 -5.500596641 stable

CPEB2 0.111110166 9.017394793 1.745028281 0.088922201 0.482922901 -5.500957221 stable

AC008753.4 -0.067313499 4.485305143 -1.744910832 0.088942905 0.48292384 -5.501150378 stable

MBD1 0.081614236 9.340441364 1.744364676 0.089039238 0.483335316 -5.502048447 stable

ATL2 0.221026667 6.084972547 1.743785063 0.089141568 0.48367624 -5.503001267 stable

WDYHV1 0.157072003 7.724414473 1.743534183 0.089185891 0.48367624 -5.503413603 stable

LOC101929662 0.005982314 2.830849954 1.743505481 0.089190963 0.48367624 -5.503460772 stable

SSPO -0.064355407 7.236939921 -1.743448393 0.089201052 0.48367624 -5.503554592 stable

LOC101928371 0.009121946 2.633399415 1.743418845 0.089206274 0.48367624 -5.503603149 stable

B4GALT5 0.269894559 10.13464612 1.743206065 0.089243887 0.48367624 -5.503952807 stable

TMBIM6 0.06670645 13.50805132 1.743194184 0.089245988 0.48367624 -5.503972329 stable

SH3RF3 -0.17663771 6.601494724 -1.742911193 0.089296034 0.483741177 -5.504437303 stable

LOC728485 -0.065371369 5.949625724 -1.742893848 0.089299102 0.483741177 -5.5044658 stable

NADK2 0.089199305 8.366308301 1.742345023 0.089396231 0.484155823 -5.505367365 stable

MAP7D3 -0.064680771 5.772844693 -1.742040431 0.089450174 0.484317597 -5.50586762 stable

KIAA1841 0.178274284 4.945544092 1.741943857 0.089467283 0.484317597 -5.506026216 stable

C16orf58 -0.12315336 9.190704128 -1.741703798 0.089509823 0.48443639 -5.506420412 stable

STRN4 -0.154978609 9.438174509 -1.741328121 0.08957643 0.484543829 -5.507037211 stable

DLEU1 -0.127104016 8.177715458 -1.741288986 0.089583371 0.484543829 -5.507101457 stable

EIF1AD 0.164794662 6.288281218 1.741243292 0.089591476 0.484543829 -5.50717647 stable

FOXO3 /// FOXO3B -0.092784519 10.55911597 -1.740997736 0.089635041 0.484571855 -5.507579554 stable

LONP1 -0.063944727 8.79379164 -1.740981844 0.089637862 0.484571855 -5.50760564 stable

CDKN1B 0.200335362 12.45435251 1.740655541 0.089695781 0.484773547 -5.508141191 stable

ZMPSTE24 0.116667491 10.47621283 1.740510938 0.089721459 0.484800928 -5.508378497 stable

CDKN2D -0.160074018 10.26100572 -1.740367187 0.089746991 0.484827512 -5.508614387 stable

HTT 0.110467341 8.850456822 1.739209711 0.089952798 0.485827732 -5.51051316 stable

KLHL5 -0.154145283 10.42190716 -1.739004302 0.089989363 0.485913636 -5.510850009 stable

ZNF90 0.113428747 4.367911245 1.738664956 0.090049796 0.486128357 -5.511406426 stable

GAFA3 0.011740048 2.960279212 1.73816884 0.090138209 0.486493992 -5.512219729 stable

FAM174A 0.131710496 8.655513565 1.737922105 0.090182207 0.486567862 -5.512624137 stable

LOC101060264 0.007919518 2.451257448 1.737744191 0.090213944 0.486567862 -5.512915714 stable

SDR39U1 -0.108355416 10.02371228 -1.737744126 0.090213955 0.486567862 -5.512915822 stable

HIST1H3B -0.146442425 3.124110906 -1.737463763 0.090263986 0.486686988 -5.513375248 stable

TMEM263 0.170449528 10.21654692 1.737276145 0.09029748 0.486686988 -5.513682658 stable

EXOSC1 0.121522361 4.047728756 1.737272575 0.090298117 0.486686988 -5.513688508 stable

THAP10 0.002848318 2.341582663 1.736315727 0.090469096 0.487496816 -5.515255856 stable

LRP10 0.059256522 12.27031398 1.735782032 0.090564579 0.487833228 -5.516129745 stable

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ATP13A5 0.004035352 2.053876763 1.735463199 0.090621662 0.487833228 -5.516651703 stable

SRGAP2 -0.362116998 7.514585254 -1.735449137 0.09062418 0.487833228 -5.516674721 stable

COL11A2 0.055969667 2.640747027 1.735387446 0.090635228 0.487833228 -5.516775705 stable

CDX2 -0.032220872 2.101002073 -1.735085532 0.090689316 0.488012676 -5.517269871 stable

ANAPC16 -0.07540672 12.56187464 -1.734830296 0.090735063 0.488147166 -5.517687577 stable

RP3-329A5.8 -0.053897429 6.106538362 -1.734680445 0.09076193 0.488180049 -5.517932793 stable

LINC00514 0.008652805 3.099580075 1.734323765 0.090825907 0.488202429 -5.518516387 stable

LRRC56 -0.130765271 5.150459997 -1.734299321 0.090830292 0.488202429 -5.518556378 stable

TTYH1 0.003228907 2.384033918 1.734149048 0.090857259 0.488202429 -5.518802219 stable

ENTPD7 0.171675027 3.974852542 1.734139481 0.090858976 0.488202429 -5.51881787 stable

MECP2 0.119840547 9.118632707 1.734007611 0.090882646 0.488202429 -5.519033588 stable

AK055981 0.1546939 6.459609349 1.733963153 0.090890627 0.488202429 -5.51910631 stable

BTN2A1 0.086170376 10.27651394 1.733720489 0.0909342 0.488248736 -5.519503225 stable

GNAO1 -0.017373066 2.070733855 -1.733565759 0.090961993 0.488248736 -5.519756285 stable

CMTM7 -0.211178992 9.47456186 -1.733274541 0.091014322 0.488248736 -5.520232518 stable

FABP5 -0.191982907 9.385616981 -1.733168716 0.091033343 0.488248736 -5.520405558 stable

SNRNP35 0.09607115 8.702269384 1.73309424 0.091046732 0.488248736 -5.520527332 stable

VILL -0.095148991 8.373839155 -1.733053643 0.091054031 0.488248736 -5.52059371 stable

ZCCHC7 -0.152923388 8.772108867 -1.733022141 0.091059695 0.488248736 -5.520645215 stable

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ATG4C 0.195036486 8.27560354 1.732844173 0.091091699 0.488278912 -5.520936178 stable

MAMDC2 0.005007305 2.660037545 1.732647239 0.091127126 0.488357512 -5.52125812 stable

GABARAPL1 0.160499152 8.588546448 1.732253232 0.091198037 0.488613601 -5.521902137 stable

SFTA2 -0.010883434 2.870034824 -1.732114015 0.091223104 0.488613601 -5.522129661 stable

LOC388692 0.271195675 9.04554247 1.731944239 0.091253681 0.488613601 -5.522407109 stable

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DEGS2 0.083221594 3.183126702 1.731444955 0.091343652 0.488909136 -5.5232229 stable

KRCC1 0.089227881 11.36028419 1.731308273 0.091368295 0.488909136 -5.523446192 stable

INPP5E -0.113618989 9.081374112 -1.731267978 0.091375561 0.488909136 -5.523512017 stable

CCBL2 -0.087474454 10.57510176 -1.731119949 0.091402258 0.488940755 -5.523753826 stable

GNB5 -0.074659327 2.458961646 -1.730959882 0.091431133 0.48898401 -5.524015279 stable

BC012193 -0.069871933 3.731172886 -1.730771341 0.091465154 0.489011186 -5.524323214 stable

SERPINC1 0.004374236 2.676573943 1.730701302 0.091477795 0.489011186 -5.524437597 stable

C9orf85 0.082293799 5.860587703 1.73034667 0.091541823 0.489180285 -5.525016703 stable

FTH1P5 -0.051401702 14.51848449 -1.730288066 0.091552408 0.489180285 -5.525112392 stable

CD2 0.177388486 12.72929781 1.730180595 0.091571821 0.489180285 -5.525287866 stable

PTPRN -0.069736308 3.669705452 -1.729947194 0.091613993 0.489294443 -5.525668918 stable

RSL1D1 -0.134699586 11.85970842 -1.729509293 0.091693159 0.489606081 -5.526383719 stable

SLC44A3 0.005588799 2.405649193 1.729279677 0.091734692 0.489686348 -5.526758467 stable

MORC3 0.097003484 10.52701475 1.729023904 0.091780976 0.489686348 -5.527175856 stable

LINC01097 0.011973542 2.68795718 1.728827054 0.091816611 0.489686348 -5.527497054 stable

HORMAD2 0.005806831 2.699837781 1.728805129 0.091820581 0.489686348 -5.527532827 stable

SLC23A3 0.021042683 3.059882341 1.728709664 0.091837867 0.489686348 -5.527688583 stable

ATP1A1 0.067964834 11.27137025 1.72860095 0.091857555 0.489686348 -5.527865946 stable

PIGU 0.111795623 8.033042981 1.728598418 0.091858014 0.489686348 -5.527870076 stable

ZFYVE1 0.089150335 8.946468471 1.72847458 0.091880446 0.489686348 -5.528072103 stable

ZCWPW1 -0.081963031 5.426193299 -1.728391139 0.091895563 0.489686348 -5.52820822 stable

COPG2IT1 -0.065507867 3.0576445 -1.727852528 0.091993194 0.490095563 -5.529086715 stable

ADH4 0.096240967 6.283600034 1.727488962 0.092059144 0.490335852 -5.529679573 stable

LOC101929857 /// LOC101929864 /// SLX1A /// SLX1A-SULT1A3 /// SLX1B /// SULT1A3 /// SULT1A4 0.180418879 5.833751855 1.727310514 0.092091528 0.490397292 -5.529970524 stable

CDIPT 0.05275192 11.36694089 1.726462188 0.092245612 0.491037117 -5.531353331 stable

INTS6-AS1 -0.199136912 6.336020498 -1.72631502 0.092272364 0.491037117 -5.531593161 stable

CFLAR /// LOC102724614 0.120189516 9.046486706 1.726304315 0.09227431 0.491037117 -5.531610605 stable

PRSS22 -0.059195158 5.487006435 -1.725381006 0.092442301 0.491740947 -5.533114859 stable

ERCC6 /// ERCC6-PGBD3 /// PGBD3 0.204846586 4.95182811 1.725347595 0.092448385 0.491740947 -5.53316928 stable

EML3 -0.060165956 10.15833399 -1.725139384 0.092486305 0.491750169 -5.533508396 stable

H2AFY2 -0.105629461 6.885094969 -1.724928294 0.092524763 0.491750169 -5.533852166 stable

ENDOD1 -0.312629993 8.167169211 -1.724888022 0.092532101 0.491750169 -5.533917745 stable

ANKRD16 -0.125144866 7.551095714 -1.724807447 0.092546786 0.491750169 -5.534048954 stable

LOC286190 0.009910105 3.14310592 1.724758573 0.092555694 0.491750169 -5.534128538 stable

HMGB4 0.021471521 2.785553643 1.724649587 0.09257556 0.491750169 -5.534305996 stable

PDGFB 0.182722004 4.496075448 1.723956543 0.092701975 0.492214451 -5.535434241 stable

LOC101929528 -0.014857778 2.993153277 -1.723940967 0.092704818 0.492214451 -5.535459594 stable

UCN2 -0.026746538 3.748064315 -1.723452271 0.092794047 0.492465927 -5.536254929 stable

IL1RAP 0.099770624 7.494551187 1.723452224 0.092794056 0.492465927 -5.536255005 stable

WDR83 0.096890067 7.05674928 1.723328072 0.092816736 0.492475173 -5.536457027 stable

C6orf58 -0.006842219 2.389612912 -1.722977265 0.092880846 0.492659295 -5.5370278 stable

MRPL3 -0.06379509 11.27505071 -1.722908986 0.092893328 0.492659295 -5.537138879 stable

NIFK-AS1 0.056119602 2.841586171 1.722296387 0.093005382 0.493068069 -5.53813532 stable

KIAA0232 0.089568285 10.50197434 1.72225842 0.09301233 0.493068069 -5.538197068 stable

AP1B1 -0.105172792 10.07383978 -1.722127485 0.093036296 0.493083985 -5.538409999 stable

DZANK1 0.013401442 3.071554475 1.721891815 0.093079446 0.493129543 -5.538793223 stable

MRPS9 0.102961496 9.17085049 1.721782434 0.093099479 0.493129543 -5.538971072 stable

PYY2 -0.14548051 3.855035725 -1.721737065 0.093107789 0.493129543 -5.539044837 stable

GNAL 0.30750865 3.201059766 1.721113216 0.093222121 0.493623933 -5.540058984 stable

IQSEC3 0.003064293 2.141247486 1.720922409 0.093257113 0.493698078 -5.540369101 stable

IGKC /// IGKV2-28 /// IGKV2-28 /// IGKV2D-28 /// IGKV2D-28 -0.471962234 9.460399351 -1.720504343 0.093333821 0.493826804 -5.541048481 stable

FCGR2B -0.400112065 9.28509614 -1.720501717 0.093334303 0.493826804 -5.541052748 stable

CENPQ 0.147160938 5.296143721 1.720446632 0.093344414 0.493826804 -5.541142253 stable

LOC101929243 -0.169570555 7.85925488 -1.720249188 0.093380664 0.493907487 -5.541463051 stable

GAS2L3 -0.042453571 2.901256919 -1.719561887 0.093506939 0.49446419 -5.542579503 stable

ZCRB1 -0.081429258 10.14604741 -1.719341104 0.093547533 0.49456766 -5.542938061 stable

SPATA7 0.155506518 4.001404216 1.719026647 0.093605375 0.494740032 -5.543448681 stable

ZFAND6 0.062047648 11.385286 1.718855071 0.093636948 0.494740032 -5.543727254 stable

VEPH1 -0.249305857 5.579883715 -1.718632268 0.093677961 0.494740032 -5.544088967 stable

SKAP1 0.20265929 10.34437757 1.718488855 0.093704368 0.494740032 -5.54432177 stable

HYI -0.11347605 5.84313883 -1.718485371 0.093705009 0.494740032 -5.544327425 stable

C2orf54 0.021763273 3.751171703 1.718478141 0.093706341 0.494740032 -5.544339162 stable

ADD2 -0.307232431 3.425422694 -1.718048516 0.093785487 0.495046776 -5.545036473 stable

GFRA4 0.011368905 2.625668118 1.717725492 0.093845031 0.495249939 -5.545560664 stable

GOLGA2P5 -0.273634001 6.104464322 -1.716796001 0.094016544 0.495986906 -5.547068539 stable

ANKS1A 0.152794057 8.99062711 1.71674018 0.094026853 0.495986906 -5.547159074 stable

MAX -0.193769929 10.93854281 -1.716481153 0.094074701 0.496128034 -5.547579144 stable

RABGAP1 -0.084552333 9.980653779 -1.715935577 0.094175546 0.496332821 -5.548463745 stable

PDIA4 0.134413594 8.619421458 1.715928787 0.094176802 0.496332821 -5.548474754 stable

KRTAP5-AS1 0.008502812 2.509217316 1.715928596 0.094176837 0.496332821 -5.548475063 stable

TM4SF18 -0.006013748 2.15177294 -1.715804175 0.094199848 0.496342881 -5.548676765 stable

COL1A2 -0.03605472 3.395213293 -1.715612475 0.094235311 0.496418534 -5.548987512 stable

PABPC1L -0.143343731 8.762402741 -1.715264653 0.094299684 0.496646411 -5.549551255 stable

LILRB4 0.012321329 3.035958739 1.715020961 0.094344807 0.496680512 -5.549946168 stable

HOXC-AS3 0.003754231 2.46024196 1.714847361 0.094376963 0.496680512 -5.550227465 stable

KLK6 0.004030718 2.303222793 1.714753234 0.094394401 0.496680512 -5.550379976 stable

HEMGN -0.353308269 6.835553128 -1.714610631 0.094420826 0.496680512 -5.550611017 stable

LOC401068 -0.088608001 2.625559985 -1.714529127 0.094435932 0.496680512 -5.550743061 stable

TPT1-AS1 0.026820186 3.107430591 1.714462533 0.094448276 0.496680512 -5.550850943 stable

FAM208A -0.080213165 9.979149597 -1.714431794 0.094453974 0.496680512 -5.550900741 stable

PHB 0.090183879 10.07691704 1.713632151 0.094602309 0.49725851 -5.552195876 stable

FRMD4A 0.006198528 2.784268105 1.713611324 0.094606175 0.49725851 -5.552229601 stable

MED25 /// MIR6800 -0.098749164 9.707910169 -1.713245624 0.094674079 0.497479894 -5.552821727 stable

ZC4H2 -0.151714253 6.587849769 -1.712980638 0.094723308 0.497479894 -5.553250711 stable

TMSB4Y -0.099749129 6.160345416 -1.712973635 0.09472461 0.497479894 -5.553262048 stable

SH3GL2 0.005866487 2.571727998 1.712779477 0.094760694 0.497479894 -5.553576333 stable

GALC 0.157135134 10.21317745 1.712594477 0.094795087 0.497479894 -5.553875765 stable

ZRANB3 -0.040834379 2.721102691 -1.712530691 0.094806948 0.497479894 -5.553978999 stable

TPD52L3 -0.073737492 3.502289791 -1.71233682 0.094843005 0.497479894 -5.55429275 stable

VMO1 0.198686886 2.517800479 1.71224508 0.094860071 0.497479894 -5.554441206 stable

ATP6V1C1 0.167604321 8.284902036 1.712216545 0.09486538 0.497479894 -5.554487382 stable

TEX26-AS1 0.008408806 2.602317608 1.712161871 0.094875553 0.497479894 -5.554575852 stable

RNASEL 0.192390166 7.817023773 1.712132871 0.094880949 0.497479894 -5.554622777 stable

KLF8 -0.056605946 2.924161591 -1.711905733 0.094923222 0.49759062 -5.55499029 stable

PIK3R1 0.166110948 10.46408713 1.711551428 0.094989194 0.497720473 -5.555563476 stable

GOLGA5 0.069465652 9.855479743 1.711545407 0.094990315 0.497720473 -5.555573216 stable

DNAH11 -0.005464789 2.33088611 -1.711287263 0.095038406 0.497826252 -5.555990769 stable

DHX36 -0.241283211 7.994829651 -1.71120984 0.095052834 0.497826252 -5.556115992 stable

RGPD4-AS1 0.015542365 3.292830331 1.71090903 0.095108906 0.497930044 -5.556602472 stable

SFMBT1 -0.119690428 7.772991113 -1.710876396 0.09511499 0.497930044 -5.556655245 stable

DEFB108B 0.026442229 3.275202786 1.710432177 0.095197849 0.498252917 -5.557373505 stable

SDF2 0.157870226 8.778553599 1.710301794 0.09522218 0.498260233 -5.557584291 stable

ABCB6 -0.02121406 3.077297014 -1.710117459 0.095256589 0.498260233 -5.557882275 stable

SNX14 0.104511242 9.999223599 1.710003228 0.095277917 0.498260233 -5.558066922 stable

OGDHL 0.003238721 2.221853271 1.709970748 0.095283981 0.498260233 -5.558119421 stable

FAM204A 0.089139129 3.886779081 1.709855722 0.095305463 0.49826179 -5.558305339 stable

ANKRD20A5P /// ANKRD20A5P 0.31716763 3.152524593 1.709248777 0.095418878 0.498644518 -5.559286168 stable

NDUFA5 -0.167894259 10.76424254 -1.709237055 0.095421069 0.498644518 -5.559305107 stable

PIP5K1B -0.25282172 8.174472096 -1.70845565 0.095567253 0.49917032 -5.560567419 stable

TJAP1 -0.121262802 7.363197289 -1.708363407 0.095584522 0.49917032 -5.560716399 stable

RAB9BP1 0.007564776 2.880095771 1.708358959 0.095585354 0.49917032 -5.560723583 stable

DFNB31 -0.188886683 4.061662622 -1.708152101 0.09562409 0.499191879 -5.561057651 stable

MYH16 0.005484401 2.779355956 1.708110247 0.095631929 0.499191879 -5.561125237 stable

AK123826 /// RP11-510M2.2 0.073037254 3.706255341 1.707780849 0.095693643 0.499403188 -5.561657119 stable

LOC441179 0.007198137 2.982208746 1.70737343 0.095770019 0.499606593 -5.56231486 stable

LOC101928781 0.036462951 3.641188539 1.707346338 0.0957751 0.499606593 -5.562358593 stable

LOC93444 0.002809435 2.32238431 1.707108405 0.095819729 0.499728571 -5.562742646 stable

HHIPL1 0.003037343 2.174103952 1.70688058 0.095862479 0.499781416 -5.56311034 stable

LRRC42 0.084007877 6.931178053 1.706785273 0.095880367 0.499781416 -5.563264147 stable

LOC101929210 0.015530664 2.802974957 1.706714744 0.095893607 0.499781416 -5.563377963 stable

TIA1 0.143729532 5.036572443 1.706182885 0.095993495 0.500191183 -5.564236112 stable

CD9 -0.369982222 11.56504468 -1.705847877 0.096056457 0.500362272 -5.564776528 stable

OR7E156P -0.057100832 6.179216529 -1.705781823 0.096068876 0.500362272 -5.564883071 stable

CYP4F62P -0.010058925 3.112704834 -1.705091629 0.096198714 0.50081133 -5.565996127 stable

ADSS 0.06414679 10.49446329 1.704795461 0.096254474 0.50081133 -5.566473629 stable

MAP3K15 -0.028941573 3.509794309 -1.704700696 0.096272321 0.50081133 -5.566626401 stable

DHX35 0.010099263 2.80513785 1.704620244 0.096287475 0.50081133 -5.566756093 stable

NXT2 0.10803881 9.343475663 1.7045776 0.096295508 0.50081133 -5.566824835 stable

ZNF674-AS1 -0.091172658 2.992160477 -1.704557038 0.096299381 0.50081133 -5.566857979 stable

LOC158402 0.349880143 7.354517691 1.704531786 0.096304139 0.50081133 -5.566898684 stable

DAGLB 0.243162341 5.923722695 1.704211928 0.096364414 0.501014012 -5.567414234 stable

CHKB -0.088834171 10.91766225 -1.703647795 0.096470799 0.50145628 -5.568323304 stable

CEP83 0.199551844 6.154875513 1.703442554 0.096509528 0.501546752 -5.568653973 stable

ERAP1 0.140192953 4.158039346 1.702842947 0.096622747 0.50193166 -5.569619825 stable

ZBED4 -0.102133953 8.523057317 -1.702748653 0.096640562 0.50193166 -5.569771687 stable

ATAD3A -0.114731132 7.617633082 -1.702711339 0.096647612 0.50193166 -5.569831781 stable

RRNAD1 -0.115478351 7.416089628 -1.702420644 0.096702553 0.502106127 -5.570299897 stable

SNCB 0.006738754 2.753433739 1.702152907 0.096753178 0.502240574 -5.570730984 stable

LOC283713 /// OTUD7A 0.024531651 3.334503694 1.702039158 0.096774693 0.502240574 -5.570914115 stable

ZKSCAN3 0.044561205 3.035442203 1.701843118 0.096811782 0.502240574 -5.571229705 stable

NT5M -0.40818359 6.236515545 -1.701832146 0.096813858 0.502240574 -5.571247367 stable

TRIM61 0.203471736 5.079227373 1.701578454 0.096861873 0.502378857 -5.57165572 stable

KIAA1656 -0.066944921 4.273310855 -1.701416644 0.096892508 0.502426959 -5.571916149 stable

LINC01197 0.006007191 2.560586386 1.70129053 0.096916391 0.502440032 -5.57211911 stable

LOC101928834 -0.101232019 3.682286469 -1.700896812 0.096990981 0.502472025 -5.572752657 stable

DNAJC17 0.088043993 7.601111954 1.700885585 0.096993109 0.502472025 -5.572770722 stable

GSTO2 -0.018796211 2.187775305 -1.700823057 0.09700496 0.502472025 -5.572871326 stable

C1orf210 0.033311856 3.426672574 1.700777127 0.097013665 0.502472025 -5.572945223 stable

LDLR 0.223849669 6.921343604 1.700694251 0.097029375 0.502472025 -5.573078558 stable

PKHD1L1 -0.465590719 4.44520919 -1.700468074 0.097072261 0.502583457 -5.573442415 stable

LINC00616 0.007335326 2.6529484 1.700303653 0.097103446 0.502634278 -5.573706897 stable

LOC101929167 0.008702155 2.758693893 1.699999375 0.097161181 0.50282247 -5.574196289 stable

PCDHGA10 /// PCDHGA11 /// PCDHGA12 /// PCDHGA3 /// PCDHGA5 /// PCDHGA6 /// PCDHGC3 0.008437027 2.218157434 1.699498401 0.097256298 0.503058242 -5.57500188 stable

FGF14-IT1 0.004012303 2.442239795 1.699448686 0.097265742 0.503058242 -5.575081813 stable

DCBLD1 0.203459098 4.016557559 1.699421521 0.097270902 0.503058242 -5.575125488 stable

TSACC -0.024400532 2.773722393 -1.699153054 0.097321913 0.503060954 -5.575557095 stable

MINOS1 -0.064446114 11.48713211 -1.699107422 0.097330586 0.503060954 -5.575630451 stable

MRPL38 -0.087313143 9.742611509 -1.699081094 0.09733559 0.503060954 -5.575672772 stable

ARHGEF4 /// LOC101930241 -0.066675993 2.592244022 -1.698917848 0.097366622 0.503110791 -5.575935181 stable

CKAP2 /// IGLJ3 /// IGLV3-19 /// IGLV3-19 -0.290912822 4.546648049 -1.698333067 0.097477855 0.503388322 -5.576875002 stable

RPF1 -0.070258459 11.9464109 -1.698310953 0.097482063 0.503388322 -5.576910536 stable

CCER1 0.011106425 3.334778569 1.698297951 0.097484537 0.503388322 -5.576931429 stable

HNRNPU -0.058443236 11.94892632 -1.698095314 0.097523108 0.503415136 -5.577257022 stable

FAM221B 0.019210731 2.576228416 1.698045795 0.097532536 0.503415136 -5.577336584 stable

LOC100289473 -0.042179289 3.590077212 -1.697926207 0.097555306 0.503422195 -5.577528715 stable

ZNF100 0.147181209 5.833245929 1.697569409 0.09762327 0.503662414 -5.578101883 stable

WDR49 0.020707564 3.16973912 1.697382982 0.097658797 0.503735213 -5.578401322 stable

TLK2 0.063530221 8.988433225 1.696974012 0.097736771 0.503927416 -5.57905811 stable

TBC1D31 0.040050106 2.675362658 1.696962803 0.097738909 0.503927416 -5.579076109 stable

LOC93622 0.151516647 10.17715781 1.696610239 0.097806171 0.50415724 -5.579642198 stable

SPTB -0.186358534 2.803487585 -1.696257878 0.097873433 0.50415724 -5.580207862 stable

CNFN -0.019647799 2.237480072 -1.696122007 0.097899379 0.50415724 -5.580425955 stable

UTP3 0.11439447 11.25953917 1.696084939 0.097906459 0.50415724 -5.580485453 stable

DDX11-AS1 0.007606769 3.040005689 1.69599774 0.097923115 0.50415724 -5.580625409 stable

ALKBH8 0.123316346 4.978072003 1.695950306 0.097932176 0.50415724 -5.58070154 stable

CR1 /// CR1L -0.215110801 7.986188621 -1.695943247 0.097933524 0.50415724 -5.580712868 stable

IGHV3-54 -0.082031781 3.916399235 -1.695476448 0.098022736 0.50442227 -5.58146197 stable

ZNF654 0.080731498 4.326502104 1.695449446 0.098027898 0.50442227 -5.581505296 stable

ASTN2 0.011408726 2.688856965 1.695112962 0.098092249 0.504643 -5.582045155 stable

CCDC126 0.120321651 8.294108144 1.694953741 0.098122712 0.50468933 -5.582300578 stable

ABCC3 -0.381910334 8.442039401 -1.694681064 0.098174899 0.504847356 -5.582737962 stable

SORD -0.163467589 6.572089784 -1.694545835 0.098200789 0.504870112 -5.582954851 stable

SFXN2 -0.152937112 7.864989706 -1.694239507 0.098259457 0.505061341 -5.583446105 stable

EDARADD 0.029232719 2.336258873 1.693787095 0.098346157 0.505140578 -5.584171494 stable

IMPACT -0.134957445 6.433401115 -1.693764449 0.098350498 0.505140578 -5.584207799 stable

EFEMP2 -0.096834212 6.19745846 -1.693736285 0.098355898 0.505140578 -5.58425295 stable

LOC100506571 0.00568894 2.31969309 1.693710835 0.098360777 0.505140578 -5.584293751 stable

FLJ30064 -0.050551361 2.73247348 -1.693537038 0.098394104 0.505201426 -5.584572357 stable

POLR1A 0.14540349 5.124262568 1.693344578 0.098431021 0.505234113 -5.584880855 stable

CTB-50L17.7 0.191666665 7.243905247 1.693279896 0.098443431 0.505234113 -5.584984527 stable

PCYOX1L -0.12810165 10.01694289 -1.693014009 0.098494457 0.505385714 -5.585410657 stable

SNRPB 0.063127147 11.43598469 1.692818818 0.098531929 0.505437525 -5.585723448 stable

SLC26A4-AS1 0.007356526 2.901596722 1.692737564 0.098547531 0.505437525 -5.585853646 stable

BEND4 -0.360715307 4.218530989 -1.692528763 0.098587635 0.505532977 -5.586188199 stable

FLOT2 -0.076985265 10.97654869 -1.692246255 0.098641917 0.50559274 -5.586640792 stable

EIF2B2 0.142076605 9.159741549 1.692244364 0.098642281 0.50559274 -5.586643822 stable

DNM1P46 0.024405114 3.198104601 1.692087801 0.098672374 0.505636798 -5.586894615 stable

FSTL4 -0.024988325 2.554646204 -1.691657963 0.098755033 0.505898562 -5.587583059 stable

BCS1L -0.122238749 8.416527034 -1.691598499 0.098766472 0.505898562 -5.587678287 stable

TNC 0.014236866 2.616172852 1.691209827 0.098841272 0.506171467 -5.588300648 stable

SMAD5 0.165321182 5.999831356 1.690940083 0.098893211 0.506327213 -5.588732505 stable

IQCG 0.01113673 2.968586168 1.690486105 0.098980676 0.506540157 -5.589459182 stable

LAIR1 0.103283452 9.61597035 1.690392217 0.098998773 0.506540157 -5.589609447 stable

POLR3H -0.137791324 7.175557332 -1.690255394 0.09902515 0.506540157 -5.589828414 stable

RP11-469M7.1 -0.157711579 7.416310214 -1.690225656 0.099030884 0.506540157 -5.589876004 stable

TRAF3IP2 0.026782083 3.111719185 1.690026101 0.099069367 0.506540157 -5.590195334 stable

UEVLD -0.164577188 6.150897694 -1.690010918 0.099072296 0.506540157 -5.59021963 stable

LOC100133130 -0.168680574 7.863251693 -1.689942196 0.099085552 0.506540157 -5.59032959 stable

RFTN1 0.009096786 2.843185599 1.68964734 0.099142444 0.506720865 -5.590801342 stable

CHD3 -0.160731476 9.158827306 -1.68949501 0.099171846 0.506761025 -5.591045033 stable

UBQLN4 -0.12154291 5.748101429 -1.689343056 0.099201184 0.506800834 -5.591288105 stable

LRRC1 0.071017158 3.848022131 1.689135604 0.099241247 0.506895413 -5.591619921 stable

CTD-2293H3.1 0.10625276 4.798929492 1.688753402 0.099315094 0.507000775 -5.592231156 stable

7-Sep 0.148213669 4.647321548 1.688727671 0.099320067 0.507000775 -5.592272302 stable

CXCR1 0.545393979 5.836805182 1.688690578 0.099327237 0.507000775 -5.592331616 stable

MAP1A -0.353018961 7.387861924 -1.688582672 0.099348096 0.507000775 -5.592504158 stable

GP1BA -0.317190797 8.90538052 -1.688275455 0.099407504 0.507093836 -5.592995344 stable

KCNN4 -0.250067318 8.928132549 -1.688265394 0.09940945 0.507093836 -5.593011428 stable

ABR 0.102633944 9.614021026 1.688006079 0.099459619 0.507239745 -5.593425967 stable

LOC101927305 0.046929003 2.996022868 1.687607046 0.09953686 0.507477019 -5.594063748 stable

KLF6 0.130151538 12.73561918 1.687399541 0.099577046 0.507477019 -5.594395356 stable

HIATL2 0.104566714 9.760875211 1.687150685 0.099625258 0.507477019 -5.594793 stable

SLC12A6 -0.130588022 8.851356625 -1.687139589 0.099627408 0.507477019 -5.594810729 stable

TAF11 -0.179065053 4.902432236 -1.687124621 0.099630309 0.507477019 -5.594834644 stable

ZNF568 0.148121332 4.506541799 1.687097332 0.099635597 0.507477019 -5.594878245 stable

TP53I11 -0.168569021 6.440728847 -1.686795325 0.099694137 0.507566687 -5.595360736 stable

TMEM167B -0.063472335 11.75792551 -1.686630755 0.099726049 0.507566687 -5.595623625 stable

MS4A3 -0.645534513 8.440081885 -1.686483523 0.099754606 0.507566687 -5.595858798 stable

PDZK1IP1 -0.524711155 9.225898668 -1.686420778 0.099766778 0.507566687 -5.595959015 stable

NME4 -0.260282545 9.261206913 -1.686346889 0.099781114 0.507566687 -5.596077028 stable

RPRD2 -0.087530118 10.58767166 -1.686338828 0.099782678 0.507566687 -5.596089903 stable

GLYR1 -0.094633173 10.47082628 -1.686030231 0.099842569 0.507622873 -5.59658273 stable

DPH3P1 0.024674071 2.922319175 1.685744303 0.099898087 0.507622873 -5.597039287 stable

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UBE2G1 0.068713265 10.74554903 1.685679309 0.099910711 0.507622873 -5.597143057 stable

CHL1-AS1 0.007875823 2.871156507 1.685514516 0.099942723 0.507622873 -5.59740615 stable

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ABCC2 0.058803662 2.781633191 1.685360516 0.099972647 0.507622873 -5.597651995 stable

SALL3 0.00558828 2.289867295 1.685317404 0.099981025 0.507622873 -5.597720814 stable

STEAP1 -0.030409317 3.137417563 -1.685281731 0.099987958 0.507622873 -5.597777758 stable

UPP2 0.003953312 2.366215384 1.684952219 0.100052019 0.507838485 -5.598303701 stable

TAPT1 -0.150334745 4.020095776 -1.684773664 0.100086746 0.507905147 -5.598588659 stable

PLA2G12B -0.019104389 2.423767769 -1.684569256 0.100126514 0.507997352 -5.598914845 stable

LOC101928852 /// ZNF720 0.102122601 8.748278089 1.684132579 0.100211513 0.508318954 -5.599611563 stable

AJUBA 0.127735686 3.05323328 1.683691899 0.100297352 0.508568017 -5.600314508 stable

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IQCF3 /// IQCF4 0.016652993 3.289480551 1.68342366 0.100349631 0.508690446 -5.60074231 stable

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SCAMPER 0.002699693 2.227481159 1.682164865 0.10059527 0.509606147 -5.602749114 stable

TMC5 0.01367911 3.040650552 1.681500297 0.100725153 0.510154248 -5.603808064 stable

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KDM3A 0.109428392 10.74858583 1.681123339 0.100798888 0.510198114 -5.604408564 stable

DAD1 -0.110736624 12.00282243 -1.680837768 0.100854776 0.510371168 -5.604863405 stable

TRIM67 -0.072435999 3.237015766 -1.68053659 0.100913747 0.510559742 -5.605343033 stable

PSG11 /// PSG3 0.003627186 2.32233743 1.680143328 0.100990791 0.510839653 -5.605969193 stable

UCA1 -0.005480197 2.159474459 -1.679824724 0.101053244 0.510938193 -5.606476389 stable

SERINC2 -0.032992693 3.530119335 -1.679822312 0.101053717 0.510938193 -5.606480228 stable

LOC101930421 -0.021643422 2.945098093 -1.679711384 0.101075469 0.510938341 -5.606656798 stable

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SLIT2-IT1 0.003355869 2.39495286 1.678774972 0.101259244 0.511513491 -5.608146933 stable

MBLAC1 -0.03751967 4.246037559 -1.678688467 0.101276235 0.511513491 -5.608284554 stable

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SRSF8 -0.129396473 11.02755819 -1.678163358 0.101379426 0.511669325 -5.609119822 stable

COX18 0.060746811 9.566053899 1.678088699 0.101394104 0.511669325 -5.60923856 stable

ASCL1 -0.016570567 2.637716138 -1.677744864 0.101461727 0.511900748 -5.60978534 stable

AIDA -0.085719791 11.25972852 -1.677353741 0.101538696 0.512179213 -5.610407202 stable

MS4A15 0.014755523 2.373946518 1.677146718 0.101579456 0.512221106 -5.610736306 stable

LUZP1 0.132348452 2.771903245 1.67709035 0.101590556 0.512221106 -5.610825906 stable

GABPB1-AS1 -0.387895187 9.155997198 -1.676775155 0.101652644 0.512424312 -5.611326888 stable

ADPRHL2 0.186121663 9.069089199 1.676638497 0.101679573 0.512450234 -5.611544073 stable

ZCCHC5 0.003236029 2.295835524 1.676288256 0.101748617 0.512688351 -5.612100623 stable

FOXN3-AS2 0.003252382 2.27752203 1.675992009 0.101807047 0.512872897 -5.612571296 stable

LOC102724884 /// LOC728613 /// PDCD6 -0.197805048 9.55664283 -1.675668611 0.101870864 0.513084495 -5.613085025 stable

LOC221272 0.062098578 4.986757675 1.675548212 0.101894631 0.51309433 -5.61327626 stable

RAD21 0.058721702 11.78983509 1.674960747 0.102010664 0.513470234 -5.61420919 stable

MSTO1 -0.124346834 8.217953463 -1.674846214 0.102033299 0.513470234 -5.614391043 stable

EBI3 -0.058934782 2.623807045 -1.674582718 0.102085388 0.513470234 -5.614809375 stable

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MEX3B 0.041446056 2.98210518 1.674343396 0.102132718 0.513470234 -5.615189278 stable

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SULT1C2 0.003313218 2.419823302 1.673977232 0.102205167 0.513470234 -5.61577044 stable

LOC101930075 /// PKD1 -0.128688632 5.193781055 -1.67397549 0.102205512 0.513470234 -5.615773204 stable

AHSA2 -0.214306714 10.30210659 -1.673948012 0.10221095 0.513470234 -5.615816811 stable

KIAA0195 /// MIR6785 -0.05987991 8.939855315 -1.673712006 0.102257671 0.513470234 -5.616191328 stable

C19orf73 0.038002918 2.502771564 1.673676599 0.102264682 0.513470234 -5.616247512 stable

LOC101060233 /// OPN1LW /// OPN1MW /// OPN1MW2 0.003263546 2.278459988 1.673522579 0.102295184 0.513470234 -5.616491897 stable

DSTN 0.141347652 11.46673969 1.673402139 0.102319041 0.513470234 -5.616682986 stable

ASH1L 0.126797227 6.911309536 1.673397874 0.102319886 0.513470234 -5.616689752 stable

RP11-809F4.3 0.008787813 2.897699746 1.673345631 0.102330236 0.513470234 -5.616772637 stable

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SNORA5B /// TBRG4 0.108735467 8.725537774 1.673294351 0.102340396 0.513470234 -5.616853991 stable

SCARNA17 0.364068578 8.835643849 1.673099729 0.102378964 0.513554191 -5.617162735 stable

XKR8 0.09925401 10.06743707 1.672464096 0.102505008 0.513989816 -5.618170872 stable

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FUNDC2 -0.054309604 11.57556478 -1.672094647 0.102578328 0.513989816 -5.618756679 stable

TINAGL1 0.02563458 2.929917812 1.67207075 0.102583072 0.513989816 -5.618794567 stable

KIAA1033 -0.080104873 10.50105531 -1.672065678 0.102584079 0.513989816 -5.618802608 stable

GALNT7 0.096034269 10.00188948 1.672000995 0.102596921 0.513989816 -5.618905159 stable

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MOXD1 -0.142078928 3.88650646 -1.670613021 0.102872804 0.51471415 -5.621104859 stable

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MGC32805 0.008273631 2.542755683 1.670129093 0.102969137 0.514748136 -5.621871431 stable

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TRMT10B -0.106817001 4.482914046 -1.669758322 0.103042994 0.514748136 -5.622458625 stable

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LOC100506047 0.084048393 2.497417245 1.66938377 0.10311765 0.514748136 -5.623051693 stable

CELF3 -0.046474266 1.911631579 -1.669249383 0.103144446 0.514748136 -5.623264453 stable

LOC100996506 /// RETSAT 0.178827673 7.471767271 1.668866887 0.103220747 0.514748136 -5.623869939 stable

SYNGAP1 -0.161100793 5.929978358 -1.668734593 0.103247149 0.514748136 -5.62407933 stable

RPN1 0.141658177 10.68713632 1.668732228 0.103247621 0.514748136 -5.624083074 stable

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TIPRL 0.117091044 8.59097713 1.668550474 0.103283901 0.514748136 -5.624370725 stable

GABPA 0.066541442 8.576145155 1.668538074 0.103286377 0.514748136 -5.624390349 stable

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AZGP1 /// AZGP1P1 -0.142164939 4.022057137 -1.668482828 0.103297407 0.514748136 -5.624477779 stable

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FBXO6 0.29627314 9.112470501 1.667915207 0.103410793 0.514884351 -5.625375913 stable

EFCAB13 -0.14042574 3.307659276 -1.667659866 0.103461832 0.514884351 -5.625779848 stable

DPF2 0.093751265 10.27871709 1.667536428 0.103486513 0.514884351 -5.625975102 stable

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HOXB6 0.013722053 2.47067341 1.667364383 0.103520921 0.514884351 -5.626247218 stable

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TMEM59 0.069393859 12.19159861 1.667158514 0.103562107 0.514884351 -5.626572804 stable

MARK4 -0.082037982 8.280230794 -1.66708805 0.103576207 0.514884351 -5.626684235 stable

MBLAC2 0.133716448 3.705107484 1.667041991 0.103585424 0.514884351 -5.62675707 stable

TMSB15A /// TMSB15B -0.148866477 2.907418821 -1.666640213 0.103665855 0.515175276 -5.627392348 stable

RCN2 0.132169037 9.989089394 1.666303505 0.1037333 0.515401555 -5.627924638 stable

POLR3K 0.139263389 9.03252296 1.666029064 0.1037883 0.515536955 -5.628358423 stable

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LOC101927760 0.00694142 2.649785182 1.665748192 0.103844613 0.515536955 -5.628802309 stable

MRPL49P1 /// MRPL49P1 0.008349667 2.80003456 1.665663769 0.103861544 0.515536955 -5.628935718 stable

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DHRS2 -0.050714305 5.176621329 -1.665511633 0.103892061 0.515536955 -5.629176113 stable

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MIR3663HG 0.004984391 2.769941123 1.665259828 0.103942587 0.515568772 -5.629573958 stable

DLL1 0.381015869 5.259679156 1.66512581 0.103969486 0.515568772 -5.629785682 stable

DMRT3 0.011226893 3.11157098 1.665028351 0.103989052 0.515568772 -5.62993964 stable

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PXYLP1 0.179068885 8.919180027 1.664646293 0.10406578 0.515683553 -5.630543109 stable

DSP -0.7330631 5.580355928 -1.664591067 0.104076875 0.515683553 -5.63063033 stable

TRMT61B -0.073258099 9.134891704 -1.664490912 0.104096999 0.515683553 -5.630788503 stable

COG5 0.098454988 8.646062874 1.664155539 0.104164407 0.515908826 -5.63131809 stable

SCRIB 0.076922517 8.343393397 1.663913178 0.104213142 0.516041542 -5.631700745 stable

ST8SIA5 0.007885338 2.710375986 1.663667687 0.104262527 0.516177414 -5.632088294 stable

RGS11 0.010771133 2.96721678 1.663384051 0.104319609 0.516351329 -5.632535997 stable

CIART -0.050624398 2.274176646 -1.663175423 0.104361612 0.516394318 -5.632865264 stable

ERVH-1 -0.049559899 5.079521086 -1.663048811 0.104387109 0.516394318 -5.63306507 stable

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KAT8 -0.141422555 7.052063704 -1.662203865 0.104557398 0.517093053 -5.634398149 stable

SLC25A4 0.130780668 7.860600117 1.661781407 0.104642626 0.517405759 -5.635064444 stable

GSTO1 -0.097085282 12.15887393 -1.66144299 0.10471094 0.517615291 -5.635598084 stable

RUSC1 0.094253347 8.32963387 1.661353476 0.104729015 0.517615291 -5.63573922 stable

PLEKHO2 0.226979463 9.929458215 1.660952425 0.104810032 0.517906884 -5.636371476 stable

LOC102724156 0.006546041 2.992770079 1.660705064 0.104860028 0.517999203 -5.636761375 stable

WTIP 0.090568809 2.9085654 1.660642082 0.104872761 0.517999203 -5.636860641 stable

CDR2L -0.074054484 3.802738212 -1.660167522 0.104968741 0.518364427 -5.637608492 stable

LINC00657 -0.182306416 9.817372954 -1.659730355 0.105057223 0.518692475 -5.638297253 stable

LOC101929681 -0.051905507 2.921827251 -1.659105756 0.105183748 0.519208172 -5.63928104 stable

OSBPL11 0.15105402 10.91998874 1.658965898 0.105212096 0.519239135 -5.639501283 stable

NAALADL1 0.134512446 7.180312896 1.658783461 0.105249084 0.519312715 -5.639788552 stable

PEG3 /// ZIM2 0.027983748 3.509472931 1.658478103 0.105311018 0.51943146 -5.640269315 stable

PDK4 -0.238549095 3.653549961 -1.65831077 0.10534497 0.51943146 -5.640532737 stable

ZNF561 /// ZNF562 0.214652829 6.849103202 1.658263088 0.105354646 0.51943146 -5.640607795 stable

FBXO22 -0.14735496 5.008707563 -1.658148187 0.105377966 0.51943146 -5.640788658 stable

CNR2 -0.206153454 5.620416057 -1.658120585 0.105383569 0.51943146 -5.640832103 stable

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ABRA 0.003909295 2.600053984 1.657629592 0.105483273 0.519669565 -5.64160483 stable

TTLL3 0.166092069 5.588143106 1.65745506 0.105518734 0.519669565 -5.641879462 stable

SERINC5 0.106133056 10.73313815 1.65744759 0.105520252 0.519669565 -5.641891216 stable

RASIP1 -0.01025883 2.360406209 -1.657308515 0.105548515 0.519699943 -5.642110035 stable

BC070490 0.012574676 2.806007343 1.657058059 0.105599431 0.519757241 -5.642504061 stable

HEATR4 0.017004605 2.804306247 1.657033878 0.105604347 0.519757241 -5.642542101 stable

LOC158434 0.010546436 3.599599979 1.65662719 0.105687069 0.520047757 -5.643181798 stable

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EDEM1 -0.10040189 10.93985924 -1.655933981 0.105828193 0.520211092 -5.644271864 stable

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BC034444 0.003041564 2.438685007 1.655507498 0.105915095 0.520449958 -5.644942309 stable

LOC101927719 0.025427498 3.028035812 1.655414583 0.105934035 0.520449958 -5.645088354 stable

URM1 -0.090010973 8.905744006 -1.655241637 0.105969297 0.520449958 -5.645360176 stable

UNC13A -0.043568897 4.065609105 -1.655183401 0.105981173 0.520449958 -5.6454517 stable

IPO13 -0.112427369 7.728237917 -1.655092841 0.105999642 0.520449958 -5.645594019 stable

UGT2B4 0.007998947 2.767255087 1.655039031 0.106010618 0.520449958 -5.645678581 stable

LEO1 0.107645606 8.312490271 1.654812034 0.10605693 0.520544318 -5.64603528 stable

PCGF6 0.105919364 8.115267912 1.654727893 0.106074101 0.520544318 -5.646167486 stable

LNP1 -0.112285001 3.337792708 -1.654434026 0.106134088 0.520612969 -5.646629178 stable

KCNA2 -0.037100486 2.668867033 -1.654365837 0.106148011 0.520612969 -5.6467363 stable

KHK 0.00395962 2.543222137 1.654334101 0.106154492 0.520612969 -5.646786153 stable

SNHG22 0.220689619 5.12713491 1.653993248 0.106224116 0.520845829 -5.647321549 stable

ITGA2B -0.406590739 11.25418882 -1.653860286 0.106251286 0.520870467 -5.647530373 stable

FOXP1 -0.317419338 8.806515784 -1.6534362 0.106337983 0.521186852 -5.648196327 stable

SLC25A23 -0.008858939 2.317198433 -1.652815106 0.10646506 0.521527954 -5.649171379 stable

COL4A3 -0.098670296 2.638203334 -1.652715628 0.106485425 0.521527954 -5.649327521 stable

RP5-1098D14.1 -0.073175829 2.344458009 -1.652619895 0.106505027 0.521527954 -5.649477775 stable

ELAC1 -0.152576699 6.402302267 -1.652596884 0.106509739 0.521527954 -5.649513891 stable

IL4 -0.063411756 2.732064562 -1.652554379 0.106518443 0.521527954 -5.649580599 stable

ANGEL1 0.071565085 8.311900925 1.652082726 0.106615067 0.521892404 -5.650320733 stable

GPR157 -0.066989109 2.641605915 -1.651864628 0.106659772 0.5220026 -5.650662917 stable

CTC-429P9.3 -0.10968185 8.467298162 -1.651622388 0.106709443 0.522057577 -5.651042932 stable

MVK -0.115387001 4.893249737 -1.651593364 0.106715396 0.522057577 -5.651088461 stable

RRM2B 0.140912692 8.166881079 1.651240119 0.106787866 0.522303474 -5.651642522 stable

C9orf142 0.096930035 8.871334572 1.650426348 0.106954971 0.523012031 -5.652918522 stable

CD84 -0.160760601 9.872659506 -1.650251023 0.106991001 0.523079472 -5.653193361 stable

AMIGO3 /// GMPPB -0.142612223 8.380350134 -1.650135701 0.107014706 0.523086638 -5.653374127 stable

RP3-508D13.1 0.008868178 2.897653372 1.649836294 0.107076271 0.52327882 -5.653843391 stable

C1D 0.096298176 10.12905099 1.649633824 0.107117919 0.523373613 -5.654160681 stable

FDX1 0.065948624 9.49988874 1.649194629 0.107208309 0.52369191 -5.65484883 stable

LOC101928865 -0.109418822 3.850400237 -1.649100963 0.107227594 0.52369191 -5.654995569 stable

TRAPPC2 /// TRAPPC2P1 0.100582268 9.590190348 1.648930953 0.107262605 0.523754148 -5.655261891 stable

CLCN1 -0.033211335 2.581984032 -1.648762789 0.107297246 0.523787943 -5.655525299 stable

MEF2B /// MEF2BNB /// MEF2BNB-MEF2B -0.06694343 5.765375416 -1.648619695 0.107326729 0.523787943 -5.655749419 stable

GAS2L1 -0.332687647 7.557298761 -1.648573091 0.107336333 0.523787943 -5.655822409 stable

FBP2 -0.040485766 3.168395439 -1.648269298 0.107398954 0.523984814 -5.656298155 stable

TBC1D5 -0.075554781 9.924209199 -1.64809952 0.107433963 0.52404692 -5.656563998 stable

LOC101929413 0.005065237 2.312793027 1.647465069 0.107564875 0.5245767 -5.657557228 stable

LINC00619 0.009061165 2.640862821 1.647173538 0.107625073 0.524761472 -5.658013505 stable

DLGAP4 -0.126624047 7.558432474 -1.646914986 0.107678484 0.524913084 -5.65841811 stable

GFOD2 -0.087890747 7.202124526 -1.646805812 0.107701044 0.524914267 -5.658588938 stable

RP11-410C4.5 0.028458599 2.523070669 1.646688855 0.107725216 0.524923308 -5.658771934 stable

TMEM184C 0.134034235 9.063146617 1.646376389 0.107789817 0.524989252 -5.659260777 stable

ACSM3 0.116842939 2.899121288 1.646336416 0.107798084 0.524989252 -5.659323306 stable

FIGLA 0.003368006 2.269905708 1.646285031 0.107808711 0.524989252 -5.659403688 stable

MFSD7 -0.031021378 2.413871049 -1.646191636 0.107828029 0.524989252 -5.659549777 stable

ATP1B4 0.014722044 3.217607061 1.645981761 0.107871451 0.525091968 -5.659878043 stable

RPS19 0.042886749 15.12457581 1.645519902 0.107967056 0.525448608 -5.660600306 stable

LINC00466 0.012242717 2.384758292 1.644930227 0.108089221 0.525934332 -5.661522197 stable

COX19 -0.135003719 7.502352811 -1.64445109 0.108188569 0.526308857 -5.662271061 stable

PPP4R1L /// PPP4R1L /// PPP4R1L -0.154386166 6.26014683 -1.644112126 0.108258898 0.526473786 -5.662800729 stable

GUCY1B3 -0.290395683 9.777529098 -1.644071939 0.108267238 0.526473786 -5.662863519 stable

SYCP2 0.126855257 4.498665218 1.643943978 0.108293799 0.526494098 -5.663063442 stable

TATDN1 -0.110768902 9.728885058 -1.643804112 0.108322837 0.526526442 -5.663281951 stable

MDGA2 0.008780448 2.518325911 1.643105214 0.108468035 0.527024572 -5.664373579 stable

SLC13A2 -0.058284596 4.393214397 -1.64309513 0.108470131 0.527024572 -5.664389326 stable

RAB11FIP4 0.10660289 8.920539092 1.642787002 0.108534197 0.527120755 -5.664870468 stable

MOB3C 0.124462531 8.397764887 1.642739631 0.108544049 0.527120755 -5.664944431 stable

CCR2 0.228722055 11.80984375 1.642650304 0.108562629 0.527120755 -5.665083897 stable

MYO15B -0.234585503 8.760630154 -1.642568871 0.10857957 0.527120755 -5.665211033 stable

H3F3A -0.141118107 7.031923102 -1.642384002 0.108618036 0.527131624 -5.665499635 stable

SNHG16 /// SNORD1A /// SNORD1C -0.103165167 10.81487398 -1.642342703 0.108626631 0.527131624 -5.665564104 stable

RBM12 0.067860821 11.69788726 1.642191301 0.108658144 0.527175783 -5.665800433 stable

AC005256.1 -0.006033239 2.557284782 -1.642075762 0.108682197 0.52718374 -5.66598077 stable

CBX3P2 -0.070280217 3.194525657 -1.641945003 0.108709425 0.527207087 -5.666184852 stable

TIMM17A 0.088664083 9.989860171 1.641555812 0.108790497 0.527488764 -5.666792191 stable

FKBP8 -0.101762793 9.282657513 -1.641450907 0.108812358 0.527488764 -5.666955876 stable

KIF26A -0.0385158 3.267478957 -1.641094399 0.108886679 0.527740278 -5.667512073 stable

SS18 0.099692736 10.02865642 1.640886888 0.108929957 0.52784127 -5.667835768 stable

NOG 0.297483702 7.801632937 1.640703459 0.108968225 0.527917944 -5.668121867 stable

CKAP2 /// IGLC1 /// IGLV3-1 /// IGLV3-1 /// IGLV@ -0.474617868 7.400196192 -1.640197009 0.10907394 0.528304538 -5.668911648 stable

SCIN 0.014682838 2.974559266 1.640068511 0.109100776 0.528304538 -5.669112 stable

TAS2R41 0.003538512 2.171984242 1.63999847 0.109115405 0.528304538 -5.6692212 stable

ZNF101 -0.14069053 8.990416627 -1.639807196 0.109155366 0.528389248 -5.669519395 stable

LOC100289019 -0.157532397 7.502970182 -1.639376765 0.109245334 0.528588715 -5.670190324 stable

CILP2 0.035342347 3.338472494 1.63927058 0.109267538 0.528588715 -5.670355814 stable

SLC38A7 -0.111511898 6.658446967 -1.639113774 0.109300334 0.528588715 -5.670600182 stable

WIPF1 0.120801459 11.76033052 1.639001663 0.109323787 0.528588715 -5.670774884 stable

IGHA1 /// IGHA2 /// IGHG1 /// IGHG4 /// IGHM /// IGHV4-31 /// LOC102723407 -0.1155122 4.077815706 -1.638750903 0.10937626 0.528588715 -5.671165605 stable

SDC3 -0.023843436 3.363027763 -1.638611385 0.109405464 0.528588715 -5.671382971 stable

SSC5D -0.052164165 7.878620066 -1.638534412 0.109421578 0.528588715 -5.671502887 stable

MFSD12 -0.165238175 7.772547143 -1.638460804 0.10943699 0.528588715 -5.671617555 stable

LIF -0.030799926 2.975557385 -1.638399592 0.109449808 0.528588715 -5.671712911 stable

LOC100506107 0.005669017 2.80994926 1.638395628 0.109450638 0.528588715 -5.671719085 stable

LINC00689 0.008227375 2.147111683 1.638321244 0.109466216 0.528588715 -5.671834955 stable

CA13 /// LOC100507258 -0.177117891 7.562726375 -1.63832109 0.109466248 0.528588715 -5.671835194 stable

CELSR2 0.083624845 2.49385524 1.638141384 0.109503891 0.528661949 -5.672115106 stable

MYO1F 0.120842512 13.29620619 1.637617562 0.109613675 0.52908145 -5.672930865 stable

XPO7 -0.081771289 9.874352867 -1.637512182 0.109635772 0.52908145 -5.673094949 stable

RP11-305K5.1 -0.185688316 6.666077104 -1.636774158 0.109790628 0.529687927 -5.67424384 stable

PDCL3 /// PDCL3P4 -0.090750895 10.16189978 -1.636698397 0.109806535 0.529687927 -5.674361754 stable

SLC12A8 0.011728966 2.742042942 1.636591391 0.109829005 0.529687927 -5.674528286 stable

CLIC1 0.103928002 13.45940355 1.636158883 0.109919865 0.530017457 -5.675201303 stable

NBPF10 /// NBPF11 /// NBPF12 /// NBPF14 /// NBPF15 /// NBPF20 /// NBPF8 /// NBPF9 -0.088184488 12.96638547 -1.635991577 0.109955029 0.530078345 -5.675461602 stable

CHD7 -0.18445794 7.896712855 -1.635772626 0.110001062 0.530191593 -5.675802218 stable

CC2D2B -0.063481138 2.765590728 -1.635403799 0.11007864 0.530294506 -5.676375902 stable

ZSCAN31 0.047925219 2.83085796 1.635339468 0.110092176 0.530294506 -5.676475952 stable

EZH2 0.159518066 6.791628378 1.635192273 0.110123152 0.530294506 -5.676704864 stable

AGO2 /// CASC7 /// CASC7 0.067052594 3.018252726 1.6350568 0.110151668 0.530294506 -5.67691553 stable

STX17 0.071804323 7.162004092 1.634968398 0.11017028 0.530294506 -5.677052992 stable

FAM185A -0.298408897 7.443626892 -1.634940113 0.110176235 0.530294506 -5.677096972 stable

AC005224.2 -0.10198754 2.82747972 -1.634921126 0.110180233 0.530294506 -5.677126495 stable

C6orf48 -0.120166259 12.59207686 -1.634642591 0.110238893 0.530468292 -5.67755955 stable

DMBT1 -0.119442979 3.860319821 -1.633962848 0.110382158 0.530777014 -5.678616118 stable

ZFAND2B -0.066470399 9.64942639 -1.633950946 0.110384668 0.530777014 -5.678634614 stable

ALPI -0.003325434 2.399509915 -1.633888307 0.110397878 0.530777014 -5.678731958 stable

CTRL -0.132030558 5.139166096 -1.633844516 0.110407113 0.530777014 -5.678800009 stable

ALS2 0.010304782 2.839780271 1.633740336 0.110429088 0.530777014 -5.678961899 stable

CHST11 -0.124233002 9.378755451 -1.633695974 0.110438447 0.530777014 -5.679030834 stable

SNRNP200 -0.156727004 9.654821674 -1.633294864 0.110523093 0.531075315 -5.679654036 stable

P2RX1 -0.24667967 9.531518149 -1.632967313 0.110592255 0.531148609 -5.680162852 stable

BC042374 0.008630944 2.647947139 1.632949479 0.110596022 0.531148609 -5.680190553 stable

LOC101927948 0.006003053 2.103208752 1.63262158 0.110665296 0.531148609 -5.680699816 stable

SH3RF1 0.208251117 3.807243453 1.632560559 0.110678191 0.531148609 -5.680794578 stable

PIM1 0.123441533 10.88592776 1.632525756 0.110685546 0.531148609 -5.680848624 stable

WDR19 0.009774344 3.052629175 1.632518958 0.110686983 0.531148609 -5.68085918 stable

RP4-794H19.1 0.005075936 2.263152811 1.632474313 0.110696419 0.531148609 -5.680928509 stable

ARIH2 0.106749766 7.645375966 1.631946919 0.110807939 0.531549116 -5.681747358 stable

DDX39A -0.079654016 11.29229263 -1.631640416 0.110872793 0.531549116 -5.682223139 stable

DCAF16 -0.174254294 6.474709163 -1.631516854 0.110898947 0.531549116 -5.682414922 stable

LOC100132356 -0.248801058 3.530842624 -1.631473145 0.1109082 0.531549116 -5.682482758 stable

HNRNPH3 -0.100173379 10.30432947 -1.63141964 0.110919527 0.531549116 -5.682565799 stable

MGC15885 0.003163923 2.101775263 1.631375741 0.110928822 0.531549116 -5.682633928 stable

MAB21L1 /// MIR548F5 0.004166369 2.389157399 1.631229622 0.110959764 0.531549116 -5.682860689 stable

GMCL1 0.080090818 10.14279935 1.631220549 0.110961685 0.531549116 -5.682874768 stable

SNORA78 -0.047016506 1.965492248 -1.631118593 0.110983279 0.531549116 -5.68303298 stable

RP11-212P7.2 -0.149100114 3.832912437 -1.630754252 0.111060475 0.531744239 -5.683598284 stable

RP11-473I1.9 -0.104630698 7.728324553 -1.630712926 0.111069234 0.531744239 -5.683662398 stable

RPS7 0.029746877 15.46808158 1.630559303 0.111101798 0.5317919 -5.683900718 stable

CCDC144A 0.012927725 3.236683506 1.629861092 0.111249902 0.532198846 -5.684983627 stable

RASL10A 0.015248923 2.667973086 1.629799008 0.111263078 0.532198846 -5.685079898 stable

PSMB10 0.110203175 11.33024347 1.629780634 0.111266979 0.532198846 -5.68510839 stable

GNAI1 0.057135794 3.724424581 1.629689185 0.111286391 0.532198846 -5.685250189 stable

RP11-68I3.11 -0.271729473 6.203914685 -1.629625318 0.11129995 0.532198846 -5.685349215 stable

ZSCAN22 0.262829856 5.92423753 1.629466903 0.111333588 0.532251487 -5.685594827 stable

AL928768.3 /// Ig alpha 1-[alpha]2m /// IGH -0.422949789 9.550852115 -1.629039375 0.11142441 0.532575116 -5.686257574 stable

PTPRK -0.422688871 6.601784278 -1.628935116 0.111446568 0.532575116 -5.686419172 stable

ZNF490 0.101117242 6.883633647 1.628707389 0.111494978 0.532692714 -5.686772109 stable

PWAR6 -0.280295582 7.662106872 -1.628604014 0.111516959 0.532692714 -5.686932308 stable

OAZ3 0.003426352 2.425697584 1.628408824 0.111558473 0.532692714 -5.687234768 stable

ERGIC2 0.098153986 10.02755011 1.628283851 0.111585059 0.532692714 -5.687428406 stable

LSMEM1 -0.105099685 3.064815616 -1.628144622 0.111614685 0.532692714 -5.687644117 stable

CTD-2287O16.5 0.00359795 2.348845866 1.628139405 0.111615795 0.532692714 -5.6876522 stable

TCEAL8 0.096839949 9.185814627 1.628074024 0.111629709 0.532692714 -5.68775349 stable

CCNK -0.125809116 4.462922029 -1.627552616 0.111740725 0.533114317 -5.688561147 stable

CAPN1 -0.123153534 10.12029918 -1.627180361 0.111820039 0.533384532 -5.68913763 stable

RP11-18F14.4 0.006987492 2.847589618 1.626641518 0.111934928 0.533515006 -5.68997189 stable

GGCT -0.072881544 10.34524391 -1.626609079 0.111941848 0.533515006 -5.690022106 stable

SAFB2 -0.076682403 7.74259993 -1.626598304 0.111944146 0.533515006 -5.690038786 stable

PREX2 0.002919237 2.376099706 1.626496765 0.111965808 0.533515006 -5.690195962 stable

COMMD5 0.247795945 7.044049897 1.626441024 0.111977701 0.533515006 -5.690282242 stable

SHPRH 0.119108953 9.094968895 1.626369479 0.111992968 0.533515006 -5.690392981 stable

C3orf79 0.00615956 2.638973027 1.626307619 0.112006169 0.533515006 -5.690488726 stable

STAMBP 0.085374096 9.646457302 1.625979553 0.112076202 0.533740502 -5.690996445 stable

ACSS2 -0.157616741 9.03429774 -1.625732016 0.112129067 0.533826038 -5.691379477 stable

MED9 0.139302568 5.697887227 1.625630627 0.112150727 0.533826038 -5.691536348 stable

LOC101929655 -0.034580181 3.472620598 -1.625576692 0.11216225 0.533826038 -5.691619794 stable

TULP1 -0.017584144 2.182019227 -1.625134032 0.112256861 0.534126676 -5.69230457 stable

LOC101927841 -0.137008833 4.357370355 -1.625068684 0.112270834 0.534126676 -5.692405646 stable

RPL7 0.019265198 15.75217194 1.624831486 0.112321563 0.534138239 -5.692772501 stable

LOC101930114 0.049696363 3.018707984 1.624756481 0.112337608 0.534138239 -5.692888495 stable

RP1-135L22.1 -0.014421721 3.134708259 -1.624738798 0.112341391 0.534138239 -5.692915841 stable

IWS1 0.066507356 9.440946882 1.624523421 0.112387477 0.534249362 -5.693248891 stable

CD99P1 -0.130761777 6.103521903 -1.624189143 0.112459035 0.534371111 -5.693765727 stable

LOC101060429 /// LOC101930013 /// LOC101930075 /// LOC399491 /// NPIPA1 /// NPIPA2 /// NPIPA3 /// NPIPA5 /// NPIPA7 /// NPIPA8 /// PKD1 /// PKD1P1 -0.06363709 3.111082707 -1.62399014 0.112501652 0.534371111 -5.694073366 stable

BC042372 /// RP11-45P15.4 0.065395853 3.681189065 1.62389993 0.112520976 0.534371111 -5.694212812 stable

LOC285074 /// LOC730268 -0.152631803 9.46476867 -1.623899295 0.112521112 0.534371111 -5.694213793 stable

LOC153682 0.16347278 5.912105842 1.623584438 0.112588577 0.534371111 -5.694700442 stable

DSG2 0.002874085 2.441117806 1.623497433 0.112607226 0.534371111 -5.694834904 stable

SMIM1 -0.097735227 5.811704841 -1.623350631 0.112638697 0.534371111 -5.695061766 stable

SLFN12 0.35388892 8.122086571 1.623315274 0.112646278 0.534371111 -5.695116402 stable

AEBP2 0.108870601 10.13836421 1.62321607 0.11266755 0.534371111 -5.695269695 stable

NKAIN2 0.002997314 2.221964709 1.623000824 0.112713717 0.534371111 -5.695602269 stable

SERPINE1 0.018210105 3.588564149 1.622927913 0.112729359 0.534371111 -5.695714914 stable

GRK7 0.004029585 2.488465898 1.622798579 0.11275711 0.534371111 -5.695914721 stable

TAF7L 0.002818714 2.347548389 1.622784022 0.112760234 0.534371111 -5.69593721 stable

ZNF800 -0.105320334 8.836705981 -1.622735128 0.112770726 0.534371111 -5.69601274 stable

B3GAT3 0.166802906 8.213466693 1.62272129 0.112773696 0.534371111 -5.696034117 stable

FLJ31104 -0.00643382 2.334076256 -1.622362126 0.112850799 0.534371111 -5.69658889 stable

INO80E -0.071654556 9.992824611 -1.622334831 0.11285666 0.534371111 -5.696631046 stable

CD70 -0.151041982 4.583508875 -1.622303562 0.112863375 0.534371111 -5.696679339 stable

CEP44 0.097395717 8.953786616 1.622280773 0.11286827 0.534371111 -5.696714535 stable

IL20RA 0.00394732 2.739243459 1.622167168 0.11289267 0.534371111 -5.696889982 stable

PRG2 -0.077857737 2.30201539 -1.622117477 0.112903344 0.534371111 -5.696966719 stable

STX1A 0.019322381 2.506240666 1.622072972 0.112912904 0.534371111 -5.697035446 stable

LOC100996843 0.005535747 2.662289564 1.621895179 0.112951105 0.534423319 -5.697309987 stable

RP11-425D10.10 -0.030028139 2.422988561 -1.62181015 0.112969378 0.534423319 -5.697441276 stable

IMPG2 0.00512711 2.638968614 1.621565206 0.113022031 0.534552198 -5.697819449 stable

PRR3 0.19633758 6.253377754 1.621471988 0.113042075 0.534552198 -5.697963356 stable

C3orf70 0.00402793 2.85163202 1.621262839 0.113087056 0.534657414 -5.698286209 stable

SEMA3G -0.047071224 3.38582943 -1.62097424 0.113149148 0.534703892 -5.698731644 stable

ZNRF3 0.03287675 2.81901965 1.620930845 0.113158487 0.534703892 -5.698798616 stable

DIRC3 -0.010788742 2.99706875 -1.620875363 0.113170427 0.534703892 -5.698884238 stable

ERV3-2 -0.284128677 7.025585244 -1.620794566 0.113187819 0.534703892 -5.699008924 stable

AP2B1 0.084850454 10.58905406 1.620644358 0.113220156 0.534749255 -5.699240712 stable

ADIPOR2 0.107169683 9.81320766 1.620378531 0.113277403 0.534912225 -5.699650867 stable

FXN 0.086667439 8.807428643 1.620213235 0.113313012 0.534972973 -5.699905879 stable

TMPRSS5 0.016379006 2.623253963 1.620074724 0.113342858 0.535006494 -5.70011955 stable

PLSCR3 /// TMEM256-PLSCR3 -0.094150071 10.17359185 -1.6197927 0.113403647 0.535186034 -5.700554561 stable

FAM3D -0.096166051 4.375638176 -1.619474019 0.11347237 0.535267324 -5.701046033 stable

NBPF10 /// NBPF11 /// NBPF14 /// NBPF15 /// NBPF19 /// NBPF20 /// NBPF25P /// NBPF26 /// NBPF8 /// NBPF9 -0.112317745 12.89001569 -1.619457451 0.113475944 0.535267324 -5.701071582 stable

RUNX2 0.051863432 3.126529471 1.619337405 0.113501841 0.535267324 -5.701256695 stable

SUV39H1 0.172221363 6.868421528 1.619290782 0.113511901 0.535267324 -5.701328584 stable

POM121 -0.194134713 7.875828192 -1.618983638 0.113578187 0.535472545 -5.701802138 stable

PRRG2 -0.035666165 2.31346176 -1.618520328 0.113678236 0.535757554 -5.70251632 stable

NIT2 -0.102935384 9.242679885 -1.618458437 0.113691606 0.535757554 -5.70261171 stable

TSC1 -0.054631778 9.391380936 -1.618387313 0.113706973 0.535757554 -5.702721326 stable

BAG1 -0.091131791 9.301016285 -1.618035323 0.113783047 0.536008622 -5.703263753 stable

UPF3B -0.056368963 9.131629312 -1.61733971 0.113933509 0.536491957 -5.70433541 stable

C1orf35 -0.073034307 8.743307434 -1.617287631 0.113944781 0.536491957 -5.704415626 stable

TAF6L 0.097570841 5.911579626 1.617244686 0.113954076 0.536491957 -5.704481771 stable

CCDC121 0.048367294 4.202178999 1.617029882 0.114000578 0.53653768 -5.704812599 stable

KCTD20 -0.160158129 9.182965691 -1.616989095 0.11400941 0.53653768 -5.704875411 stable

CKB 0.235061606 6.553486894 1.61673116 0.114065273 0.536572929 -5.705272608 stable

IQCH-AS1 0.096708607 6.112105961 1.616589688 0.114095923 0.536572929 -5.705490438 stable

PIGG -0.099787377 6.771025405 -1.616540973 0.114106478 0.536572929 -5.705565442 stable

CHMP1A 0.075229569 10.08606925 1.616533259 0.11410815 0.536572929 -5.705577319 stable

GLA -0.163008843 9.758276408 -1.616029522 0.114217347 0.536979058 -5.706352784 stable

RP1-179N16.6 -0.118220647 5.381228827 -1.615676555 0.114293913 0.537230093 -5.706896024 stable

C6orf211 0.13509463 10.28807519 1.615522979 0.114327239 0.537230093 -5.707132357 stable

RBM45 -0.085370748 8.245154645 -1.615100436 0.114418974 0.537230093 -5.707782489 stable

LOC101928909 0.013920041 2.851510238 1.614853247 0.114472667 0.537230093 -5.70816275 stable

BTBD18 0.070158063 3.27376437 1.614734839 0.114498394 0.537230093 -5.708344883 stable

RAG1 0.007673607 2.8416215 1.614632254 0.114520687 0.537230093 -5.708502669 stable

LOC101927382 /// PAX8-AS1 -0.149161679 2.863782966 -1.614622796 0.114522743 0.537230093 -5.708517217 stable

RAI14 0.004648124 2.353054911 1.614566716 0.114534931 0.537230093 -5.708603468 stable

BC030116 /// RP11-716O23.1 0.008496299 2.732755458 1.614520321 0.114545016 0.537230093 -5.708674824 stable

LOC142937 -0.060473269 3.144053035 -1.614458867 0.114558375 0.537230093 -5.708769335 stable

RP11-798M19.6 0.012054659 3.029762261 1.614180213 0.114618964 0.537230093 -5.709197848 stable

SLC25A51 0.148697987 5.141909885 1.614170281 0.114621124 0.537230093 -5.70921312 stable

TTC14 -0.166726027 10.23857753 -1.613743897 0.114713888 0.537230093 -5.709868683 stable

AARSD1 /// PTGES3L /// PTGES3L-AARSD1 -0.134096296 6.82570527 -1.613720778 0.114718919 0.537230093 -5.709904224 stable

HOMER1 0.1995909 4.988855846 1.613661405 0.114731841 0.537230093 -5.709995496 stable

IGSF1 -0.006073888 2.672052638 -1.613636572 0.114737247 0.537230093 -5.710033671 stable

AVEN 0.119671122 7.921299152 1.613573926 0.114750883 0.537230093 -5.71012997 stable

DGCR7 0.040581816 3.461195725 1.613570757 0.114751573 0.537230093 -5.710134841 stable

CASZ1 0.074542319 4.717528568 1.613542022 0.114757829 0.537230093 -5.710179011 stable

DKKL1P1 /// DKKL1P1 -0.003096504 2.384965603 -1.613379909 0.114793125 0.537230093 -5.710428192 stable

LINC00939 0.006649834 2.819527371 1.613280308 0.114814815 0.537230093 -5.710581276 stable

AC084219.3 0.006210132 2.462349712 1.613264276 0.114818306 0.537230093 -5.710605916 stable

ZNF354B 0.059375013 3.726413965 1.613196102 0.114833155 0.537230093 -5.710710692 stable

GBP4 0.225355515 9.249392012 1.613106515 0.11485267 0.537230093 -5.710848372 stable

SOCS5 0.091122734 8.323209487 1.61310256 0.114853531 0.537230093 -5.71085445 stable

BLOC1S5-TXNDC5 /// TXNDC5 -0.343699164 11.36146388 -1.612963585 0.11488381 0.537230093 -5.711068015 stable

SDR42E1 0.062777795 3.407072136 1.612946946 0.114887435 0.537230093 -5.711093583 stable

BC039686 -0.032217102 3.398273193 -1.612662021 0.114949534 0.537297141 -5.711531382 stable

ATP5J2-PTCD1 /// PTCD1 0.085226231 7.747275262 1.612503645 0.114984064 0.537297141 -5.711774702 stable

NAE1 -0.102762776 10.88450591 -1.61250234 0.114984348 0.537297141 -5.711776706 stable

FAM111A -0.088281391 10.66247104 -1.612437576 0.114998471 0.537297141 -5.711876202 stable

RHBDD1 -0.088728615 9.277439404 -1.612357243 0.11501599 0.537297141 -5.711999608 stable

FEN1 0.167512779 7.871564862 1.612246092 0.115040234 0.537303683 -5.71217035 stable

DLGAP1 /// LOC102724716 0.004155833 2.606378048 1.611835625 0.1151298 0.53756004 -5.712800785 stable

LRP2 -0.012090698 3.505295301 -1.611785093 0.115140831 0.53756004 -5.712878389 stable

RP11-285F7.2 -0.216196397 10.56133782 -1.611525047 0.115197608 0.537718385 -5.713277709 stable

CWC22 0.092275947 9.600688515 1.611234153 0.115261148 0.537776626 -5.713724333 stable

C6orf120 0.167593204 9.133551107 1.611212659 0.115265844 0.537776626 -5.713757331 stable

NUP188 -0.071670903 8.981115404 -1.611130953 0.115283697 0.537776626 -5.713882764 stable

GK5 0.046983373 3.35999385 1.6110493 0.11530154 0.537776626 -5.714008111 stable

MED10 -0.106837876 8.731855523 -1.610868664 0.115341022 0.53785412 -5.714285387 stable

XRCC1 -0.065844076 8.827611726 -1.610592804 0.115401339 0.538028718 -5.71470878 stable

NFATC3 0.089399767 9.095369656 1.610113435 0.115506213 0.538410948 -5.71544437 stable

FRMD6 0.024514589 2.710914388 1.610004125 0.115530139 0.53841577 -5.715612078 stable

EFNB3 0.002324798 1.834960059 1.609690699 0.115598763 0.538508302 -5.716092897 stable

SLC3A1 -0.051750437 3.096856339 -1.609575708 0.115623948 0.538508302 -5.716269282 stable

SLC10A2 -0.014132253 2.805686687 -1.609499964 0.11564054 0.538508302 -5.716385459 stable

ENTPD6 -0.113524069 8.76143002 -1.60948782 0.1156432 0.538508302 -5.716404084 stable

KIF2B -0.003772981 2.112840207 -1.609168572 0.115713156 0.538508302 -5.716893698 stable

MIR6883 /// PER1 -0.347675938 8.892904579 -1.609005372 0.11574893 0.538508302 -5.717143955 stable

SLC4A8 0.03001071 2.308461353 1.609004418 0.115749139 0.538508302 -5.717145418 stable

PARL -0.099939931 10.32837948 -1.6089336 0.115764666 0.538508302 -5.717254006 stable

RARG 0.097151118 6.823692321 1.608692611 0.115817514 0.538508302 -5.717623493 stable

RP11-676J12.4 -0.034768992 2.168876532 -1.608671276 0.115822194 0.538508302 -5.717656202 stable

TRIM44 -0.268549323 6.432264494 -1.608653256 0.115826146 0.538508302 -5.717683828 stable

MIR1-2 /// MIR133A1 /// MIR133A1HG 0.00795848 2.895901921 1.608620322 0.115833371 0.538508302 -5.717734319 stable

MAK16 0.103729481 8.940306866 1.608401405 0.115881402 0.538508302 -5.718069911 stable

TMEM222 -0.094137306 9.106948248 -1.60827201 0.115909799 0.538508302 -5.71826825 stable

LOC100996671 -0.026393011 2.844984057 -1.608244562 0.115915823 0.538508302 -5.71831032 stable

TM2D1 -0.196623202 6.865147843 -1.607970789 0.115975927 0.538508302 -5.718729912 stable

SLC11A2 -0.146812235 8.339301637 -1.607883902 0.115995007 0.538508302 -5.718863064 stable

NBPF3 0.041116639 2.813320203 1.607841549 0.116004309 0.538508302 -5.718927967 stable

LTC4S -0.051167303 2.792917138 -1.607616825 0.116053673 0.538508302 -5.719272315 stable

MEF2D 0.11197878 7.44395853 1.60760336 0.116056632 0.538508302 -5.719292946 stable

ISCU -0.064917093 12.95787308 -1.607574081 0.116063064 0.538508302 -5.719337806 stable

IGK -0.317826571 7.766560872 -1.607541049 0.116070323 0.538508302 -5.719388418 stable

LOC441454 -0.06062703 3.699820811 -1.6075126 0.116076574 0.538508302 -5.719432005 stable

FOCAD 0.163833538 8.009002749 1.607251316 0.116134 0.53866847 -5.719832298 stable

STOX1 0.013681246 2.903703013 1.606869677 0.11621792 0.538951438 -5.720416875 stable

DFNA5 -0.133690405 2.902626581 -1.606705424 0.116254053 0.539012732 -5.720668433 stable

NPTXR 0.132235379 4.472311038 1.606129324 0.11638086 0.539415683 -5.721550569 stable

CAPN15 0.138037805 9.647580245 1.606031877 0.116402321 0.539415683 -5.721699754 stable

SLC16A6 0.153725025 8.356684348 1.605998093 0.116409762 0.539415683 -5.721751474 stable

IGHV7-81 /// IGHV7-81 0.004507193 2.447614468 1.605682296 0.116479335 0.539631757 -5.722234877 stable

OSGEP -0.105050399 8.630552754 -1.605290242 0.116565755 0.539670833 -5.722834893 stable

LRCH4 /// SAP25 -0.194296208 9.528492054 -1.605273871 0.116569365 0.539670833 -5.722859945 stable

OR2I1P /// OR2I1P 0.003396237 2.258592805 1.605228268 0.11657942 0.539670833 -5.722929729 stable

CRTC2 -0.110802416 9.593921254 -1.605138085 0.116599309 0.539670833 -5.723067727 stable

LOC101927495 -0.005151291 2.742548035 -1.605121725 0.116602917 0.539670833 -5.72309276 stable

FBXO24 -0.014346265 2.50755826 -1.60495661 0.116639338 0.539670833 -5.723345396 stable

MYO7A -0.194835815 3.254540801 -1.604902389 0.1166513 0.539670833 -5.723428354 stable

SHISA5 0.061574841 12.19026098 1.604808546 0.116672006 0.539670833 -5.723571926 stable

COX17 /// POPDC2 0.124073475 9.751420206 1.60470767 0.116694267 0.539670833 -5.723726249 stable

IDI1 0.107506369 11.22202077 1.60415891 0.116815427 0.540124957 -5.724565615 stable

STK4 0.143773206 7.070367434 1.603624067 0.116933613 0.540565153 -5.725383452 stable

TAF15 0.132990232 9.331229422 1.603296611 0.117006019 0.540753481 -5.725884051 stable

LOC100506469 -0.14362437 5.305180153 -1.60303322 0.117064287 0.540753481 -5.726286647 stable

MIR7515 /// MIR7515HG 0.039953397 2.895987234 1.602944393 0.117083942 0.540753481 -5.726422406 stable

PRR34-AS1 -0.121142286 8.39807948 -1.602913245 0.117090836 0.540753481 -5.726470011 stable

LOC441204 0.004581323 2.591854046 1.602855241 0.117103673 0.540753481 -5.726558656 stable

SRF 0.108410324 4.822668005 1.602813426 0.117112928 0.540753481 -5.72662256 stable

PPP2R5A 0.093197269 5.560813611 1.602663379 0.117146143 0.540753481 -5.726851855 stable

AP3S1 -0.06649513 11.95706895 -1.602608592 0.117158273 0.540753481 -5.726935572 stable

RORB 0.002901835 2.167463408 1.602361784 0.117212929 0.540899609 -5.727312681 stable

NR4A1 0.323958781 8.05727737 1.60191922 0.117310988 0.540923159 -5.727988767 stable

KLK1 -0.192450464 5.596770937 -1.601897162 0.117315877 0.540923159 -5.72802246 stable

CLCA4 0.006733021 2.949769647 1.601835097 0.117329635 0.540923159 -5.728117259 stable

ZSWIM8 0.089761242 9.861988673 1.601826043 0.117331642 0.540923159 -5.728131089 stable

ILF3 -0.066963732 8.954534228 -1.601752838 0.117347871 0.540923159 -5.728242899 stable

MIR4435-1HG -0.045726235 5.637143191 -1.601716094 0.117356017 0.540923159 -5.728299019 stable

LINC00269 -0.021585284 2.889671006 -1.601594933 0.117382883 0.540940985 -5.728484062 stable

DMRTA1 0.003940629 2.375704711 1.601440091 0.117417224 0.540993247 -5.728720526 stable

CHCHD4 0.174315225 8.322899705 1.601210061 0.117468256 0.541077608 -5.729071776 stable

HMGXB3 -0.091000586 8.631510459 -1.601129454 0.117486143 0.541077608 -5.729194851 stable

ZNF639 -0.053131976 5.65395313 -1.601019152 0.117510623 0.541077608 -5.729363257 stable

IPO5 0.119007529 6.49006344 1.600942891 0.11752755 0.541077608 -5.729479683 stable

H2AFZ 0.065980109 12.19443789 1.599716373 0.117800069 0.542226109 -5.731351527 stable

SYCP1 0.004081304 2.573884022 1.599303468 0.117891927 0.542542756 -5.731981398 stable

RHPN1-AS1 0.011770588 2.056608979 1.599141277 0.117928026 0.542602718 -5.732228774 stable

JMJD7-PLA2G4B /// PLA2G4B -0.100911464 8.870955105 -1.598880187 0.117986155 0.542612563 -5.732626949 stable

IKZF5 -0.069001683 9.085595324 -1.598875424 0.117987216 0.542612563 -5.732634212 stable

ACR -0.028568152 2.659831091 -1.59875058 0.11801502 0.542612563 -5.732824584 stable

TOPORS-AS1 -0.06527963 9.811352956 -1.598717253 0.118022443 0.542612563 -5.732875401 stable

FUT8 0.203854833 6.996432321 1.598398076 0.118093554 0.542806985 -5.73336204 stable

ECD 0.080026817 9.048622241 1.598303904 0.118114542 0.542806985 -5.733505605 stable

CD79B -0.042929919 3.793800645 -1.598143891 0.11815021 0.542806985 -5.733749526 stable

TRIL 0.005996897 2.238831061 1.598113251 0.118157041 0.542806985 -5.733796231 stable

NXPH1 0.00911397 2.775420298 1.597985348 0.11818556 0.542831975 -5.733991186 stable

CUZD1 0.178414924 2.740586506 1.597870076 0.118211267 0.542844046 -5.734166878 stable

QTRT1 -0.135764128 7.557951043 -1.597726108 0.11824338 0.542885523 -5.734386289 stable

OR1J2 0.017227918 3.840887862 1.597062927 0.118391398 0.54345903 -5.735396775 stable

ADRBK2 -0.189938955 8.299562299 -1.596776384 0.1184554 0.543646723 -5.735833267 stable

HSD17B7 -0.075709675 10.06263041 -1.596468057 0.118524298 0.543702106 -5.736302864 stable

BV03S1J2.2 /// IL23A /// TCRB /// TCRVB /// TRBC2 /// TRBC2 /// TRBJ2-7 /// TRBJ2-7 /// TRBV19 -0.106581122 6.291414703 -1.596423828 0.118534184 0.543702106 -5.73637022 stable

OPN3 -0.141669088 10.65740027 -1.596412064 0.118536814 0.543702106 -5.736388136 stable

CUL7 -0.111606116 6.6399534 -1.59626547 0.118569586 0.54374639 -5.736611372 stable

OXT -0.056026462 2.313224507 -1.596135369 0.118598677 0.543773778 -5.736809475 stable

ZNF766 0.109981479 9.439879655 1.595975372 0.118634461 0.543800622 -5.737053083 stable

PAGR1 0.05706996 3.206012911 1.595892435 0.118653014 0.543800622 -5.737179353 stable

INTS12 -0.091701889 9.4514833 -1.595799119 0.118673891 0.543800622 -5.737321418 stable

S100A4 0.111282663 14.8789954 1.595695395 0.1186971 0.543801031 -5.737479318 stable

PRRC2C -0.125089308 8.86647978 -1.595359295 0.118772331 0.543917311 -5.737990908 stable

SAT1 /// ZSWIM8 0.070527917 3.158086894 1.595284153 0.118789156 0.543917311 -5.738105272 stable

ARL14EP 0.128424141 9.255975273 1.595230888 0.118801084 0.543917311 -5.738186337 stable

AK057978 /// MKLN1 -0.272135062 8.285664649 -1.595168838 0.11881498 0.543917311 -5.738280769 stable

WFIKKN1 -0.017161927 2.94746879 -1.594614331 0.11893922 0.544380109 -5.739124509 stable

CR1 -0.203334371 8.822230293 -1.594342663 0.119000127 0.544411471 -5.739537787 stable

DAZAP1 0.069606214 10.2157246 1.594300428 0.119009598 0.544411471 -5.739602032 stable

RANGAP1 0.098247835 8.661191302 1.59427407 0.119015509 0.544411471 -5.739642126 stable

WDR63 0.01080925 2.932096901 1.594169548 0.119038952 0.544412829 -5.739801108 stable

PCOLCE-AS1 -0.033593591 3.243176607 -1.593812584 0.119119041 0.544673207 -5.740343998 stable

PSMA4 0.086384565 11.89228464 1.593514538 0.119185946 0.544692195 -5.740797201 stable

TOP2B 0.099929817 11.54232008 1.593381131 0.119215903 0.544692195 -5.741000034 stable

GRAPL 0.432937794 7.203921887 1.593298556 0.119234448 0.544692195 -5.741125573 stable

LOC101929148 0.003487518 2.37044182 1.593256354 0.119243927 0.544692195 -5.741189731 stable

MCAM -0.050263179 3.142736382 -1.593027225 0.119295402 0.544692195 -5.741538039 stable

KIF25-AS1 -0.009238513 2.604625439 -1.592988603 0.119304081 0.544692195 -5.741596746 stable

RP5-1065J22.8 -0.035024265 2.308437812 -1.592986577 0.119304536 0.544692195 -5.741599826 stable

EYA3 -0.136156122 5.491209258 -1.592969134 0.119308456 0.544692195 -5.741626339 stable

LPGAT1 0.166820306 8.400160063 1.592713858 0.119365832 0.544792777 -5.742014333 stable

PALM2 0.011285192 2.561291962 1.592633704 0.119383852 0.544792777 -5.742136146 stable

CLIP1 0.131592937 7.610157397 1.592532222 0.11940667 0.544792777 -5.742290367 stable

CUL2 -0.132729035 8.081620925 -1.592305095 0.119457752 0.544792777 -5.742635494 stable

RRP1B -0.113885953 8.121804215 -1.592120943 0.119499182 0.544792777 -5.742915288 stable

SAMD4B -0.156992705 5.758394088 -1.592096664 0.119504645 0.544792777 -5.742952176 stable

CCS -0.084793932 9.906109429 -1.59205801 0.119513343 0.544792777 -5.7430109 stable

BC036830 /// OVAAL /// RP11-522D2.1 0.005297436 2.473392974 1.592026089 0.119520527 0.544792777 -5.743059395 stable

TMEM45B -0.224278101 3.527298936 -1.591916934 0.119545093 0.544792777 -5.743225221 stable

MAP3K11 0.008263053 2.471383378 1.591841349 0.119562107 0.544792777 -5.743340041 stable

FZD5 0.022436857 2.378831558 1.591616541 0.119612721 0.54491784 -5.743681516 stable

IGH /// IGHE /// IGHE /// IGHE -0.116114267 3.413897504 -1.591199753 0.119706604 0.545239938 -5.744314489 stable

LINC00957 0.228415516 5.768360491 1.59086806 0.119781362 0.545469795 -5.744818126 stable

CDK9 0.166217273 9.384093989 1.590770091 0.119803451 0.545469795 -5.744966864 stable

APBB2 -0.013477179 2.635597886 -1.590469771 0.119871181 0.545672546 -5.745422761 stable

TTLL7 -0.017684665 2.520704843 -1.590316823 0.119905687 0.545724004 -5.745654912 stable

LOC101927121 -0.206881409 4.393513614 -1.589999449 0.119977313 0.545795451 -5.746136574 stable

RASL10B -0.013097688 2.209849965 -1.589977451 0.119982279 0.545795451 -5.746169956 stable

FAM110C 0.256201492 3.10836113 1.589872385 0.120006 0.545795451 -5.746329389 stable

SLC39A8 -0.074785046 3.589666452 -1.589836054 0.120014203 0.545795451 -5.746384518 stable

MRPS17 0.14515429 7.92201225 1.589682991 0.120048768 0.545817137 -5.746616762 stable

CCDC64B -0.008741822 2.592718644 -1.589609431 0.120065383 0.545817137 -5.746728369 stable

ZBTB10 0.183159116 6.291736978 1.589244976 0.120147727 0.545966806 -5.747281262 stable

ZNF398 0.093787201 8.475641824 1.589142821 0.120170816 0.545966806 -5.747436215 stable

TLN1 -0.174410753 11.89609057 -1.588992531 0.120204792 0.545966806 -5.747664166 stable

ZSWIM2 0.008702637 2.949428575 1.588971162 0.120209623 0.545966806 -5.747696575 stable

POLR3F -0.071534971 8.242646147 -1.588950187 0.120214365 0.545966806 -5.747728387 stable

LINC01003 -0.164972968 9.852223492 -1.588338838 0.120352658 0.546409975 -5.748655426 stable

EN2 0.005209729 2.633970139 1.58831344 0.120358406 0.546409975 -5.748693933 stable

RP11-4M23.7 -0.02715159 3.506863159 -1.588154027 0.12039449 0.54641975 -5.74893561 stable

PGM2L1 -0.046219085 3.823125378 -1.58802918 0.120422755 0.54641975 -5.749124867 stable

SP8 0.006930415 2.710684095 1.587996068 0.120430253 0.54641975 -5.749175062 stable

PSD4 0.115481879 10.0545192 1.587604212 0.120519009 0.546716994 -5.749768989 stable

DYNLRB2 0.007372422 2.567175777 1.587471869 0.120548997 0.546747583 -5.749969549 stable

RPS15 -0.081100967 2.822714447 -1.58648013 0.120773911 0.547662072 -5.751472021 stable

SMPDL3B -0.021431164 2.569660128 -1.586172651 0.120843713 0.547784096 -5.751937681 stable

GHDC -0.126657653 8.773954104 -1.586156418 0.120847399 0.547784096 -5.751962263 stable

COMMD10 0.120169078 9.921961771 1.585488818 0.12099907 0.54828958 -5.752973024 stable

TGM5 -0.075260117 4.146457874 -1.58546037 0.121005536 0.54828958 -5.753016086 stable

S100PBP 0.091617929 9.545472514 1.585312882 0.121039066 0.548335875 -5.753239333 stable

SPAG11A /// SPAG11B 0.023175314 2.600546183 1.585072273 0.121093782 0.548450215 -5.753603494 stable

NRG3 0.008860808 2.636398157 1.584951899 0.121121163 0.548450215 -5.753785661 stable

AVIL -0.174715548 4.969638724 -1.584894342 0.121134257 0.548450215 -5.753872759 stable

KCNH3 -0.093459082 5.132820318 -1.584780513 0.121160157 0.548461904 -5.754045006 stable

BTBD9 0.322360174 4.924627952 1.584442031 0.121237198 0.548495979 -5.754557132 stable

UHRF2 -0.09218331 11.74310364 -1.58436784 0.12125409 0.548495979 -5.754669371 stable

ERICH1 0.169774674 4.199497464 1.584245773 0.121281886 0.548495979 -5.754854027 stable

RBM5 0.072270326 11.06646359 1.5841451 0.121304815 0.548495979 -5.755006312 stable

VDAC1 0.074216546 11.37872628 1.584091708 0.121316977 0.548495979 -5.755087073 stable

TBKBP1 0.099632757 6.811831801 1.584088242 0.121317766 0.548495979 -5.755092315 stable

AV2S1A1 /// TRAV12-2 /// TRAV12-2 /// YME1L1 0.192931115 4.177898724 1.584019657 0.12133339 0.548495979 -5.755196053 stable

TICRR 0.008874776 2.547480773 1.583928141 0.12135424 0.548495979 -5.755334468 stable

HERC4 0.05729392 2.952361603 1.583798141 0.121383863 0.548524464 -5.755531078 stable

MAPK13 0.164015177 7.635260773 1.583227853 0.121513883 0.549006537 -5.756393403 stable

LINC00892 0.003544455 2.194498097 1.58291927 0.121584284 0.549212603 -5.756859895 stable

RP11-114H24.6 -0.00333606 2.208870983 -1.582626541 0.121651098 0.549212603 -5.757302345 stable

GOLGA7 0.057877094 10.90134153 1.582606411 0.121655694 0.549212603 -5.757332769 stable

GABRB3 0.009416863 3.128847577 1.58246427 0.121688149 0.549212603 -5.757547583 stable

DNAJC16 -0.099434158 8.447856836 -1.582438061 0.121694134 0.549212603 -5.757587189 stable

TMEM88 -0.26277085 5.276419125 -1.582326523 0.121719608 0.549212603 -5.75775574 stable

CCDC17 -0.067537227 2.335246326 -1.582108734 0.12176936 0.549212603 -5.758084819 stable

TAT 0.002831001 2.309875948 1.582032262 0.121786833 0.549212603 -5.758200359 stable

ITGAM 0.143569762 13.08138859 1.582009013 0.121792145 0.549212603 -5.758235484 stable

CYP4F11 0.00517719 2.554132316 1.58193425 0.121809231 0.549212603 -5.758348436 stable

FATE1 -0.069502429 3.461237838 -1.581903141 0.121816341 0.549212603 -5.758395434 stable

SBNO2 0.133995894 9.473934706 1.581589437 0.121888055 0.549430614 -5.758869318 stable

TAS2R9 0.002941288 2.275296687 1.581192746 0.12197879 0.549734261 -5.759468444 stable

C18orf61 0.005249216 2.657536908 1.581079044 0.122004807 0.549746179 -5.759640145 stable

LOC283045 -0.089451551 2.52641942 -1.580915626 0.122042208 0.549809378 -5.759886903 stable

FPR3 0.538089151 3.727557888 1.580668589 0.122098764 0.549958832 -5.760259883 stable

STEAP1B -0.048024443 2.553077949 -1.580507043 0.122135759 0.55002014 -5.760503759 stable

KIAA0485 -0.029574282 3.669822438 -1.579803963 0.122296877 0.550617874 -5.7615649 stable

SP1 0.099601451 10.27444454 1.579723575 0.122315309 0.550617874 -5.761686201 stable

DNM1P35 0.009928353 2.896232569 1.579591866 0.122345515 0.55064846 -5.761884931 stable

MAP4 0.078350495 3.344966574 1.579247107 0.122424608 0.550752685 -5.762405054 stable

CALB2 -0.028472594 3.014123995 -1.579137695 0.122449718 0.550752685 -5.762570099 stable

RP1-100J12.1 0.00230198 2.157318104 1.579074906 0.12246413 0.550752685 -5.76266481 stable

GLRA3 0.016434648 3.108902177 1.579044177 0.122471183 0.550752685 -5.762711159 stable

KIF20A 0.053846716 3.18809964 1.578907821 0.122502486 0.550752685 -5.762916823 stable

NDUFS5 /// RPL10 -0.080457615 12.17891712 -1.578878738 0.122509164 0.550752685 -5.762960687 stable

PKD2L1 -0.058648897 3.276240942 -1.578491849 0.122598022 0.550869298 -5.763544132 stable

FAM19A1 0.35675428 4.798618213 1.578460462 0.122605233 0.550869298 -5.76359146 stable

CYP26B1 0.003230279 2.38202234 1.57845989 0.122605364 0.550869298 -5.763592322 stable

AK093356 /// RP11-10L12.4 0.129936586 3.778350994 1.577922117 0.122728969 0.551266176 -5.764403084 stable

N4BP1 0.096429423 8.226527759 1.577871666 0.122740571 0.551266176 -5.764479133 stable

LOC101927313 0.003252796 2.421835537 1.577695181 0.12278116 0.551343197 -5.764745146 stable

YPEL4 0.086110778 2.901847198 1.577542544 0.122816274 0.551395604 -5.764975192 stable

SH2B1 -0.074121959 7.906615776 -1.57688492 0.122967651 0.55189363 -5.765966106 stable

SEMA6D 0.008443944 2.359567105 1.576654861 0.123020643 0.55189363 -5.766312675 stable

TYROBP 0.165130278 14.45463684 1.57659454 0.123034541 0.55189363 -5.766403538 stable

UBXN11 -0.204064383 9.647784703 -1.576446423 0.123068671 0.55189363 -5.766626635 stable

C6orf223 -0.028933204 2.421343122 -1.576353388 0.123090113 0.55189363 -5.766766758 stable

CCDC132 0.09563845 4.840121022 1.576291485 0.123104382 0.55189363 -5.766859987 stable

MR1 0.177634889 8.653261835 1.576274103 0.123108389 0.55189363 -5.766886165 stable

SHPK 0.052816804 4.587671071 1.576195614 0.123126483 0.55189363 -5.767004368 stable

AP000525.9 0.054610355 4.376037949 1.576054203 0.123159088 0.55189363 -5.767217318 stable

RAB4B -0.128360832 6.08047896 -1.576042264 0.123161841 0.55189363 -5.767235297 stable

LOC100507377 0.021904841 3.277178298 1.575846224 0.123207054 0.55199107 -5.767530482 stable

TIGD5 -0.101772665 7.698891492 -1.575633024 0.12325624 0.55210627 -5.76785147 stable

BIRC7 -0.075999928 6.826313507 -1.575195597 0.123357206 0.5523758 -5.768509929 stable

BBS7 0.140911762 4.930379455 1.575168856 0.123363381 0.5523758 -5.768550177 stable

UNC5C 0.005470217 2.585010883 1.574644582 0.123484486 0.552812827 -5.769339143 stable

MTMR2 0.172058619 8.719104725 1.57446437 0.123526136 0.552894054 -5.769610285 stable

OXTR -0.214010493 4.46925967 -1.574160973 0.123596283 0.553102772 -5.770066707 stable

GABARAPL1 /// GABARAPL3 0.17171643 10.05181441 1.573763205 0.123688297 0.553214954 -5.770664982 stable

CDRT1 0.042217612 2.766841509 1.573591538 0.123728026 0.553214954 -5.770923143 stable

TNS1 -0.221166197 5.161170085 -1.573591521 0.12372803 0.553214954 -5.770923168 stable

CENPF 0.008464636 2.904774747 1.573586595 0.12372917 0.553214954 -5.770930575 stable

LINC00612 0.004627048 2.359487537 1.573544338 0.123738951 0.553214954 -5.77099412 stable

GALNT15 0.002848087 2.246616103 1.573228987 0.123811964 0.553219122 -5.77146828 stable

HS6ST1 0.116471227 5.875670061 1.573218624 0.123814364 0.553219122 -5.77148386 stable

CTB-92J24.2 0.033453344 2.36882343 1.572804565 0.123910285 0.553219122 -5.772106307 stable

LOC101927820 0.00516362 2.517634004 1.572721586 0.123929516 0.553219122 -5.77223103 stable

STOML2 -0.097398029 9.065623661 -1.57266813 0.123941906 0.553219122 -5.772311377 stable

NCR3 0.301219555 8.348705632 1.572637108 0.123949096 0.553219122 -5.772358002 stable

RP1-170O19.17 0.076852056 3.801887663 1.572540244 0.12397155 0.553219122 -5.772503581 stable

UBAP1L -0.051210668 3.584373235 -1.572522277 0.123975715 0.553219122 -5.772530582 stable

TNKS1BP1 -0.047193364 3.804791633 -1.57238418 0.124007734 0.553219122 -5.772738117 stable

PARP12 -0.090263904 10.69087484 -1.572246728 0.12403961 0.553219122 -5.772944665 stable

ZNF576 0.170006509 5.635826575 1.572173518 0.12405659 0.553219122 -5.773054671 stable

PCDH8 0.007947007 2.926221355 1.571956429 0.124106954 0.553219122 -5.773380846 stable

LOC285692 0.00357863 2.38117498 1.571951573 0.124108081 0.553219122 -5.77338814 stable

TRIM21 0.202893561 9.07325884 1.571905381 0.124118799 0.553219122 -5.773457538 stable

SDSL 0.024856438 2.717554023 1.571871475 0.124126667 0.553219122 -5.773508476 stable

SRPX2 0.01341231 2.558546296 1.571818238 0.124139022 0.553219122 -5.773588455 stable

FLRT2 /// LOC100506718 /// LOC102724348 0.00920085 2.960986913 1.571690408 0.124168692 0.553219122 -5.773780484 stable

FRZB 0.003648443 2.658104865 1.571617105 0.124185708 0.553219122 -5.773890595 stable

FAT2 -0.00702003 2.468585619 -1.571612541 0.124186768 0.553219122 -5.773897451 stable

C5orf22 0.116206767 8.610012572 1.57124503 0.12427211 0.553352188 -5.774449434 stable

LOC100507054 -0.135317259 7.167883363 -1.57110825 0.124303885 0.553352188 -5.774654843 stable

IL27RA 0.064066578 9.106176188 1.570973687 0.124335151 0.553352188 -5.774856906 stable

AGPAT4-IT1 0.207294215 7.525736925 1.570918204 0.124348045 0.553352188 -5.774940216 stable

CIAO1 0.07686176 9.98663196 1.570901154 0.124352007 0.553352188 -5.774965817 stable

VIPR2 -0.021665199 2.919752608 -1.570876257 0.124357794 0.553352188 -5.7750032 stable

WFDC11 0.005329029 2.560262774 1.570694908 0.124399947 0.553361092 -5.775275479 stable

PARD6G-AS1 0.012432426 2.669410463 1.570478482 0.124450269 0.553361092 -5.775600388 stable

HSD17B3 -0.368619659 3.222120727 -1.570419316 0.124464029 0.553361092 -5.775689204 stable

MIR3658 /// UCK2 0.142445333 6.800406728 1.570339052 0.124482698 0.553361092 -5.775809686 stable

SLC25A37 -0.200960663 8.184447101 -1.570296119 0.124492684 0.553361092 -5.775874129 stable

NR1H3 0.249713887 5.841829515 1.570260575 0.124500952 0.553361092 -5.775927479 stable

ZNF493 -0.22517163 10.04351942 -1.569992768 0.124563265 0.553533449 -5.77632942 stable

BCL9 0.073773872 5.929276906 1.569613156 0.124651635 0.55363473 -5.77689906 stable

GPR125 0.009640858 3.19525904 1.569601153 0.12465443 0.55363473 -5.77691707 stable

APEX1 -0.076637693 12.00731933 -1.569494573 0.12467925 0.55363473 -5.77707698 stable

FAM47E /// FAM47E-STBD1 /// STBD1 0.322363825 3.541830585 1.569142185 0.124761343 0.55363473 -5.777605625 stable

RP11-466P24.7 0.004937931 2.608275842 1.569135398 0.124762924 0.55363473 -5.777615805 stable

AF186192.1 0.004558539 2.570034681 1.56908757 0.12477407 0.55363473 -5.777687547 stable

IMPDH2 -0.101254127 11.2989686 -1.569078369 0.124776214 0.55363473 -5.77770135 stable

CPSF3L -0.050506267 9.936848622 -1.568981605 0.124798766 0.55363473 -5.777846489 stable

ESRG /// MIR4454 0.005498354 2.614211115 1.568967129 0.12480214 0.55363473 -5.777868202 stable

ZNF273 0.098890144 6.730620318 1.568806715 0.124839535 0.55363473 -5.778108792 stable

RP6-201G10.2 0.005757816 2.752540453 1.56878339 0.124844973 0.55363473 -5.778143774 stable

RP11-353N14.1 -0.037517738 5.14550024 -1.568583634 0.124891553 0.553736894 -5.778443338 stable

BC052578 /// RP11-398G24.2 0.066657876 3.909946077 1.568230999 0.124973817 0.5539972 -5.778972084 stable

SCN4A -0.011920402 2.706300036 -1.567468767 0.125151782 0.554681565 -5.780114626 stable

FAM226A /// FAM226B -0.235716501 7.8085586 -1.567336049 0.12518279 0.554714469 -5.780313513 stable

NMNAT2 0.016088093 2.43381873 1.566861251 0.125293771 0.555006151 -5.781024909 stable

RP11-151E14.1 0.003583473 2.578118734 1.566852547 0.125295806 0.555006151 -5.781037948 stable

RP11-845C23.3 0.131118334 4.240517674 1.566543601 0.125368065 0.555221662 -5.781500742 stable

MYO18B -0.005980566 2.239411634 -1.566376802 0.125407091 0.555236621 -5.78175057 stable

TCEB3-AS1 -0.135623294 5.641404587 -1.566170109 0.125455464 0.555236621 -5.782060117 stable

SIX3 -0.051052112 3.239873342 -1.566143745 0.125461636 0.555236621 -5.782099598 stable

TOR4A 0.244715213 7.869464764 1.566125672 0.125465866 0.555236621 -5.782126663 stable

IFIT2 0.501874925 8.72658839 1.565923238 0.125513261 0.555341875 -5.782429788 stable

RRP12 -0.151556096 4.67515308 -1.565091856 0.12570806 0.556099167 -5.783674346 stable

LOC541472 -0.110230923 2.990906496 -1.564923598 0.125747513 0.556153936 -5.783926154 stable

ANKRD30B 0.049849014 4.038127965 1.564837396 0.12576773 0.556153936 -5.784055151 stable

GLIPR2 0.141668907 12.26045293 1.564279369 0.125898667 0.556518417 -5.784890056 stable

LOC100630918 -0.12005 4.396500856 -1.564182504 0.125921407 0.556518417 -5.785034957 stable

CENPV -0.221548638 6.720049234 -1.564147426 0.125929643 0.556518417 -5.785087428 stable

LMO1 0.006348935 2.844484203 1.564032335 0.125956668 0.556518417 -5.785259579 stable

FSBP /// RAD54B 0.105058718 3.083277827 1.563850887 0.125999283 0.556518417 -5.785530964 stable

DDX25 0.005906666 2.796950874 1.563624787 0.126052401 0.556518417 -5.785869092 stable

C7orf33 0.005750117 3.027639456 1.563584331 0.126061908 0.556518417 -5.785929589 stable

NLRP8 0.073923943 2.567003042 1.563512319 0.126078831 0.556518417 -5.78603727 stable

IGLC1 /// IGLV3-10 /// IGLV3-10 -0.532725573 7.545733964 -1.563459371 0.126091275 0.556518417 -5.786116441 stable

LINC01069 -0.016377053 2.994734636 -1.56320583 0.126150876 0.556518417 -5.786495522 stable

KRBOX4 -0.063863148 8.975655656 -1.563146269 0.126164881 0.556518417 -5.786584567 stable

HEXA-AS1 -0.010221967 3.183881962 -1.563128476 0.126169065 0.556518417 -5.786611168 stable

NKX3-1 -0.04606747 2.382472649 -1.563094083 0.126177153 0.556518417 -5.786662583 stable

PRB4 0.022393804 3.256496992 1.563076021 0.1261814 0.556518417 -5.786689585 stable

C1QTNF4 0.009784685 2.878706294 1.562721615 0.126264768 0.556781703 -5.787219343 stable

AKAP11 0.078557687 11.12228492 1.562530275 0.126309796 0.556875858 -5.78750531 stable

CLEC14A -0.080239084 3.905171579 -1.561884622 0.126461832 0.55744167 -5.788470044 stable

LINC00158 0.038980744 2.733277197 1.561585578 0.1265323 0.557647785 -5.788916755 stable

LOC101928505 0.004757519 2.501845029 1.561348728 0.126588135 0.557789344 -5.789270508 stable

GTSE1 /// TRMU 0.031172549 2.864130368 1.561182837 0.126627254 0.557857209 -5.789518251 stable

XPR1 0.116691846 8.554716447 1.56098365 0.126674237 0.557922088 -5.789815687 stable

HEATR1 0.069543477 5.480444806 1.560852911 0.126705083 0.557922088 -5.790010894 stable

PUS7L 0.105199014 6.760108909 1.560796354 0.126718429 0.557922088 -5.790095336 stable

ARAP2 /// LOC101928667 0.014520072 2.820363231 1.560718248 0.126736861 0.557922088 -5.790211946 stable

RP11-471B22.2 -0.08595637 2.815281003 -1.559861955 0.126939082 0.558533804 -5.791490034 stable

CRYZL1 -0.128805339 10.29034159 -1.559730764 0.126970087 0.558533804 -5.791685794 stable

CDC7 0.237246997 6.76773504 1.559682493 0.126981496 0.558533804 -5.791757818 stable

ARHGAP21 -0.187712109 9.776825771 -1.559632577 0.126993295 0.558533804 -5.791832294 stable

JAM3 -0.409306334 9.29302539 -1.559616909 0.126996999 0.558533804 -5.791855672 stable

C6orf57 0.157553627 7.150680549 1.559526831 0.127018295 0.558533804 -5.791990067 stable

PCDHGB5 -0.034996771 2.932170604 -1.558665797 0.127222001 0.559225068 -5.793274365 stable

RPL15 -0.123586222 9.40114329 -1.558661368 0.127223049 0.559225068 -5.793280969 stable

TBCE -0.065240302 8.619253583 -1.558497035 0.127261958 0.559232198 -5.793526013 stable

RP1-20C7.6 -0.03095794 2.015012745 -1.558400042 0.127284927 0.559232198 -5.793670632 stable

CELSR3 -0.033741682 2.448247936 -1.558346966 0.127297498 0.559232198 -5.793749767 stable

SLC35D1 0.120621047 9.628354447 1.558252917 0.127319775 0.559232198 -5.793889985 stable

ZDHHC13 0.169172197 8.032332825 1.558141442 0.127346183 0.55924376 -5.794056174 stable

HDAC11 -0.026549014 2.543998194 -1.557362162 0.127530921 0.559878453 -5.795217648 stable

PRDX2 -0.020101783 3.006789707 -1.557251588 0.127557151 0.559878453 -5.79538241 stable

RP11-381P6.1 -0.043601346 2.481531223 -1.557230644 0.12756212 0.559878453 -5.795413616 stable

LOC340107 -0.040631798 5.607408606 -1.557112923 0.127590052 0.559896569 -5.795589016 stable

SCAPER 0.14394366 7.047932408 1.557002335 0.127616295 0.559907271 -5.795753777 stable

HDAC5 -0.11977874 9.418653217 -1.556481258 0.12774001 0.56034554 -5.796529969 stable

FAM166A 0.022487371 2.538553743 1.556290641 0.127785291 0.560439648 -5.796813853 stable

THBS1 -0.46241203 7.406619436 -1.556105368 0.127829315 0.560528211 -5.79708975 stable

FAM83D 0.135617089 3.962225129 1.555957193 0.127864533 0.560578131 -5.797310381 stable

TMEM254-AS1 -0.04873834 2.845782688 -1.555432724 0.127989249 0.56097401 -5.798091163 stable

EMC4 0.060965261 12.04219872 1.555376897 0.12800253 0.56097401 -5.798174259 stable

ESM1 0.018214168 3.060376644 1.554673547 0.128169952 0.561577933 -5.799220946 stable

FAM228B -0.116119184 8.130084035 -1.554597419 0.128188084 0.561577933 -5.799334211 stable

PBRM1 0.038984478 9.53379426 1.554000102 0.128330421 0.561945682 -5.80022274 stable

ZNF582-AS1 -0.17676883 3.429984457 -1.553835701 0.12836962 0.561945682 -5.800467238 stable

PRUNE2 0.003997552 2.409505 1.55371658 0.128398028 0.561945682 -5.800644382 stable

POLR2J2 -0.183382021 7.669385807 -1.553701601 0.1284016 0.561945682 -5.800666657 stable

KIAA1456 /// LOC101927137 0.003525007 2.432544344 1.553652428 0.128413329 0.561945682 -5.800739778 stable

MUC3B -0.044773852 3.497120247 -1.553566753 0.128433766 0.561945682 -5.800867171 stable

KIAA1671 0.126538395 3.394210233 1.553494476 0.128451009 0.561945682 -5.80097464 stable

TEX40 -0.033084907 2.517060559 -1.553443558 0.128463158 0.561945682 -5.801050346 stable

USP7 -0.064295874 10.92239201 -1.553179166 0.128526254 0.562049792 -5.801443417 stable

OFD1 -0.138939675 11.25572404 -1.553143579 0.128534749 0.562049792 -5.80149632 stable

RP11-876N24.5 -0.04519022 2.679029783 -1.552739231 0.128631299 0.562203139 -5.802097337 stable

CASP2 0.252033848 7.381220956 1.552701604 0.128640287 0.562203139 -5.802153259 stable

PLK2 0.162451172 4.077644156 1.552550851 0.128676301 0.562203139 -5.802377297 stable

SOS1-IT1 /// SOS1-IT1 0.069625649 2.714492242 1.552506859 0.128686812 0.562203139 -5.802442669 stable

ARHGEF7-IT1 0.005545343 2.12107994 1.552496325 0.128689329 0.562203139 -5.802458323 stable

KRI1 -0.074494371 9.943881617 -1.552181745 0.128764512 0.562427129 -5.802925751 stable

PRRC2A -0.040821853 9.567918393 -1.552001974 0.128807493 0.562510403 -5.803192832 stable

WDR73 -0.072013831 9.077221525 -1.551692956 0.128881401 0.562651698 -5.803651866 stable

LINC00167 -0.003590049 2.566383803 -1.551597629 0.128904208 0.562651698 -5.803793456 stable

LINC00853 -0.14463 3.246407539 -1.551551701 0.128915197 0.562651698 -5.803861669 stable

SYDE1 -0.006793643 2.863894014 -1.55146672 0.128935532 0.562651698 -5.803987881 stable

JAM2 -0.035039331 2.532538621 -1.551196316 0.129000255 0.562665309 -5.804389439 stable

KCNIP2-AS1 -0.06871192 6.718553278 -1.551170437 0.129006451 0.562665309 -5.804427866 stable

ACKR3 /// AK023507 0.099213731 3.202302141 1.551105939 0.129021894 0.562665309 -5.804523637 stable

ZNF37BP -0.179453542 7.526036186 -1.551023222 0.1290417 0.562665309 -5.804646456 stable

EPPIN /// EPPIN-WFDC6 0.006764276 2.525833053 1.550855983 0.129081754 0.562665309 -5.804894755 stable

TMEM190 -0.005197301 2.112520978 -1.550753043 0.129106413 0.562665309 -5.805047578 stable

EME2 -0.103523788 4.079123651 -1.550711345 0.129116402 0.562665309 -5.805109479 stable

CDC37L1 0.092300588 8.839558774 1.550595885 0.129144067 0.562665309 -5.805280875 stable

CSNK1A1 -0.146077766 9.729809177 -1.550518505 0.12916261 0.562665309 -5.805395736 stable

ABI2 -0.105666853 7.19703726 -1.550420842 0.129186016 0.562665309 -5.805540698 stable

PDCD6IP -0.060383803 12.49446228 -1.550193 0.129240635 0.562665309 -5.805878852 stable

CDC37 -0.062286413 10.80450809 -1.5500562 0.129273439 0.562665309 -5.806081865 stable

STX18-AS1 -0.095772717 2.559909111 -1.549995263 0.129288053 0.562665309 -5.80617229 stable

TMEM189 /// TMEM189-UBE2V1 /// UBE2V1 -0.064462849 9.822757258 -1.549870236 0.129318042 0.562665309 -5.806357812 stable

RAB2B 0.071054827 9.584045645 1.549570028 0.129390073 0.562665309 -5.806803221 stable

LOC100996643 /// LOC101928195 /// MTHFD1L -0.154947806 5.999075022 -1.549448083 0.129419341 0.562665309 -5.806984124 stable

FLJ22763 0.007389998 3.026213185 1.549427199 0.129424354 0.562665309 -5.807015105 stable

ZNF471 0.006836716 2.700596427 1.549403425 0.12943006 0.562665309 -5.807050371 stable

AC005523.3 -0.011738966 2.752700576 -1.549170863 0.129485896 0.562665309 -5.807395331 stable

NUP43 0.081904973 10.88610911 1.549150705 0.129490737 0.562665309 -5.80742523 stable

LRRC49 -0.065942168 2.971257913 -1.549044724 0.129516189 0.562665309 -5.807582414 stable

ZC3H14 -0.041215108 9.295565747 -1.549040338 0.129517243 0.562665309 -5.807588919 stable

SLC22A31 -0.025282249 4.565056942 -1.54897549 0.129532819 0.562665309 -5.807685092 stable

AEBP1 -0.171394033 6.958684836 -1.548842992 0.129564648 0.562665309 -5.807881585 stable

DYRK2 0.143195386 10.62554095 1.548579395 0.12962799 0.562665309 -5.808272451 stable

FAM53C 0.09459441 10.15965426 1.54854408 0.129636478 0.562665309 -5.808324813 stable

LOC100287221 0.00431592 2.725367883 1.548533147 0.129639106 0.562665309 -5.808341022 stable

LEPROT 0.011721753 3.136027008 1.54851696 0.129642997 0.562665309 -5.808365023 stable

KCNH7 0.010898003 2.780004247 1.548508681 0.129644987 0.562665309 -5.808377296 stable

FAM57B /// LOC100996332 -0.043645175 3.390185644 -1.548461592 0.129656306 0.562665309 -5.808447112 stable

ADARB2 0.008212073 2.756677886 1.548152276 0.129730679 0.562777085 -5.808905665 stable

STXBP2 -0.129827851 5.57751651 -1.54814316 0.129732871 0.562777085 -5.808919178 stable

APOL2 -0.102492665 6.418065941 -1.547719132 0.129834884 0.562777085 -5.809547655 stable

DSN1 -0.106397132 5.607318292 -1.54763898 0.129854174 0.562777085 -5.809666436 stable

ZNF717 0.007051368 2.390537332 1.547542966 0.129877284 0.562777085 -5.809808716 stable

LINC01192 0.008852779 2.937385533 1.547533856 0.129879477 0.562777085 -5.809822215 stable

ANKRD20A12P /// LOC101059949 /// LOC101060632 /// LOC101927345 0.197996266 2.935682435 1.547523168 0.12988205 0.562777085 -5.809838053 stable

CNTN6 0.005739514 3.156367835 1.547357766 0.129921872 0.562777085 -5.810083135 stable

EBF3 0.002688202 2.204041069 1.547317079 0.129931669 0.562777085 -5.810143419 stable

TSPAN18 -0.184596977 8.647176475 -1.547153021 0.129971179 0.562777085 -5.810386483 stable

RNF166 0.087508573 11.58873861 1.547028736 0.130001117 0.562777085 -5.810570605 stable

MYO1G 0.097639725 11.564635 1.546952756 0.130019421 0.562777085 -5.810683158 stable

ST8SIA6-AS1 0.008307591 2.792640658 1.546908388 0.130030111 0.562777085 -5.810748881 stable

ALPK1 -0.139499215 6.061524439 -1.546893325 0.130033741 0.562777085 -5.810771194 stable

ANGEL2 0.042467934 3.341763745 1.546863358 0.130040962 0.562777085 -5.810815583 stable

C19orf66 -0.09187832 9.626081512 -1.546643373 0.130093979 0.562902956 -5.811141417 stable

MRPL14 0.071492302 10.05983943 1.546375778 0.130158493 0.562921855 -5.811537714 stable

CXCR5 -0.296118431 7.892682359 -1.5463619 0.13016184 0.562921855 -5.811558265 stable

AAR2 0.117829756 8.815145748 1.546327461 0.130170144 0.562921855 -5.811609261 stable

C6orf165 -0.040837437 2.890772267 -1.546104314 0.130223967 0.563041375 -5.811939677 stable

ERVV-1 -0.033736376 3.707743365 -1.546014403 0.130245658 0.563041375 -5.812072798 stable

RAB11B -0.084781685 6.48624144 -1.545739817 0.130311921 0.563073835 -5.812479301 stable

LOC101930578 /// MRPS31P5 /// THSD1 -0.121177955 7.981032517 -1.545621625 0.130340451 0.563073835 -5.812654255 stable

EMX2OS 0.014700856 2.463242547 1.54556097 0.130355094 0.563073835 -5.812744035 stable

CATSPERD -0.003204505 2.417480628 -1.545448768 0.130382186 0.563073835 -5.812910105 stable

LRP2BP 0.002766457 2.117065593 1.545345645 0.130407089 0.563073835 -5.81306273 stable

RNF187 0.017499132 4.119131192 1.545204056 0.130441288 0.563073835 -5.813272268 stable

LOC654841 0.005130881 2.886027933 1.545159608 0.130452025 0.563073835 -5.813338045 stable

LRR1 0.171949169 8.570528115 1.54505356 0.130477646 0.563073835 -5.81349497 stable

NKX2-5 -0.051272289 2.507681443 -1.545015227 0.130486908 0.563073835 -5.813551693 stable

CAMSAP1 0.128181297 6.078995828 1.544991841 0.130492559 0.563073835 -5.813586297 stable

GBAP1 0.169743834 8.724666836 1.544564166 0.130595934 0.563324481 -5.814219039 stable

EBF2 0.008584329 2.866414995 1.544553364 0.130598546 0.563324481 -5.814235017 stable

ERICH3 0.00984315 2.934117785 1.544048219 0.130720734 0.563465989 -5.814982172 stable

UCHL3 -0.089661926 10.20181544 -1.543978701 0.130737556 0.563465989 -5.815084979 stable

RYBP -0.157441136 11.00823865 -1.543777954 0.130786145 0.563465989 -5.81538183 stable

PIP -0.020117827 3.154304208 -1.543739033 0.130795567 0.563465989 -5.815439379 stable

CARD8 0.108662408 11.40720064 1.543710418 0.130802495 0.563465989 -5.81548169 stable

LOC145783 /// ZNF280D 0.01775304 2.970598546 1.54365003 0.130817115 0.563465989 -5.815570977 stable

ADARB2-AS1 0.003167662 1.773864462 1.543599707 0.1308293 0.563465989 -5.81564538 stable

POLDIP2 -0.0721042 8.844887118 -1.543555895 0.130839909 0.563465989 -5.815710156 stable

RDH16 -0.016160561 2.122818921 -1.543277839 0.130907256 0.563465989 -5.816121217 stable

ACRC 0.129011312 7.800385066 1.543248229 0.130914429 0.563465989 -5.816164986 stable

MUC19 0.002530146 2.245840637 1.54324548 0.130915095 0.563465989 -5.816169051 stable

ZFP42 -0.003891352 2.082042322 -1.543230094 0.130918823 0.563465989 -5.816191794 stable

ENSA 0.046869985 12.07810757 1.542788792 0.131025774 0.563823129 -5.816844036 stable

SCAF4 -0.299422796 8.737997955 -1.542670303 0.131054502 0.563843596 -5.817019135 stable

TMEM183A /// TMEM183B -0.112277816 8.507442595 -1.542524175 0.131089938 0.563892911 -5.817235061 stable

C21orf37 0.026054568 3.646074783 1.542308154 0.131142338 0.564015164 -5.817554231 stable

H3F3A /// H3F3B /// MIR4738 -0.046221327 14.89130379 -1.541731681 0.131282254 0.564441334 -5.818405774 stable

C1orf216 0.174623999 7.089198173 1.541693016 0.131291643 0.564441334 -5.818462878 stable

MIR155 /// MIR155HG -0.195828181 7.101926219 -1.541603336 0.131313421 0.564441334 -5.818595321 stable

KLF17 -0.020856607 2.870605178 -1.541278682 0.131392286 0.564506895 -5.819074729 stable

DRAXIN 0.207998321 2.767521441 1.541276245 0.131392878 0.564506895 -5.819078326 stable

U2AF1 -0.049149417 12.080144 -1.541244164 0.131400674 0.564506895 -5.819125695 stable

EPHB4 -0.203526742 6.247582209 -1.540857628 0.131494626 0.56463196 -5.819696353 stable

CSAD -0.277291174 3.298221997 -1.540831035 0.131501091 0.56463196 -5.819735608 stable

LRRTM4 0.013345416 3.213241235 1.540799146 0.131508845 0.56463196 -5.819782681 stable

SAMD12 0.040238719 3.972788914 1.540524265 0.131575697 0.56463196 -5.820188408 stable

MPV17 -0.091780952 9.40604472 -1.540472573 0.131588271 0.56463196 -5.820264699 stable

LOC100507577 /// LONP2 /// SIAH1 -0.238271086 9.35019032 -1.540439299 0.131596366 0.56463196 -5.820313806 stable

TEX10 0.119065472 4.387072346 1.54043331 0.131597823 0.56463196 -5.820322645 stable

HOXB-AS3 0.037329764 2.962074377 1.540291121 0.13163242 0.564677392 -5.820532482 stable

RNF125 0.205902544 10.53040299 1.539951556 0.131715069 0.564705559 -5.821033527 stable

FAM212B /// LOC101928718 -0.105905987 6.680835953 -1.539882176 0.131731961 0.564705559 -5.821135889 stable

POLR1D -0.088591804 11.94097157 -1.53984686 0.13174056 0.564705559 -5.821187992 stable

ADCY4 -0.054947032 2.380583404 -1.539803714 0.131751066 0.564705559 -5.821251645 stable

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UBA6 0.009532099 3.281798562 1.539672438 0.131783037 0.564705559 -5.821445307 stable

RMND1 -0.064600018 7.468001807 -1.539543715 0.131814392 0.564737034 -5.82163519 stable

GHRL 0.082795369 4.028023416 1.539196561 0.131898983 0.564932244 -5.822147213 stable

UBR2 0.013946218 3.049385666 1.539159599 0.131907992 0.564932244 -5.822201722 stable

TELO2 -0.095636753 8.421524889 -1.53896702 0.13195494 0.565030427 -5.822485711 stable

DAOA-AS1 0.005224514 2.609753232 1.538718689 0.132015498 0.565186846 -5.822851868 stable

UBTD2 0.168601003 8.335480241 1.537988486 0.132193696 0.565846756 -5.823928228 stable

PRSS50 -0.011599211 2.502450833 -1.537868971 0.132222881 0.565868702 -5.824104357 stable

DNAJC14 0.11945869 8.505619835 1.537635519 0.132279903 0.565983727 -5.82444836 stable

NUDT3 /// RPS10-NUDT3 -0.085398985 8.722294639 -1.537561922 0.132297884 0.565983727 -5.824556799 stable

DPCD -0.323715606 5.531878278 -1.537142705 0.132400342 0.566189244 -5.825174394 stable

NFYC -0.053020884 6.603821999 -1.536961951 0.132444538 0.566189244 -5.825440635 stable

TRIM15 -0.041952366 4.417541605 -1.536714967 0.132504948 0.566189244 -5.825804387 stable

BSN-AS2 0.008126567 2.507125799 1.536652102 0.132520328 0.566189244 -5.825896964 stable

ACRV1 0.005016213 2.13705448 1.53658674 0.13253632 0.566189244 -5.825993215 stable

C20orf181 -0.010826272 3.016933837 -1.536573924 0.132539456 0.566189244 -5.826012087 stable

SUSD5 0.03526809 3.692093086 1.536490988 0.13255975 0.566189244 -5.826134212 stable

ADAMTS20 0.003538763 2.496985395 1.536392361 0.132583888 0.566189244 -5.826279435 stable

LOC100506603 -0.075830239 7.223768594 -1.536387006 0.132585198 0.566189244 -5.82628732 stable

HIGD1B 0.003991327 2.216143718 1.536381116 0.13258664 0.566189244 -5.826295992 stable

BAZ1A -0.093500337 10.89640101 -1.53603061 0.13267245 0.566291186 -5.826812019 stable

HMGN2P9 /// HMGN2P9 -0.116572406 6.287308933 -1.536025428 0.13267372 0.566291186 -5.826819649 stable

C16orf45 -0.024399519 3.37209272 -1.535988593 0.13268274 0.566291186 -5.826873871 stable

CYP11B2 -0.035710982 2.949621455 -1.535780613 0.132733682 0.5663167 -5.827180011 stable

NCS1 0.009854485 2.226801582 1.535767591 0.132736872 0.5663167 -5.827199178 stable

LOC102724965 -0.03824395 2.857214419 -1.535550848 0.132789978 0.566351401 -5.827518175 stable

NDUFAF7 0.113269638 6.963826787 1.535483085 0.132806585 0.566351401 -5.827617899 stable

LOC101927079 /// LOC727924 /// OR4N4 0.00824566 2.810882373 1.535392347 0.132828824 0.566351401 -5.827751427 stable

ZNF560 0.005510268 2.352963619 1.535339199 0.132841852 0.566351401 -5.827829636 stable

KAT5 -0.08347013 9.373260698 -1.535022745 0.132919445 0.566351401 -5.828295257 stable

KCNE2 0.006663243 2.712613887 1.534924724 0.132943486 0.566351401 -5.828439464 stable

LOC101927210 0.002806816 2.156312639 1.534917986 0.132945139 0.566351401 -5.828449377 stable

MFSD5 0.185770567 9.453001483 1.534915939 0.132945641 0.566351401 -5.828452389 stable

HMGA2 0.034829773 3.193554263 1.534850421 0.132961712 0.566351401 -5.828548773 stable

EIF4E3 0.186950192 7.899185066 1.534656907 0.13300919 0.566451054 -5.828833433 stable

FAM153A /// FAM153B /// FAM153C /// LOC100507387 /// LOC101928349 /// LOC101930363 -0.382491425 7.639323772 -1.534428679 0.133065203 0.566587011 -5.829169118 stable

CD180 -0.301095983 9.166143499 -1.534235103 0.133112726 0.566607839 -5.8294538 stable

LOC101930608 /// LOC102723581 -0.02840269 2.398741967 -1.534123485 0.133140135 0.566607839 -5.829617937 stable

NPM2 -0.064853131 3.487075034 -1.534114412 0.133142363 0.566607839 -5.829631279 stable

LOC100506834 0.008266596 2.838034281 1.533837689 0.133210335 0.566794553 -5.830038158 stable

GSPT1 -0.068547153 11.04997905 -1.533323092 0.13333681 0.567230081 -5.830794622 stable

LOC285778 0.002903074 2.307018639 1.532990751 0.133418543 0.567284452 -5.831283047 stable

LOC100289097 /// LOC283788 0.203897733 5.617668075 1.532955595 0.133427191 0.567284452 -5.83133471 stable

GPR107 0.204575352 6.128517528 1.532869641 0.133448337 0.567284452 -5.831461014 stable

AL022341.3 -0.071020943 6.749170767 -1.532788243 0.133468365 0.567284452 -5.831580619 stable

LINC00486 -0.014236002 2.979577865 -1.532645501 0.133503493 0.567284452 -5.831790347 stable

IL6ST 0.145031132 8.945605662 1.532522269 0.133533825 0.567284452 -5.831971395 stable

GON4L -0.116302071 8.115211678 -1.532487215 0.133542454 0.567284452 -5.832022894 stable

LOC102723954 /// MESDC2 0.056978953 3.386550091 1.532464468 0.133548054 0.567284452 -5.83205631 stable

MGAT2 0.113345058 6.559304773 1.532388913 0.133566655 0.567284452 -5.832167303 stable

B3GNT9 -0.126805245 5.643866979 -1.532281133 0.133593194 0.56729473 -5.832325627 stable

TIMM21 0.061183951 9.516557105 1.532097801 0.133638345 0.56737703 -5.832594911 stable

LINC00174 -0.07715504 5.088111619 -1.532006568 0.133660819 0.56737703 -5.832728907 stable

KCNA3 -0.13106433 9.340278495 -1.531886679 0.133690356 0.56739446 -5.832904979 stable

CKAP2 /// DKFZp667J0810 /// IGLC1 /// IGLJ2 /// IGLJ2 /// IGLJ3 /// IGLJ3 /// IGLJ3 /// IGLV1-36 /// IGLV1-36 /// IGLV1-44 /// IGLV1-50 /// IGLV1-50 /// IGLV@ -0.440611869 10.05411412 -1.531794091 0.133713171 0.56739446 -5.833040949 stable

CRYGC -0.062616263 3.361295732 -1.531419035 0.13380562 0.567684342 -5.833591658 stable

BCOR 0.092950916 8.385538956 1.531280334 0.133839823 0.567727045 -5.833795288 stable

CSNK1G2-AS1 0.003225079 1.745975666 1.530691846 0.133985015 0.567983239 -5.834659078 stable

G3BP2 0.073380422 9.245765878 1.530676413 0.133988825 0.567983239 -5.834681727 stable

ZNF259P1 /// ZPR1 0.1261336 7.802472684 1.530631137 0.134000001 0.567983239 -5.83474817 stable

PMCH -0.115340137 2.928920425 -1.530599477 0.134007816 0.567983239 -5.834794631 stable

CLNS1A -0.060585107 11.83796899 -1.53054624 0.134020959 0.567983239 -5.834872754 stable

RP5-1102E8.3 0.013932458 3.054049566 1.530412282 0.134054034 0.568021066 -5.835069322 stable

C2CD2 -0.10333842 7.026316795 -1.530248207 0.134094555 0.568064604 -5.835310063 stable

MDH1B 0.006602407 2.476121837 1.530175101 0.134112612 0.568064604 -5.83541732 stable

PPIL6 0.028609416 3.205241276 1.529906933 0.134178868 0.568126446 -5.835810726 stable

PMM2 -0.14180155 8.789575404 -1.5297182 0.134225513 0.568126446 -5.836087563 stable

LOC100131581 -0.024664628 2.491650587 -1.529670242 0.134237368 0.568126446 -5.836157904 stable

TFAP4 -0.115788677 5.922468087 -1.529602459 0.134254125 0.568126446 -5.836257319 stable

MIR6787 /// SLC16A3 0.25931186 9.978569815 1.529597881 0.134255257 0.568126446 -5.836264033 stable

ORAI1 0.076555535 9.547393328 1.529529611 0.134272136 0.568126446 -5.836364158 stable

LOC101060373 /// NOMO1 /// NOMO2 /// NOMO3 -0.094810728 11.79210285 -1.529263918 0.134337843 0.568231743 -5.836753787 stable

LINC01227 0.005198435 2.818705651 1.529233613 0.134345339 0.568231743 -5.836798225 stable

AP001189.4 -0.507479358 8.216457355 -1.528985757 0.134406661 0.568258354 -5.837161637 stable

AGTR1 0.005356977 2.827298896 1.528915694 0.134423999 0.568258354 -5.837264355 stable

MDS2 -0.139589237 4.181422671 -1.528832999 0.134444465 0.568258354 -5.837385588 stable

PCNA 0.104453417 10.36173428 1.528744879 0.134466277 0.568258354 -5.837514767 stable

MNX1 -0.055384865 3.125759289 -1.528719305 0.134472608 0.568258354 -5.837552256 stable

SUPT16H 0.05885604 10.97003336 1.528622442 0.134496588 0.568258354 -5.837694242 stable

PGK1 -0.155827626 8.060335164 -1.528358696 0.134561901 0.568432198 -5.838080815 stable

MAP7D2 -0.067436736 2.422452576 -1.527816383 0.134696277 0.56872793 -5.838875495 stable

CREB3L2 0.081427017 9.919406245 1.527784495 0.134704181 0.56872793 -5.838922213 stable

LOC100132078 0.006340683 2.103172004 1.527710015 0.134722645 0.56872793 -5.839031331 stable

SLC5A9 0.007803762 2.73468593 1.527490934 0.134776969 0.56872793 -5.839352271 stable

MIR133A1HG 0.008387001 3.081121255 1.527456745 0.134785448 0.56872793 -5.839402353 stable

PCGF2 -0.036749288 2.62345295 -1.52736252 0.134808819 0.56872793 -5.839540372 stable

PHF14 0.008962145 3.271032175 1.527254637 0.134835581 0.56872793 -5.839698387 stable

PSTPIP1 0.17453127 10.50171989 1.527186337 0.134852526 0.56872793 -5.839798421 stable

GPR137B 0.183980163 8.648659503 1.527156158 0.134860014 0.56872793 -5.839842619 stable

LIN9 0.004665582 2.60235174 1.527100987 0.134873704 0.56872793 -5.839923421 stable

BC038731 /// CTD-2284J15.1 -0.038678985 2.607175494 -1.526975614 0.134904818 0.568732281 -5.840107025 stable

TLDC1 0.135567061 4.720408228 1.52676694 0.134956616 0.568732281 -5.840412589 stable

IGLC1 /// IGLV2-5 /// IGLV2-5 -0.199505641 4.038772989 -1.526673999 0.134979692 0.568732281 -5.840548674 stable

MRPL18 0.100534491 10.68114633 1.526559052 0.135008236 0.568732281 -5.840716968 stable

CTC-444N24.11 0.148398094 10.01996746 1.526551052 0.135010223 0.568732281 -5.840728681 stable

C7orf73 /// LOC101930655 -0.102381236 11.2486959 -1.526512429 0.135019815 0.568732281 -5.840785226 stable

LINC01137 0.266672128 6.202431362 1.526367448 0.135055826 0.56878211 -5.840997472 stable

TSPYL4 -0.116030566 9.673180359 -1.525896922 0.135172751 0.569172625 -5.841686177 stable

ADAD2 -0.060026694 3.759016368 -1.525701466 0.135221346 0.569275331 -5.84197221 stable

PDE1B -0.089428971 2.556823341 -1.525340142 0.135311216 0.569551737 -5.84250089 stable

CLCN2 -0.038090216 3.637254792 -1.525080378 0.135375855 0.569721861 -5.842880902 stable

HAGLR 0.017788819 3.025544643 1.524951433 0.13540795 0.569750505 -5.843069515 stable

PNPT1 -0.062599713 9.509576908 -1.524783329 0.135449802 0.569750505 -5.843315386 stable

DMRTA2 -0.010033064 3.258309569 -1.524761127 0.13545533 0.569750505 -5.843347858 stable

NCF1 -0.229111498 11.21897895 -1.524624898 0.135489255 0.569791306 -5.84354709 stable

RPS6KA2 -0.092673216 5.067931017 -1.52449513 0.135521577 0.569825352 -5.843736856 stable

LINC01267 0.007325048 3.079740847 1.524136878 0.135610842 0.570079028 -5.844260675 stable

EHHADH 0.04821566 3.889074804 1.523989106 0.135647675 0.570079028 -5.844476708 stable

PEX1 -0.106404259 6.90846711 -1.523902383 0.135669296 0.570079028 -5.844603483 stable

CDKN1C 0.440478711 8.808439234 1.523864033 0.135678857 0.570079028 -5.844659542 stable

SAA2-SAA4 /// SAA4 -0.056855335 2.85531873 -1.523710964 0.135717027 0.570087373 -5.844883284 stable

CRIPAK -0.162265943 9.379194185 -1.523661679 0.135729318 0.570087373 -5.844955319 stable

RP11-6F2.5 0.010407409 2.827206374 1.523468531 0.135777497 0.570093922 -5.845237608 stable

NR1H4 0.003701387 2.315890885 1.523431799 0.135786661 0.570093922 -5.845291288 stable

MAP4K4 -0.356490729 6.843746499 -1.523331154 0.135811773 0.570093922 -5.845438367 stable

LOC440330 -0.048093072 3.794660051 -1.523266817 0.135827828 0.570093922 -5.845532381 stable

KRIT1 -0.039315064 7.045872604 -1.523010189 0.135891882 0.57026101 -5.845907354 stable

CCNH 0.060237529 10.16478432 1.522728181 0.135962299 0.570454734 -5.846319346 stable

TENM1 0.023746347 2.508612298 1.522623875 0.135988352 0.570462283 -5.846471711 stable

LOC102723886 0.007496439 2.58219685 1.522262457 0.136078654 0.570726009 -5.846999584 stable

TMEM9B 0.055452499 11.39843971 1.522127013 0.136112507 0.570726009 -5.847197378 stable

BLMH 0.099010739 9.08731251 1.522080987 0.136124013 0.570726009 -5.847264589 stable

CTTNBP2NL 0.207804872 6.19270157 1.521937232 0.136159954 0.570762791 -5.847474499 stable

BASP1 -0.179081402 11.61260736 -1.521846607 0.136182615 0.570762791 -5.847606819 stable

LINC00260 0.202501015 5.833668281 1.521750096 0.136206752 0.570762791 -5.847747726 stable

LOC101927974 0.284429219 5.836014909 1.521657751 0.13622985 0.570762791 -5.847882545 stable

C1orf200 -0.059529282 4.077574857 -1.521549065 0.13625704 0.570775037 -5.848041209 stable

ARPC1B -0.058211002 13.25633179 -1.521450324 0.136281745 0.570776874 -5.848185347 stable

SULT1E1 -0.006927617 2.853260275 -1.521305488 0.13631799 0.570788392 -5.848396757 stable

ENC1 0.297317986 4.907959062 1.521245398 0.136333029 0.570788392 -5.848484463 stable

AC104537.2 /// TCEB1P28 0.008113709 2.631612552 1.521094005 0.136370927 0.570845447 -5.848705417 stable

GAGE12B /// GAGE12C /// GAGE12D /// GAGE12E /// GAGE12F /// GAGE12G /// GAGE12H /// GAGE12I /// GAGE2A /// GAGE2C /// GAGE4 /// GAGE5 /// GAGE6 /// GAGE7 0.003719121 2.344442538 1.520824922 0.136438306 0.570912049 -5.84909809 stable

CTB-102L5.7 -0.069360373 3.178344111 -1.520728226 0.136462525 0.570912049 -5.849239183 stable

LINC00328 0.150879377 3.741404639 1.520718711 0.136464908 0.570912049 -5.849253067 stable

IRS1 -0.232898008 7.072682038 -1.520642789 0.136483927 0.570912049 -5.849363841 stable

BC038194 /// RP11-550P17.5 0.010345223 3.113438999 1.520534235 0.136511124 0.57092428 -5.84952222 stable

MRPS14 0.10077486 9.539594512 1.520271785 0.136576896 0.571097808 -5.849905088 stable

PPP2R5E 0.072985118 10.53584487 1.519838588 0.136685514 0.571366868 -5.850536919 stable

C6orf118 0.002940592 2.307628577 1.519821401 0.136689825 0.571366868 -5.850561983 stable

PROM2 0.014118484 3.02416001 1.519690492 0.136722662 0.571402584 -5.850752884 stable

KLF13 /// LOC100499221 0.055360955 2.971964413 1.5194413 0.136785189 0.571425366 -5.851116235 stable

MTA3 -0.127752235 6.894617591 -1.519405113 0.136794271 0.571425366 -5.851168995 stable

EFR3B -0.029865265 2.696405738 -1.519378315 0.136800996 0.571425366 -5.851208066 stable

SPECC1L 0.084237128 8.981011157 1.519064306 0.136879826 0.571653123 -5.851665834 stable

REV3L 0.114676343 9.379217011 1.518870297 0.136928549 0.571755086 -5.851948623 stable

SCYL2 0.065749487 9.457805707 1.518532758 0.13701335 0.5719779 -5.852440544 stable

PLEKHG1 -0.457447541 6.297700937 -1.518349452 0.137059421 0.5719779 -5.85270765 stable

HPS5 0.070701588 9.217676873 1.518306249 0.137070281 0.5719779 -5.8527706 stable

LOC100505824 0.006020769 2.894849021 1.518270845 0.137079181 0.5719779 -5.852822184 stable

SPATA2 0.180243642 7.29545804 1.517655531 0.137233937 0.572479883 -5.853718542 stable

AOX1 -0.024391867 2.638734643 -1.517512392 0.137269958 0.572479883 -5.853927014 stable

FAF2 0.098090717 7.637216035 1.517502281 0.137272503 0.572479883 -5.853941739 stable

DCAF4L1 0.015004986 3.354004385 1.517343249 0.137312532 0.572545307 -5.854173335 stable

RP11-644F5.11 0.069117141 4.887151236 1.517048969 0.13738663 0.572752732 -5.854601836 stable

LDLRAD4 0.145031983 8.187645291 1.516834011 0.137440774 0.572876919 -5.854914789 stable

PGK2 -0.028489942 3.147910612 -1.516649728 0.137487206 0.572888048 -5.855183052 stable

BMS1 -0.062182297 8.73121871 -1.516630081 0.137492157 0.572888048 -5.85521165 stable

PF4V1 -0.555011794 10.81037161 -1.516417215 0.137545808 0.572926531 -5.855521482 stable

CPT1A 0.144915104 10.77464538 1.516400153 0.137550109 0.572926531 -5.855546315 stable

FAM131A 0.172166705 8.324749695 1.516199226 0.137600767 0.573036057 -5.85583873 stable

OXSM 0.154600515 8.288924518 1.515806206 0.1376999 0.57334738 -5.856410607 stable

PRKAG2-AS1 -0.123905599 7.689486201 -1.515573179 0.137758704 0.573490706 -5.856749619 stable

CTNNBL1 -0.077798458 9.716427229 -1.515320263 0.13782255 0.573497693 -5.857117512 stable

DLGAP1-AS2 0.006643756 2.672941237 1.515318138 0.137823087 0.573497693 -5.857120603 stable

CD8B /// LOC100996919 -0.057454197 3.189988773 -1.51518231 0.137857385 0.573497693 -5.857318157 stable

DDX41 -0.070719063 10.48979636 -1.515180222 0.137857912 0.573497693 -5.857321194 stable

AL022344.5 0.094992651 3.159358419 1.51502296 0.137897631 0.573516812 -5.857549902 stable

UBE2F 0.078100522 11.93298799 1.514968951 0.137911274 0.573516812 -5.857628443 stable

LOC100505985 0.005342113 2.749973 1.514466885 0.138038151 0.573942965 -5.858358441 stable

C12orf74 0.012517044 3.197138529 1.51434985 0.13806774 0.573964531 -5.858528577 stable

MS4A2 -0.488581011 5.495829973 -1.514219511 0.138100699 0.574000096 -5.85871804 stable

SAMD8 -0.091767187 7.876773516 -1.514086396 0.138134366 0.574038592 -5.858911524 stable

UQCRC2 -0.03832331 11.56039822 -1.513958646 0.138166683 0.574061905 -5.859097195 stable

SELT 0.076276483 12.2523724 1.513871272 0.138188789 0.574061905 -5.859224176 stable

CMC2 -0.070026821 10.1204731 -1.513568076 0.138265522 0.57427924 -5.859664762 stable

PPME1 0.106458359 7.596691935 1.513407442 0.138306189 0.574323563 -5.859898153 stable

DGCR14 /// TSSK2 0.102016816 7.764252074 1.51333304 0.138325028 0.574323563 -5.860006248 stable

UBAC1 -0.096965711 9.518332136 -1.513103163 0.138383248 0.574353633 -5.860340192 stable

SLC6A11 0.004139058 2.422854375 1.512912853 0.138431462 0.574353633 -5.860616624 stable

PACS1 -0.132127112 7.482732589 -1.51286911 0.138442546 0.574353633 -5.860680157 stable

ARL8B 0.08425123 11.66140896 1.51284811 0.138447867 0.574353633 -5.860710658 stable

ATG4A 0.088906551 8.34335246 1.512678697 0.138490802 0.574353633 -5.860956701 stable

S100A16 0.047591262 2.794821953 1.512654251 0.138496998 0.574353633 -5.860992202 stable

GBA2 0.122044567 9.093958412 1.512355637 0.138572706 0.574353633 -5.86142582 stable

GTPBP6 -0.107598339 9.60040257 -1.512182713 0.138616563 0.574353633 -5.861676888 stable

PRKCDBP -0.105736534 3.464463702 -1.512110272 0.138634938 0.574353633 -5.861782059 stable

LOC440864 /// MSH6 0.004073814 2.612561055 1.512057858 0.138648235 0.574353633 -5.861858151 stable

FAM161A -0.02432025 2.45384527 -1.512012248 0.138659806 0.574353633 -5.861924362 stable

IRF9 /// RNF31 0.056393598 9.305309742 1.511977523 0.138668617 0.574353633 -5.861974772 stable

GPR4 -0.022550343 3.39866634 -1.51196529 0.138671721 0.574353633 -5.86199253 stable

KIAA0408 0.012222121 3.319077459 1.511856083 0.138699432 0.574353633 -5.862151054 stable

MAGI2-AS2 0.00632691 2.262966111 1.511826512 0.138706937 0.574353633 -5.862193978 stable

ZSCAN30 0.028161984 2.210640827 1.511763335 0.13872297 0.574353633 -5.862285678 stable

AQP2 0.026762506 2.925161079 1.510851725 0.138954497 0.574889381 -5.8636085 stable

LCP1 0.068941251 13.78102951 1.510768122 0.138975745 0.574889381 -5.863729779 stable

MAPK8 0.144896086 4.634491019 1.510538849 0.139034031 0.574889381 -5.864062347 stable

USP51 0.045135453 2.683226322 1.510535884 0.139034785 0.574889381 -5.864066646 stable

IFNA1 0.008809035 2.784312596 1.510519799 0.139038874 0.574889381 -5.864089976 stable

GPATCH3 0.179476534 6.52408446 1.510405482 0.139067944 0.574889381 -5.864255777 stable

PIGC 0.078214211 10.21661784 1.510397171 0.139070058 0.574889381 -5.864267831 stable

SRRM2 -0.188702564 6.956924419 -1.51032195 0.139089189 0.574889381 -5.864376922 stable

PTPRR 0.003987789 2.308011881 1.510109697 0.139143182 0.574889381 -5.864684721 stable

SLC4A4 0.012692278 2.743497821 1.510081056 0.139150469 0.574889381 -5.864726252 stable

LOC100506248 /// LOC728026 /// MIR1244-1 /// MIR1244-2 /// MIR1244-3 /// PTMA -0.06451281 13.58811646 -1.51003476 0.139162248 0.574889381 -5.864793383 stable

LOC101928708 0.018708159 2.467921003 1.509889901 0.139199111 0.574889381 -5.865003419 stable

C18orf49 /// ZCCHC2 0.090823262 4.166171959 1.509841755 0.139211365 0.574889381 -5.865073224 stable

OR1A1 -0.002618045 2.08265222 -1.50979831 0.139222423 0.574889381 -5.865136211 stable

PON1 0.013305935 2.733130031 1.509720526 0.139242223 0.574889381 -5.865248979 stable

DNAJC21 0.101948785 6.813279893 1.509658108 0.139258113 0.574889381 -5.865339467 stable

NPLOC4 -0.081673436 10.21196352 -1.509619765 0.139267875 0.574889381 -5.865395051 stable

IKBKAP 0.077051028 4.275812495 1.509324415 0.139343089 0.575047786 -5.865823167 stable

TRAV12-2 0.10450673 4.706619791 1.509277081 0.139355146 0.575047786 -5.865891771 stable

VASH1 0.509693517 6.012520346 1.508782918 0.13948107 0.575466452 -5.866607884 stable

UQCR11 -0.0581419 12.45456448 -1.508397763 0.139579279 0.575648839 -5.867165883 stable

GINS2 0.022579641 4.676114045 1.508264616 0.139613243 0.575648839 -5.867358753 stable

TMEM196 0.008161579 2.937226394 1.508110333 0.139652606 0.575648839 -5.867582219 stable

PGM3 0.089914115 7.205515898 1.507955067 0.139692229 0.575648839 -5.867807089 stable

LPXN 0.06992753 12.13477265 1.507889024 0.139709085 0.575648839 -5.867902733 stable

CCIN -0.018854339 2.481858582 -1.507856106 0.139717488 0.575648839 -5.867950404 stable

MERTK 0.486184035 5.921493129 1.507758115 0.139742503 0.575648839 -5.868092303 stable

DGKA -0.194247611 11.9056228 -1.507750541 0.139744436 0.575648839 -5.868103271 stable

RP11-295P9.12 0.016799271 3.564421569 1.507718618 0.139752587 0.575648839 -5.868149498 stable

COPB2 0.081218108 11.08153449 1.507650359 0.139770015 0.575648839 -5.868248336 stable

IL22 -0.010027791 2.453232945 -1.507066072 0.139919269 0.576026215 -5.869094217 stable

LOC101929709 -0.100233789 4.240111619 -1.507050107 0.139923349 0.576026215 -5.869117326 stable

NPFFR1 -0.009727436 2.753948517 -1.507004075 0.139935113 0.576026215 -5.869183955 stable

ZNF747 /// ZNF768 -0.119034948 7.657170814 -1.50685294 0.139973744 0.576084416 -5.8694027 stable

TRABD2A -0.252714323 11.32330633 -1.506486476 0.14006745 0.57628118 -5.869933021 stable

AGK 0.014907774 2.882727225 1.506423397 0.140083585 0.57628118 -5.870024292 stable

DLST 0.077813229 10.69678633 1.506378556 0.140095055 0.57628118 -5.870089172 stable

WHAMMP2 /// WHAMMP3 -0.314887207 9.078158253 -1.506070479 0.140173882 0.576393033 -5.870534882 stable

FAM149B1 0.008400235 2.853450977 1.506009483 0.140189494 0.576393033 -5.87062312 stable

ZBTB14 0.080858359 8.376668761 1.50598499 0.140195763 0.576393033 -5.87065855 stable

IRAK3 -0.438000691 5.779834811 -1.505541074 0.140309424 0.576678977 -5.87130061 stable

C14orf180 0.00600472 2.045065968 1.505521848 0.140314348 0.576678977 -5.871328414 stable

PLAGL2 0.2979148 7.585129025 1.505325314 0.140364694 0.576693495 -5.871612615 stable

RS1 0.010928856 3.194259419 1.50523456 0.140387947 0.576693495 -5.87174384 stable

BC017398 /// CTD-2314B22.3 /// DQ786293 /// DUXAP10 /// LL22NC03-N64E9.1 0.023276868 3.150903264 1.505220947 0.140391435 0.576693495 -5.871763523 stable

NPTN -0.067113476 12.56978538 -1.505098369 0.140422848 0.576721811 -5.871940751 stable

THBS2 0.003376315 2.464358952 1.504806094 0.140497771 0.576792082 -5.872363282 stable

DQ582785 0.004799644 2.725774133 1.504675144 0.14053135 0.576792082 -5.872552569 stable

C1orf167 -0.005240828 2.454753683 -1.504656098 0.140536234 0.576792082 -5.872580097 stable

SPHK1 -0.213854802 7.277555125 -1.504649027 0.140538048 0.576792082 -5.872590318 stable

OR1F2P 0.005685442 2.74986656 1.504346476 0.140615656 0.577009919 -5.873027588 stable

MCF2L2 0.014289938 3.260480141 1.504074648 0.140685413 0.577093131 -5.873420387 stable

RP11-540O11.1 -0.031676893 2.278552512 -1.503947704 0.140718 0.577093131 -5.873603803 stable

RGS14 0.093750766 10.0491362 1.503827662 0.14074882 0.577093131 -5.873777235 stable

CTNND2 0.003765751 2.772482501 1.503778036 0.140761562 0.577093131 -5.873848929 stable

ABCB8 /// ASIC3 -0.087691146 2.759907556 -1.503740257 0.140771263 0.577093131 -5.873903505 stable

GUCA2A -0.096966377 3.715650022 -1.503598625 0.140807638 0.577093131 -5.874108103 stable

CHTOP 0.078426424 10.42252195 1.503598456 0.140807681 0.577093131 -5.874108347 stable

DCHS1 -0.138038449 4.643651374 -1.503266792 0.14089289 0.577286122 -5.874587391 stable

NUFIP1 -0.115799509 7.031027478 -1.503224117 0.140903857 0.577286122 -5.874649023 stable

C12orf45 -0.112463268 7.839812991 -1.503072015 0.14094295 0.577287986 -5.874868677 stable

ZXDA /// ZXDB 0.171057065 4.887702597 1.502993192 0.140963213 0.577287986 -5.8749825 stable

SLC26A1 0.006177075 2.619611688 1.502935897 0.140977943 0.577287986 -5.875065231 stable

OR2M4 0.004715406 2.811026365 1.502730416 0.14103078 0.577312443 -5.875361916 stable

TGFBRAP1 0.045367729 5.127456019 1.502720106 0.141033431 0.577312443 -5.875376801 stable

GPATCH2L 0.084802281 7.619258841 1.502564658 0.141073414 0.577312443 -5.87560122 stable

MARCKSL1 -0.114107566 10.7322283 -1.502440522 0.141105349 0.577312443 -5.875780419 stable

LOC102725451 /// TPTEP1 -0.052244573 3.293766688 -1.502435512 0.141106638 0.577312443 -5.875787651 stable

SPPL2B -0.04897638 2.516328106 -1.502070449 0.141200589 0.577515521 -5.876314568 stable

TSNAX 0.072040591 10.98292481 1.501892627 0.141246371 0.577515521 -5.876571189 stable

LL22NC03-N14H11.1 -0.081539234 2.737881894 -1.501788873 0.141273088 0.577515521 -5.876720907 stable

MARS /// MIR6758 -0.069954822 10.37164094 -1.501740956 0.141285428 0.577515521 -5.876790047 stable

BC037970 /// RP11-94M14.2 0.009946299 3.209283842 1.501550192 0.141334566 0.577515521 -5.877065289 stable

GRM8 0.00301777 2.314506864 1.501340376 0.141388627 0.577515521 -5.877367985 stable

PCDHGC4 0.003011265 2.333035737 1.501296072 0.141400044 0.577515521 -5.877431895 stable

AFTPH -0.068726948 11.28870142 -1.501150782 0.141437491 0.577515521 -5.877641474 stable

ABCC9 0.003799845 2.580401424 1.501092376 0.141452547 0.577515521 -5.877725718 stable

RCAN1 0.142121461 9.165272209 1.501021985 0.141470694 0.577515521 -5.877827245 stable

KIF13B 0.144669921 8.091193214 1.500956843 0.14148749 0.577515521 -5.877921199 stable

AOC2 -0.015377893 2.34616488 -1.500917173 0.141497719 0.577515521 -5.877978412 stable

CPSF3L /// MIR6727 -0.049806334 9.981086123 -1.500859752 0.141512526 0.577515521 -5.878061225 stable

CA12 0.003535876 2.402641575 1.500762436 0.141537623 0.577515521 -5.878201567 stable

FRAT2 0.262655155 10.81930234 1.500608046 0.141577447 0.577515521 -5.8784242 stable

LOC101927552 -0.013726677 2.442553559 -1.500425593 0.141624521 0.577515521 -5.878687275 stable

LOC338620 0.06332537 4.096761322 1.500389695 0.141633784 0.577515521 -5.878739032 stable

EVC2 0.003385778 2.322751973 1.500173101 0.141689686 0.577515521 -5.879051289 stable

LOC103344931 0.072216241 6.71838011 1.50016311 0.141692265 0.577515521 -5.879065692 stable

DUSP4 -0.175116408 3.262233605 -1.500080844 0.141713502 0.577515521 -5.879184282 stable

UGT2B17 -0.095574704 3.048479321 -1.500031303 0.141726293 0.577515521 -5.879255695 stable

VPS52 -0.056691906 10.34266004 -1.499893716 0.141761819 0.577515521 -5.879454012 stable

CLEC3A 0.00441441 2.423778378 1.499870983 0.14176769 0.577515521 -5.879486779 stable

KCNQ1 -0.159488622 9.017588574 -1.499827278 0.141778977 0.577515521 -5.879549771 stable

ANKRD18A 0.011226548 2.727965933 1.499796717 0.14178687 0.577515521 -5.879593818 stable

FBXO17 0.005399501 2.639771696 1.499709916 0.14180929 0.577515521 -5.879718918 stable

CDCA4 0.080846856 8.590612143 1.499671513 0.141819211 0.577515521 -5.879774263 stable

IGFN1 0.00928422 3.345987191 1.499162432 0.141950767 0.577951183 -5.880507816 stable

HIATL1 0.141818692 10.23392727 1.498854335 0.142030432 0.578142469 -5.880951656 stable

RP11-248J18.2 -0.023461976 3.304797398 -1.498790633 0.142046908 0.578142469 -5.881043415 stable

FGF20 0.003904968 2.71271128 1.498291528 0.142176051 0.578347725 -5.881762221 stable

LOC150776 /// SMPD4 -0.079446798 8.860589566 -1.498136082 0.142216291 0.578347725 -5.881986048 stable

FAM120AOS -0.141894826 8.045899407 -1.498107885 0.142223592 0.578347725 -5.882026647 stable

C11orf54 0.041481001 2.995125769 1.498087062 0.142228983 0.578347725 -5.882056628 stable

RP11-464F9.20 -0.013637816 2.313825743 -1.497720473 0.142323925 0.578347725 -5.882584385 stable

CHRM3-AS2 -0.30183025 9.785653585 -1.497527234 0.142373992 0.578347725 -5.882862535 stable

SFRP2 -0.019278073 2.901520333 -1.49751505 0.142377149 0.578347725 -5.882880071 stable

RPL23A 0.01757912 15.35745508 1.497510978 0.142378205 0.578347725 -5.882885932 stable

P2RY4 0.011310478 2.153143673 1.497499398 0.142381205 0.578347725 -5.882902598 stable

HIST1H3I -0.008668073 3.065790359 -1.497468003 0.142389341 0.578347725 -5.882947786 stable

JAG2 0.133497801 4.74173721 1.497434019 0.142398148 0.578347725 -5.882996697 stable

abParts /// IGKC /// IGKV4-1 /// IGKV4-1 -0.478991526 10.40671127 -1.497400038 0.142406955 0.578347725 -5.883045603 stable

RAB3IL1 -0.079451123 7.672769478 -1.497361322 0.14241699 0.578347725 -5.883101324 stable

HOXB2 0.309691071 9.403794825 1.496930182 0.142528773 0.57864635 -5.883721732 stable

LINC00615 0.004771443 2.566298623 1.496887942 0.142539728 0.57864635 -5.883782506 stable

NPSR1-AS1 0.003343456 2.12711592 1.496719359 0.142583459 0.578723994 -5.884025048 stable

FNTA 0.057678006 12.57926962 1.496564542 0.142623629 0.578787158 -5.884247762 stable

SH3GL1P1 /// SH3GL1P2 0.114310887 4.096826395 1.496403674 0.142665377 0.578844103 -5.884479158 stable

RP11-413B19.2 0.008497469 3.204234752 1.496250024 0.142705262 0.578844103 -5.884700153 stable

SNRNP25 -0.155253425 9.307438129 -1.496226035 0.14271149 0.578844103 -5.884734654 stable

POMC -0.104077744 5.097881523 -1.496051927 0.142756698 0.578927635 -5.884985046 stable

ASZ1 0.010131605 3.000132169 1.495698376 0.142848533 0.579200197 -5.885493419 stable

IFNA4 0.002823062 2.302094921 1.495426844 0.142919096 0.579386427 -5.885883785 stable

PPID 0.110076994 10.23501072 1.495216623 0.142973745 0.579416906 -5.886185964 stable

SGMS1 0.126845843 7.965671925 1.495194579 0.142979476 0.579416906 -5.886217649 stable

RP11-420K14.2 -0.236225826 4.122566498 -1.495113665 0.143000516 0.579416906 -5.886333946 stable

NEDD4L -0.040103161 2.44460354 -1.495011146 0.143027177 0.579425117 -5.886481288 stable

FOXJ1 -0.073964729 3.495508856 -1.494663525 0.143117608 0.579691623 -5.886980827 stable

DCLRE1B 0.260630768 6.291877775 1.494478795 0.143165683 0.579786505 -5.887246246 stable

BC035096 /// RP11-433J8.1 0.005412199 2.278942409 1.494317888 0.143207568 0.579856293 -5.887477411 stable

ZNF781 -0.084351247 4.16471801 -1.494142014 0.143253361 0.579941876 -5.887730055 stable

MARK1 0.013039445 3.077002137 1.493632486 0.143386093 0.580379333 -5.888461843 stable

RP11-1114A5.4 0.108723925 4.370663872 1.493516906 0.143416216 0.580401378 -5.888627809 stable

BEND6 0.015697999 3.167034599 1.493006967 0.143549176 0.580742033 -5.889359915 stable

UFM1 -0.108711172 11.54063483 -1.493004683 0.143549772 0.580742033 -5.889363194 stable

LOC102724508 -0.063992823 3.238246207 -1.492887716 0.143580283 0.580745796 -5.889531089 stable

CNOT10 -0.06015405 8.889317906 -1.492811825 0.143600083 0.580745796 -5.889640017 stable

EXOG 0.084224161 7.685027174 1.492406263 0.143705928 0.580980016 -5.890222045 stable

CWC15 -0.05510911 11.15617632 -1.492400628 0.143707399 0.580980016 -5.890230131 stable

PRKCB -0.090819443 11.84513696 -1.492173455 0.143766715 0.581119937 -5.890556087 stable

PHF5A 0.091500855 10.05316232 1.491828494 0.143856824 0.581334832 -5.891050966 stable

TMEM223 -0.018261279 2.740265749 -1.491780704 0.143869311 0.581334832 -5.891119517 stable

BC042029 0.0061948 2.719574007 1.49133647 0.143985425 0.581704085 -5.891756644 stable

MIR124-2HG 0.005163537 2.725188093 1.491159525 0.144031696 0.581758711 -5.892010375 stable

HAUS8 0.081518227 6.371345906 1.490969998 0.14408127 0.581758711 -5.892282118 stable

CLEC18A /// CLEC18C -0.051574922 2.539682555 -1.490967843 0.144081834 0.581758711 -5.892285207 stable

IFI27L1 -0.101980005 6.93647417 -1.490906506 0.144097881 0.581758711 -5.892373145 stable

ZCCHC2 0.092468572 9.144302978 1.490491849 0.144206399 0.582022201 -5.892967548 stable

TMEM178B 0.010697951 2.808160269 1.490390409 0.144232956 0.582022201 -5.893112937 stable

MTRR -0.085336051 9.025653238 -1.490276985 0.144262656 0.582022201 -5.893275493 stable

CCRN4L 0.047690039 3.944788839 1.490263978 0.144266062 0.582022201 -5.893294133 stable

NAT8L -0.10797628 5.338453106 -1.490159899 0.144293319 0.582022201 -5.893443285 stable

ATP6V1C2 0.011936842 3.066294683 1.490090051 0.144311614 0.582022201 -5.893543376 stable

COPS4 0.065671544 10.42198204 1.489948375 0.144348728 0.582072079 -5.893746384 stable

C1QL1 -0.065268635 3.710386222 -1.489713537 0.144410264 0.582119174 -5.894082845 stable

FAM217A 0.004518407 2.905206634 1.489632444 0.144431518 0.582119174 -5.894199019 stable

LOC100133920 /// LOC100996643 /// LOC101928195 /// LOC101929583 /// LOC286297 0.024752352 3.808722416 1.489620479 0.144434654 0.582119174 -5.894216159 stable

HLF 0.010426843 3.05826851 1.489320022 0.144513425 0.582336865 -5.894646541 stable

RP11-24P14.1 0.016412541 2.782012562 1.489213609 0.144541332 0.58234955 -5.894798952 stable

RP5-1170D6.1 0.005737342 2.546352973 1.488954074 0.144609413 0.582486662 -5.895170632 stable

ZBTB20 -0.193928212 9.896608417 -1.488449182 0.144741928 0.582486662 -5.895893521 stable

OCIAD1 -0.053591241 11.63907779 -1.488310592 0.14477832 0.582486662 -5.896091912 stable

ANKRD30BP3 0.002482445 2.128825111 1.488250213 0.144794177 0.582486662 -5.896178337 stable

LOC101928303 -0.014255437 2.256984188 -1.488227325 0.144800188 0.582486662 -5.896211099 stable

C20orf141 -0.037596683 2.519754652 -1.488218544 0.144802494 0.582486662 -5.896223668 stable

TIAM1 0.104091921 8.263415188 1.488088007 0.144836783 0.582486662 -5.896410506 stable

AQP4 0.006357117 2.796173251 1.487996256 0.144860887 0.582486662 -5.89654182 stable

CERK 0.101625506 10.86034364 1.487969088 0.144868025 0.582486662 -5.896580701 stable

C1orf54 -0.207260346 7.561723949 -1.487966675 0.144868659 0.582486662 -5.896584154 stable

TUBGCP3 0.177188976 5.557604027 1.48793651 0.144876584 0.582486662 -5.896627324 stable

ZNF16 0.206181173 5.992811417 1.487894125 0.144887722 0.582486662 -5.896687981 stable

LINC00086 -0.081089323 2.459120746 -1.487746874 0.144926419 0.582486662 -5.8968987 stable

MAGEA3 /// MAGEA6 -0.002618258 2.344443348 -1.487661309 0.144948909 0.582486662 -5.897021137 stable

LOC101929752 -0.003040787 2.126753377 -1.487570378 0.144972812 0.582486662 -5.897151243 stable

FAM222B 0.069842606 9.365402187 1.487503143 0.144990489 0.582486662 -5.897247441 stable

AGXT 0.004945412 2.65094003 1.487480809 0.144996361 0.582486662 -5.897279396 stable

MFGE8 -0.220491206 6.548934519 -1.487255463 0.14505562 0.582592619 -5.897601782 stable

WHAMMP2 -0.431008617 9.487603321 -1.487192142 0.145072275 0.582592619 -5.897692362 stable

OR2K2 0.024423954 3.042412862 1.486918806 0.145144186 0.582777985 -5.898083331 stable

ZNF879 0.146207632 7.699944209 1.486711814 0.145198662 0.582777985 -5.898379362 stable

KMT2A /// LOC101929115 -0.13229197 7.418156264 -1.486640756 0.145217366 0.582777985 -5.898480976 stable

KRTAP17-1 0.005563746 2.348380699 1.486640095 0.145217541 0.582777985 -5.898481922 stable

IL27 0.002025373 1.838979813 1.486430054 0.145272841 0.58290046 -5.898782262 stable

LRP6 -0.011011048 2.695695006 -1.486292882 0.145308966 0.582945963 -5.898978386 stable

MTMR4 -0.067830818 9.279286276 -1.485860301 0.145422933 0.583303685 -5.899596769 stable

GS1-166A23.2 -0.070280946 3.033354007 -1.48574117 0.145454332 0.583330151 -5.899767041 stable

TRIP6 -0.185311619 7.462848528 -1.48496234 0.145659736 0.583990051 -5.90087991 stable

CAHM -0.082491625 4.476589748 -1.484903068 0.145675378 0.583990051 -5.900964582 stable

RP11-255C15.3 0.023934 2.80616046 1.484834916 0.145693364 0.583990051 -5.901061936 stable

BCO2 -0.013090168 2.336593755 -1.484405406 0.14580676 0.584345001 -5.901675393 stable

KIRREL3-AS3 0.003762084 2.242236508 1.484135517 0.145878051 0.584531112 -5.902060788 stable

POLE -0.085498624 7.741210626 -1.484003874 0.145912834 0.584570901 -5.902248748 stable

PCDHA10 -0.043310386 3.208251447 -1.483856189 0.145951863 0.584627685 -5.902459594 stable

USP2-AS1 0.035066723 3.632653287 1.483657751 0.146004318 0.584738221 -5.90274287 stable

FAM187B 0.003262464 2.274576761 1.483511765 0.146042918 0.584793238 -5.902951249 stable

CCNA1 -0.092404778 3.184662678 -1.482831103 0.146222997 0.58536902 -5.903922573 stable

FAM216A -0.092477683 7.715550149 -1.482675053 0.146264307 0.58536902 -5.904145205 stable

FAM132B 0.051392953 2.231646845 1.48262266 0.146278179 0.58536902 -5.904219947 stable

GPR55 0.024784564 2.218065145 1.482375376 0.146343665 0.58536902 -5.904572687 stable

TMEM187 0.186033278 7.977038686 1.482256389 0.146375183 0.58536902 -5.904742397 stable

LOC101927543 -0.042645004 3.817053083 -1.482199016 0.146390383 0.58536902 -5.904824224 stable

C20orf195 -0.01549847 2.457011621 -1.48213364 0.146407704 0.58536902 -5.904917461 stable

IFNGR1 0.129694266 12.13069591 1.48213187 0.146408173 0.58536902 -5.904919985 stable

RP11-805I24.3 -0.060923658 4.800604804 -1.482111268 0.146413632 0.58536902 -5.904949366 stable

TRIM24 0.062560994 4.100241109 1.482015035 0.146439132 0.58536902 -5.905086602 stable

AKAP8L -0.043650988 8.012813496 -1.481887427 0.146472952 0.58536902 -5.905268568 stable

CSNK2A1 0.083759566 9.353464513 1.481758463 0.146507138 0.58536902 -5.905452454 stable

SMCR8 0.105986335 2.827680682 1.481680111 0.14652791 0.58536902 -5.905564168 stable

STK17A 0.146796826 11.78501845 1.48165288 0.14653513 0.58536902 -5.905602991 stable

THAP1 0.137950792 8.905807602 1.481313741 0.146625072 0.585628855 -5.906086462 stable

CTD-2021H9.3 0.018631999 3.25997539 1.481207267 0.146653319 0.58563103 -5.90623823 stable

LOC101927137 /// SCLT1 0.277601617 4.431635597 1.481016716 0.146703882 0.58563103 -5.906509815 stable

CLDN23 0.003570699 2.482977153 1.480894275 0.146736379 0.58563103 -5.906684309 stable

C19orf83 0.065194565 3.162714903 1.480872763 0.146742089 0.58563103 -5.906714964 stable

BCAT2 -0.132025082 6.341533596 -1.480791404 0.146763686 0.58563103 -5.906830903 stable

GLIDR -0.14719576 7.698300511 -1.480595755 0.146815633 0.58563103 -5.907109683 stable

ENGASE -0.12680907 9.916053253 -1.480484563 0.146845162 0.58563103 -5.907268106 stable

MAGT1 0.092471901 9.01852713 1.480471475 0.146848638 0.58563103 -5.907286754 stable

EPRS 0.08282193 8.863641952 1.480467472 0.146849701 0.58563103 -5.907292457 stable

RPL7L1 0.063856938 11.63555822 1.480244079 0.146909043 0.585768366 -5.907610706 stable

MSH5-SAPCD1 /// SAPCD1 -0.176643286 5.779567393 -1.47983671 0.147017304 0.585958859 -5.908190938 stable

CENPH -0.069995494 6.675948772 -1.479737807 0.147043598 0.585958859 -5.908331789 stable

RP11-391M1.4 -0.125488389 7.738874645 -1.479700164 0.147053607 0.585958859 -5.908385395 stable

PSG4 -0.010065486 2.636786077 -1.479689409 0.147056466 0.585958859 -5.908400711 stable

UBE3A 0.054617932 11.60947751 1.479509637 0.147104273 0.586050067 -5.908656699 stable

RYK 0.09250999 9.40161775 1.479271843 0.147167527 0.586202779 -5.908995266 stable

ILDR2 -0.030167356 3.057966593 -1.478985788 0.147243649 0.586406681 -5.909402483 stable

CTD-3064M3.3 0.020836262 2.128000628 1.478835504 0.147283652 0.586466699 -5.909616393 stable

ABCG2 0.072189174 2.236943443 1.478665782 0.147328841 0.586547338 -5.909857948 stable

RAE1 0.082836135 10.23621499 1.478489458 0.147375799 0.586634994 -5.910108872 stable

HNF1A -0.0475079 6.405998318 -1.478356336 0.14741126 0.586676861 -5.910298299 stable

LOC101927079 /// LOC102723532 /// LOC727924 /// OR4N4 0.003763299 2.300977536 1.478092367 0.147481595 0.586782251 -5.910673869 stable

DCK 0.112910829 11.49369331 1.477816124 0.147555229 0.586782251 -5.91106684 stable

TMEM106B 0.116079366 10.01284629 1.477768141 0.147568023 0.586782251 -5.911135091 stable

IER5 0.117031091 11.96057408 1.477741752 0.147575059 0.586782251 -5.911172626 stable

MYL12A /// MYL12B 0.056600066 15.07301584 1.477663678 0.147595877 0.586782251 -5.911283673 stable

LOC148413 0.084793677 9.1315245 1.477604438 0.147611675 0.586782251 -5.91136793 stable

CYB561D1 0.099707739 8.917816932 1.477531805 0.147631047 0.586782251 -5.91147123 stable

RPS28 -0.097978598 5.736547211 -1.477425791 0.147659325 0.586782251 -5.911621996 stable

RHBDL1 0.002279975 2.263503985 1.477350202 0.14767949 0.586782251 -5.911729489 stable

ACTR10 -0.066151828 11.15864753 -1.477243134 0.147708056 0.586782251 -5.911881739 stable

UNC93B1 -0.147580762 9.292313719 -1.477227756 0.14771216 0.586782251 -5.911903605 stable

ABCE1 -0.049268202 10.60416786 -1.476711687 0.147849915 0.587165059 -5.912637303 stable

LRRC34 -0.024170755 3.229489778 -1.476679719 0.147858452 0.587165059 -5.912682745 stable

EPB41L4B 0.027948394 2.732937825 1.476201418 0.147986223 0.587265273 -5.913362531 stable

BC037214 /// RP11-58G13.1 0.005986373 2.981027654 1.476170658 0.147994443 0.587265273 -5.913406241 stable

APOH 0.004496291 2.586241932 1.476120395 0.148007876 0.587265273 -5.913477665 stable

FRRS1 0.006228117 2.821088852 1.476053206 0.148025833 0.587265273 -5.913573138 stable

IDH2 0.105988023 7.641441816 1.475969917 0.148048096 0.587265273 -5.913691482 stable

IL6 -0.133943755 2.799810238 -1.475779709 0.148098949 0.587265273 -5.913961723 stable

ZC3H18 0.063626439 9.674947297 1.475729786 0.148112298 0.587265273 -5.914032646 stable

LOC101928327 0.003343506 2.186229923 1.475551571 0.14815996 0.587265273 -5.914285812 stable

TTTY9A /// TTTY9B 0.004509059 2.756161552 1.475471537 0.148181369 0.587265273 -5.914399497 stable

TRIM52-AS1 -0.105406991 4.164074013 -1.475447 0.148187933 0.587265273 -5.914434349 stable

TSKU -0.015990458 2.181980336 -1.475312566 0.148223899 0.587265273 -5.914625291 stable

GLO1 -0.071738956 10.87429652 -1.475303493 0.148226327 0.587265273 -5.914638178 stable

ASB12 -0.042553631 2.709385692 -1.475289865 0.148229974 0.587265273 -5.914657534 stable

DPPA4 0.013709903 2.998863357 1.475277675 0.148233235 0.587265273 -5.914674846 stable

LOC100507520 -0.065424806 7.759895712 -1.475057954 0.148292038 0.587270218 -5.914986885 stable

METTL3 -0.082811245 10.83979325 -1.475055717 0.148292636 0.587270218 -5.914990061 stable

EHMT1 0.100260113 6.862989006 1.474993139 0.148309387 0.587270218 -5.915078925 stable

AX748417 /// CAMK1 0.179068057 5.246997693 1.474802735 0.148360363 0.58732418 -5.915349284 stable

RP5-944M2.2 0.013914082 2.497492419 1.474739813 0.148377212 0.58732418 -5.915438622 stable

MRGBP 0.088978185 7.192454745 1.474662468 0.148397925 0.58732418 -5.915548433 stable

EPHA6 0.006293411 2.683684652 1.474519734 0.148436156 0.587368169 -5.915751067 stable

IQCA1 0.00848841 2.78246986 1.474392938 0.148470124 0.587368169 -5.91593106 stable

RP1 0.008347321 2.384407614 1.474341312 0.148483956 0.587368169 -5.916004341 stable

HIST1H3A -0.004513854 2.274398484 -1.474214408 0.148517962 0.587403898 -5.916184468 stable

PTCD2 0.087731577 6.378609971 1.474015349 0.148571315 0.587516123 -5.916466983 stable

CEP120 0.091980414 8.366161403 1.473849639 0.148615741 0.587593016 -5.916702142 stable

IL24 -0.08046026 3.857886812 -1.473615609 0.148678502 0.587706876 -5.917034213 stable

GATA6 0.01152771 3.013790358 1.473452719 0.148722197 0.587706876 -5.917265314 stable

C6orf1 0.088055609 8.568357216 1.473267432 0.148771913 0.587706876 -5.917528162 stable

CTAG2 -0.021584606 3.645229798 -1.473174236 0.148796924 0.587706876 -5.91766036 stable

RP11-560G2.2 -0.021452841 2.399579191 -1.473117434 0.148812169 0.587706876 -5.917740929 stable

SPOCD1 0.033989677 4.294130261 1.473113814 0.148813141 0.587706876 -5.917746063 stable

DUTP1 /// DUTP1 0.007509836 3.177447868 1.47308629 0.148820529 0.587706876 -5.917785103 stable

INPP5A -0.144430024 7.283754155 -1.472997249 0.148844431 0.587706876 -5.917911393 stable

FUT6 -0.049401955 3.160924498 -1.472812292 0.14889409 0.587804279 -5.9181737 stable

BC016656 /// RP11-168O16.1 0.009048927 3.150649096 1.472512576 0.14897459 0.588021311 -5.9185987 stable

LOC400620 -0.045061817 4.085082788 -1.472421473 0.148999065 0.588021311 -5.918727869 stable

RP11-680C21.1 0.008856321 2.612808847 1.472132413 0.149076745 0.588046265 -5.919137662 stable

MBD3 -0.093936788 8.186674516 -1.471771654 0.149173738 0.588046265 -5.919649 stable

RIPK4 0.024657998 2.665871326 1.471771167 0.149173869 0.588046265 -5.919649689 stable

EPHA7 0.008977151 3.04096699 1.471707111 0.149191096 0.588046265 -5.91974047 stable

ONECUT3 -0.019805 2.982872647 -1.471690062 0.149195681 0.588046265 -5.919764632 stable

FAM63B 0.137479321 7.563877116 1.471640934 0.149208895 0.588046265 -5.919834254 stable

TSSK1B -0.018563428 2.460749212 -1.471534419 0.149237547 0.588046265 -5.919985193 stable

THOC1 -0.078477378 9.080714305 -1.471419315 0.149268515 0.588046265 -5.920148295 stable

LOC101928134 -0.027776348 3.341371258 -1.471392073 0.149275845 0.588046265 -5.920186894 stable

IGFL2 0.003075756 2.371227547 1.471341988 0.149289322 0.588046265 -5.92025786 stable

FCGR1A 0.002963419 2.34798607 1.471230535 0.149319315 0.588046265 -5.920415768 stable

NRAP 0.005043938 2.712219129 1.471221467 0.149321756 0.588046265 -5.920428615 stable

TMEM185A -0.088497867 8.481173134 -1.47118935 0.1493304 0.588046265 -5.920474117 stable

ZNF667-AS1 -0.427326439 7.332138083 -1.471072524 0.149361847 0.588071643 -5.920639624 stable

AQP3 -0.111176301 7.963181934 -1.470928494 0.149400623 0.588125867 -5.920843653 stable

LINC01101 -0.038378116 2.606108233 -1.470675113 0.149468859 0.588292719 -5.921202543 stable

BBS9 0.023849203 2.669395822 1.470585374 0.149493031 0.588292719 -5.921329636 stable

DEFB105A /// DEFB105B 0.009576413 2.593925947 1.469948472 0.14966468 0.588790967 -5.922231454 stable

SLC6A18 -0.01828354 2.942621036 -1.469929825 0.149669708 0.588790967 -5.922257852 stable

TPRG1L -0.047464768 10.31844816 -1.46959485 0.14976005 0.589047851 -5.922732013 stable

LOC102725408 0.006990254 2.417017749 1.469476076 0.149792094 0.589075381 -5.922900116 stable

PDCD6 0.065603643 11.32016602 1.469250603 0.149852939 0.589085087 -5.923219198 stable

RPL7AL2 -0.070188655 6.993342733 -1.469190901 0.149869053 0.589085087 -5.923303679 stable

CDCA8 0.100406492 3.529968124 1.469188513 0.149869698 0.589085087 -5.923307058 stable

DCTN4 0.090327118 8.607213377 1.468824736 0.149967914 0.58937265 -5.923821751 stable

RP11-314N13.3 -0.211526469 5.673509061 -1.468560812 0.150039203 0.589511727 -5.924195096 stable

LOC101929592 0.028599054 3.488215338 1.468471178 0.150063421 0.589511727 -5.924321878 stable

GGT1 /// GGT2 /// GGT3P /// GGTLC1 /// GGTLC2 /// LOC100132705 /// LOC102724197 -0.187654148 6.078241714 -1.468342623 0.150098159 0.589511727 -5.924503699 stable

MYRFL -0.041167942 4.676395487 -1.468257927 0.15012105 0.589511727 -5.924623481 stable

ZNF548 -0.130300508 9.274554805 -1.468229922 0.150128619 0.589511727 -5.924663086 stable

RP11-73K9.2 -0.019083103 2.591988893 -1.467516835 0.150321458 0.589927193 -5.925671308 stable

KRTAP11-1 0.010980622 1.966654553 1.467471071 0.15033384 0.589927193 -5.925735998 stable

UBC 0.030227127 14.84151534 1.467401823 0.150352579 0.589927193 -5.925833882 stable

NR1I3 0.00269521 2.544566382 1.467339879 0.150369342 0.589927193 -5.925921436 stable

RBM26-AS1 -0.292862092 4.666597944 -1.467330498 0.150371881 0.589927193 -5.925934696 stable

CTD-2083E4.7 -0.02371101 2.961347372 -1.467266614 0.150389171 0.589927193 -5.926024988 stable

STARD4 0.118626969 8.082415654 1.467189699 0.15040999 0.589927193 -5.926133694 stable

FAM134B 0.118218887 3.983162868 1.466939784 0.150477652 0.590094174 -5.926486872 stable

TRIM27 0.098042469 10.37690525 1.46682438 0.150508905 0.590118344 -5.926649941 stable

TMED1 0.124224002 7.905856419 1.466683686 0.150547013 0.590140888 -5.926848731 stable

GRHL2 0.005225593 2.553727554 1.466617901 0.150564834 0.590140888 -5.926941675 stable

GLRX 0.063074842 12.65175502 1.466301135 0.15065067 0.590263111 -5.92738916 stable

CELF2-AS1 0.013667351 2.058675439 1.466262319 0.15066119 0.590263111 -5.927443988 stable

ITGA9 0.008754035 2.879136177 1.466185826 0.150681925 0.590263111 -5.927552032 stable

LOC100653086 -0.020698309 2.252159945 -1.466132437 0.150696398 0.590263111 -5.927627438 stable

IL32 0.168420754 12.95462413 1.465398169 0.150895563 0.59094481 -5.928664277 stable

PARPBP 0.07706443 3.676956063 1.465231972 0.150940671 0.590964955 -5.928898895 stable

PCDHB8 0.005996688 2.893503937 1.465194082 0.150950957 0.590964955 -5.92895238 stable

MCM9 -0.110498029 4.770127588 -1.464857607 0.151042319 0.591187352 -5.929427292 stable

ARL6IP4 -0.071240073 10.85051936 -1.464799751 0.151058033 0.591187352 -5.929508942 stable

C10orf85 0.019775802 2.536036228 1.464666792 0.15109415 0.591230327 -5.929696571 stable

PTPN23 0.049003318 3.112878705 1.464530539 0.151131169 0.591276817 -5.929888833 stable

MAP3K5 0.065457008 10.05654055 1.464114149 0.151244344 0.591621188 -5.930476288 stable

SYT7 0.005927779 2.623464412 1.463787619 0.151333142 0.591870107 -5.930936862 stable

SLC24A3 -0.538009351 7.390092928 -1.463521587 0.151405518 0.592015738 -5.931312034 stable

SUPV3L1 0.112624484 8.313226633 1.463447618 0.151425646 0.592015738 -5.931416338 stable

RARRES1 -0.032202705 2.375586625 -1.463328053 0.151458187 0.592015738 -5.931584927 stable

EHBP1L1 -0.165331645 9.675105334 -1.463212828 0.151489552 0.592015738 -5.931747385 stable

PHKG2 0.006050956 2.174501844 1.463188315 0.151496226 0.592015738 -5.931781945 stable

PPIC -0.010549655 3.09687504 -1.462845796 0.151589495 0.592110095 -5.932264796 stable

PUM1 -0.076570502 11.70601912 -1.462746886 0.151616438 0.592110095 -5.932404211 stable

VCL -0.339020726 6.85464223 -1.462695374 0.151630471 0.592110095 -5.932476814 stable

PDX1 -0.012285914 3.102959643 -1.462649105 0.151643076 0.592110095 -5.932542025 stable

EP300-AS1 0.024220066 3.191941748 1.46247935 0.151689331 0.592110095 -5.932781264 stable

FFAR3 /// GPR42 -0.080594728 2.693070294 -1.462461445 0.15169421 0.592110095 -5.932806496 stable

VNN3 0.036005278 4.018325578 1.462452722 0.151696587 0.592110095 -5.932818788 stable

ZDHHC14 0.002470343 2.406353291 1.462118961 0.151787567 0.592271703 -5.933289082 stable

LOC284219 -0.013180431 2.420178753 -1.462104948 0.151791388 0.592271703 -5.933308826 stable

C6orf163 -0.060082543 3.816672996 -1.461956981 0.151831736 0.592271703 -5.933517289 stable

RP11-6I2.3 -0.054716354 2.791490477 -1.461931398 0.151838713 0.592271703 -5.933553329 stable

LOC100508046 /// LOC101929572 /// POTEH-AS1 0.006785882 2.907319126 1.461788018 0.151877821 0.592326019 -5.933755311 stable

RP11-353N14.2 0.008224001 2.743210562 1.461678967 0.15190757 0.592343826 -5.93390892 stable

TNNC2 -0.132096048 5.766105004 -1.461463616 0.151966332 0.592384899 -5.934212232 stable

LIN7C 0.087265835 9.689655984 1.461455767 0.151968474 0.592384899 -5.934223287 stable

LOC102546226 0.012935474 3.384645684 1.461235086 0.152028709 0.592521504 -5.934534063 stable

TBRG1 -0.108891737 8.909592642 -1.460692026 0.15217702 0.593001272 -5.935298655 stable

LOC102724275 0.137128639 4.430591122 1.460327527 0.152276629 0.593107649 -5.935811704 stable

KIN 0.074541651 9.407149295 1.460170556 0.152319541 0.593107649 -5.936032611 stable

ACOX2 0.003378955 2.419504848 1.460145965 0.152326265 0.593107649 -5.936067217 stable

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C6orf47 0.060232169 7.547162046 1.460130846 0.152330399 0.593107649 -5.936088492 stable

CCDC178 -0.020358858 2.388313468 -1.45992322 0.152387177 0.593230518 -5.936380648 stable

PLCB1 0.14007437 5.508746869 1.459751942 0.152434028 0.593314707 -5.936621631 stable

LOC101928417 0.004601259 2.261661238 1.45961978 0.152470187 0.593330669 -5.936807561 stable

KCNH2 -0.139439181 3.469866952 -1.459426354 0.15252312 0.593330669 -5.937079651 stable

HNRNPDL -0.129505406 11.92616522 -1.45933282 0.152548722 0.593330669 -5.937211212 stable

LOC101930235 /// TRIM48 /// TRIM49D1 /// TRIM49D2P -0.046980439 2.687702115 -1.459073038 0.152619846 0.593330669 -5.937576574 stable

PCBP3 -0.011848282 2.099417288 -1.459059744 0.152623487 0.593330669 -5.93759527 stable

MROH8 -0.009517687 2.623179507 -1.459022065 0.152633805 0.593330669 -5.937648257 stable

CNTN4 0.007330963 2.887986638 1.459002995 0.152639027 0.593330669 -5.937675074 stable

LOC286382 0.012409198 2.79041784 1.458999686 0.152639934 0.593330669 -5.937679727 stable

INTS5 0.1054283 7.260414766 1.458577546 0.152755577 0.593628742 -5.938273281 stable

ATXN3 0.077175672 8.169816995 1.458531457 0.152768207 0.593628742 -5.938338076 stable

TOR1A 0.006404904 2.812765285 1.458443435 0.15279233 0.593628742 -5.938461816 stable

TCERG1 -0.080931851 10.72352346 -1.458251081 0.152845058 0.593735526 -5.938732204 stable

ITPKB-IT1 -0.044731092 7.405512932 -1.458118077 0.152881525 0.59377912 -5.938919146 stable

DDX19B -0.148288927 7.119311174 -1.457761706 0.152979269 0.593885967 -5.939419964 stable

SLC40A1 -0.180614622 11.46199642 -1.457731853 0.152987459 0.593885967 -5.939461912 stable

LINC00410 -0.009983912 3.045457502 -1.457657203 0.153007941 0.593885967 -5.939566804 stable

LOC101927057 /// OMG -0.07467187 3.064679875 -1.457649582 0.153010032 0.593885967 -5.939577512 stable

POLR2J -0.11513427 12.00091819 -1.457503474 0.153050126 0.593915019 -5.939782795 stable

GINS3 0.237430227 4.979144008 1.457411543 0.153075358 0.593915019 -5.939911951 stable

PMS2P1 -0.069747626 9.337480921 -1.457325456 0.153098989 0.593915019 -5.940032888 stable

MYO3A 0.007960827 2.849036801 1.457254316 0.153118519 0.593915019 -5.940132823 stable

PTPRU -0.083903955 5.974898415 -1.457145461 0.153148406 0.593933003 -5.94028573 stable

CRAMP1L 0.097256963 8.027216807 1.456899073 0.153216072 0.594097467 -5.940631791 stable

TAS2R10 -0.118150724 3.152696796 -1.456702408 0.1532701 0.594190876 -5.940907976 stable

DBI 0.064947317 12.76612639 1.456500993 0.153325448 0.594190876 -5.941190797 stable

CHN2 0.151539234 7.27164797 1.456368238 0.153361937 0.594190876 -5.941377189 stable

C1orf233 -0.122076408 6.905604374 -1.456310959 0.153377683 0.594190876 -5.941457606 stable

CDC42BPA -0.052729761 3.147778287 -1.456179746 0.153413758 0.594190876 -5.941641811 stable

MAGIX -0.035353923 2.619517713 -1.456165585 0.153417652 0.594190876 -5.94166169 stable

DYNC2LI1 0.019255318 3.278557084 1.45609168 0.153437974 0.594190876 -5.941765435 stable

LINC00883 0.025906103 3.304849925 1.456076097 0.153442259 0.594190876 -5.941787309 stable

WDR13 -0.077160931 8.965511739 -1.455946038 0.153478029 0.594231559 -5.941969868 stable

FOXD4 /// FOXD4L1 -0.02500459 2.6520847 -1.455711676 0.153542501 0.594311247 -5.942298796 stable

PRSS35 0.104074827 3.832769579 1.455378308 0.153634247 0.594311247 -5.942766599 stable

NCF1 /// NCF1B /// NCF1C -0.236457329 11.31218973 -1.455361336 0.153638918 0.594311247 -5.942790412 stable

PLVAP -0.037170185 3.53816407 -1.455303305 0.153654894 0.594311247 -5.942871833 stable

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OFCC1 0.006580239 3.106960419 1.45494937 0.153752357 0.594311247 -5.943368369 stable

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PP13 -0.193810995 3.611685868 -1.454933991 0.153756593 0.594311247 -5.943389942 stable

TMEM220 -0.114351046 4.604642715 -1.454872564 0.153773514 0.594311247 -5.943476106 stable

HAUS2 -0.142432499 9.382270397 -1.45487219 0.153773617 0.594311247 -5.94347663 stable

FLJ41170 0.005187557 2.535647135 1.45486154 0.153776551 0.594311247 -5.943491569 stable

LOC101929123 0.002948633 2.391013705 1.454661571 0.153831645 0.594391592 -5.943772042 stable

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S100A14 0.003539592 2.396444588 1.454178356 0.153964841 0.594391592 -5.94444965 stable

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IDNK -0.094892657 8.452304267 -1.454147706 0.153973292 0.594391592 -5.944492622 stable

TMEM50B 0.073025569 10.7530072 1.454105784 0.153984853 0.594391592 -5.944551398 stable

AK055981 /// RP11-617F23.1 0.158948306 7.195672926 1.454052654 0.153999505 0.594391592 -5.944625887 stable

EPS8L2 -0.1179987 5.669790448 -1.453545882 0.154139317 0.594823931 -5.945336255 stable

LOC648691 0.003524319 2.235906593 1.453463348 0.154162097 0.594823931 -5.945451927 stable

TOX3 0.011774367 3.139716622 1.45330919 0.154204652 0.594890541 -5.945667963 stable

ARL1 0.103814225 6.689913706 1.452893662 0.154319405 0.595235604 -5.94625018 stable

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CCDC13 -0.089502791 4.086820449 -1.452502878 0.154427385 0.595456808 -5.946797592 stable

PCGEM1 0.002451912 2.110747976 1.452377338 0.154462087 0.595492992 -5.94697342 stable

LOC730101 -0.016919424 2.638685218 -1.452201345 0.154510745 0.595513792 -5.94721989 stable

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SLC4A7 0.047076003 3.339273177 1.452044843 0.154554024 0.595513792 -5.94743904 stable

EPHX2 -0.220664926 7.843793677 -1.451964879 0.154576141 0.595513792 -5.947551006 stable

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SAA1 /// SAA2 /// SAA2-SAA4 -0.015268831 3.769908191 -1.45169727 0.154650177 0.595589186 -5.947925673 stable

FAM71C 0.002727759 2.250241052 1.451631863 0.154668277 0.595589186 -5.948017237 stable

FBXO36 0.010758022 3.062256665 1.451526611 0.154697406 0.595589186 -5.948164572 stable

KBTBD3 0.086227489 7.153237055 1.451463289 0.154714932 0.595589186 -5.948253208 stable

MED24 0.00207161 1.825451851 1.451112049 0.15481218 0.595815166 -5.948744798 stable

IL10RB-AS1 0.306562854 4.781308625 1.450980532 0.154848605 0.595815166 -5.948928839 stable

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IGDCC4 0.003861109 2.543381126 1.450684917 0.154930505 0.595815166 -5.949342462 stable

STAG3L2 /// STAG3L3 /// TRIM73 -0.214912698 9.802546073 -1.450614044 0.154950145 0.595815166 -5.949441614 stable

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JADE1 0.080146907 10.39256352 1.450588408 0.154957249 0.595815166 -5.949477479 stable

LOC440982 /// ZIC1 0.007604238 2.572517876 1.450456884 0.154993704 0.595815166 -5.949661471 stable

PTPN3 -0.007668937 2.821701705 -1.450366335 0.155018805 0.595815166 -5.949788133 stable

RP11-285E9.5 0.028992707 2.818547632 1.450336966 0.155026947 0.595815166 -5.949829214 stable

DUSP3 -0.160344544 9.818651972 -1.450031314 0.155111704 0.595923748 -5.950256708 stable

KRT8P17 /// KRT8P17 0.003203873 2.880418056 1.449904596 0.155146854 0.595923748 -5.950433917 stable

LINC00922 0.039184606 2.616327596 1.449896117 0.155149206 0.595923748 -5.950445774 stable

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LOC645355 0.011897258 2.874900918 1.449413089 0.15528325 0.595990917 -5.95112113 stable

NAGS 0.159836812 2.53904545 1.449279223 0.155320415 0.595990917 -5.951308262 stable

FAM213A -0.20067446 7.47239629 -1.449257785 0.155326368 0.595990917 -5.951338228 stable

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BRMS1 -0.091469264 9.329948011 -1.449167633 0.155351401 0.595990917 -5.951464243 stable

LINC00052 0.006008876 2.430736359 1.448820908 0.15544771 0.596188204 -5.951948826 stable

CPTP -0.11228133 7.683718023 -1.448751833 0.155466902 0.596188204 -5.952045353 stable

RNF31 -0.005466314 2.602733956 -1.448575654 0.155515862 0.596188204 -5.952291532 stable

CASP4 0.09881931 10.2912827 1.448559549 0.155520338 0.596188204 -5.952314033 stable

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LOC100507513 0.014619683 2.452394257 1.448393145 0.155566593 0.596232985 -5.952546526 stable

PRKAR1AP /// PRKAR1AP -0.011523397 3.494501883 -1.448121305 0.155642179 0.596425497 -5.952926277 stable

HSPA12B -0.044186585 2.648654849 -1.447883867 0.155708224 0.596428082 -5.953257917 stable

SUN3 -0.027933153 3.320362571 -1.447843935 0.155719333 0.596428082 -5.953313687 stable

RALGAPA1 -0.035461097 3.056728557 -1.447841566 0.155719992 0.596428082 -5.953316995 stable

DHX29 -0.051947279 9.815062207 -1.447754264 0.155744283 0.596428082 -5.953438919 stable

KLF14 -0.010160053 2.519414517 -1.447456502 0.155827153 0.596480349 -5.953854714 stable

SEMG2 0.019566703 3.254888621 1.447261022 0.155881576 0.596480349 -5.954127641 stable

UFSP1 -0.016216957 2.19978712 -1.44714902 0.155912765 0.596480349 -5.954284002 stable

LINC01085 0.023580996 3.577253407 1.446983254 0.155958934 0.596480349 -5.954515399 stable

TNIK 0.191745234 9.608161751 1.446882841 0.155986907 0.596480349 -5.954655559 stable

MYO6 0.00287508 2.337093505 1.446819633 0.156004517 0.596480349 -5.954743781 stable

RIT2 0.006631136 2.566474304 1.446658225 0.156049494 0.596480349 -5.954969051 stable

DSEL -0.102089017 3.221081318 -1.446631476 0.156056948 0.596480349 -5.955006381 stable

LRP12 0.15730311 3.961105143 1.446575128 0.156072653 0.596480349 -5.955085017 stable

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LOC441528 0.100069292 5.060738112 1.446107943 0.156202907 0.596480349 -5.955736883 stable

MGC45922 -0.049565068 2.448244415 -1.446071693 0.156213017 0.596480349 -5.955787455 stable

TPTE2P6 0.012277621 2.973082617 1.446047613 0.156219733 0.596480349 -5.955821048 stable

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CYP2C8 0.007104399 2.890817827 1.445983018 0.156237751 0.596480349 -5.95591116 stable

SEC22B 0.068373547 11.46770779 1.445883955 0.156265386 0.596480349 -5.956049349 stable

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KRT6B -0.030068961 3.101027788 -1.44567869 0.15632266 0.596480349 -5.956335657 stable

ITPA -0.066056873 10.20279733 -1.445578022 0.156350756 0.596480349 -5.956476059 stable

LOC339539 -0.014651903 2.146270899 -1.445573226 0.156352094 0.596480349 -5.956482747 stable

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PLEKHB2 0.06762389 11.88582259 1.445388729 0.156403595 0.596524885 -5.956740039 stable

CNIH4 0.143878221 9.786425913 1.445154833 0.156468905 0.596677225 -5.95706618 stable

KL 0.045437614 3.723259824 1.444897297 0.156540841 0.596854777 -5.95742523 stable

TMEM106A -0.164743819 6.455690766 -1.444164434 0.156745689 0.597451958 -5.958446651 stable

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HIST1H1D 0.012676588 2.431455831 1.443911874 0.156816333 0.597518115 -5.958798548 stable

POGZ 0.064158832 9.866460345 1.443911515 0.156816433 0.597518115 -5.958799048 stable

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LPAR1 0.400066532 4.938188233 1.443573664 0.156910973 0.59758924 -5.959269695 stable

DPF3 -0.058222836 2.775221041 -1.443572426 0.15691132 0.59758924 -5.959271419 stable

PRAMEF1 /// PRAMEF2 0.002578946 2.260251228 1.443445937 0.156946726 0.597627319 -5.9594476 stable

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SLC10A4 0.009202071 2.975886233 1.442735062 0.157145831 0.597949073 -5.960437491 stable

SP140L -0.110418064 5.463505341 -1.442669017 0.157164339 0.597949073 -5.960529436 stable

SH3BGR -0.034249334 2.65600335 -1.44255424 0.157196508 0.597949073 -5.960689214 stable

INVS 0.083195906 7.357517026 1.442404048 0.15723861 0.597949073 -5.960898277 stable

TMEM160 0.111087734 8.258362771 1.442387551 0.157243235 0.597949073 -5.960921239 stable

LOC101928845 0.007925427 2.889494218 1.44232768 0.157260022 0.597949073 -5.961004572 stable

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BNIPL /// C1orf56 0.010054193 2.990191583 1.441888549 0.157383185 0.598061796 -5.961615686 stable

ZNF696 0.10582214 4.059693283 1.441859359 0.157391374 0.598061796 -5.961656303 stable

NR2C2 0.083688782 7.725537131 1.441628753 0.157456086 0.598086977 -5.961977152 stable

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RASSF9 0.003275987 2.897638913 1.441474774 0.157499306 0.598086977 -5.962191361 stable

KIAA1024 0.008038841 3.048581491 1.441473326 0.157499712 0.598086977 -5.962193376 stable

KRTCAP3 -0.06254526 4.972492489 -1.441076781 0.157611062 0.598413201 -5.96274494 stable

WRN 0.116437216 6.9488446 1.440832817 0.157679597 0.598440865 -5.963084208 stable

ANKRD50 0.304191564 8.611129318 1.440829716 0.157680468 0.598440865 -5.96308852 stable

LOC645188 0.005138905 2.655012553 1.440679275 0.157722743 0.598440865 -5.963297704 stable

NUDT4 0.165142857 3.860111846 1.440383502 0.157805882 0.598440865 -5.963708911 stable

RNASE7 0.003471405 2.549404848 1.440363912 0.15781139 0.598440865 -5.963736144 stable

IPO11 /// IPO11-LRRC70 0.147418192 6.821745582 1.440343905 0.157817015 0.598440865 -5.963763956 stable

LOC101928475 0.004477424 2.753962184 1.440312749 0.157825776 0.598440865 -5.963807267 stable

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PPFIA3 -0.013644863 2.223819998 -1.439964704 0.157923662 0.598440865 -5.964291028 stable

VOPP1 0.06440659 11.63917873 1.439619693 0.158020742 0.598636424 -5.96477047 stable

WDR53 0.14682086 6.873425075 1.439600406 0.158026171 0.598636424 -5.964797269 stable

CALML6 -0.02520547 3.906746666 -1.439343526 0.158098485 0.598688292 -5.965154168 stable

GJD2 0.009213361 2.501803804 1.439238876 0.158127952 0.598688292 -5.965299549 stable

PTCH2 0.002322771 2.176075971 1.439207387 0.15813682 0.598688292 -5.965343291 stable

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DNM1L -0.098530096 10.11719863 -1.438831008 0.158242841 0.598713129 -5.96586607 stable

USP30 0.086459692 7.284675943 1.438818074 0.158246486 0.598713129 -5.965884034 stable

HPDL 0.004080343 2.338170438 1.438790974 0.158254122 0.598713129 -5.96592167 stable

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FAT3 0.004087767 2.53032695 1.438221564 0.158414633 0.59897575 -5.966712311 stable

GIGYF2 0.116646859 4.804838095 1.43819781 0.158421332 0.59897575 -5.966745288 stable

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RALYL 0.004911597 2.598413784 1.437538288 0.158607411 0.599283999 -5.967660686 stable

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DES /// SUPT20H -0.104959547 7.077927406 -1.436964651 0.158769398 0.599491465 -5.968456573 stable

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SLC2A2 0.002681362 2.261828176 1.435956095 0.159054516 0.599958848 -5.969855192 stable

ANK2 0.004898273 2.614510821 1.435856716 0.159082632 0.599958848 -5.969992957 stable

CYBRD1 0.422420589 7.903818532 1.435832563 0.159089466 0.599958848 -5.970026439 stable

LOC100287098 -0.095077207 6.257840607 -1.434828283 0.159373824 0.60079951 -5.971418144 stable

CHERP -0.056855734 2.258133009 -1.434767815 0.159390958 0.60079951 -5.971501911 stable

FLJ42351 /// LOC101930279 0.194384631 5.598757656 1.434692578 0.159412279 0.60079951 -5.971606134 stable

C11orf74 -0.132322941 6.299489172 -1.434684549 0.159414555 0.60079951 -5.971617256 stable

KLHDC3 0.091101907 9.859882121 1.434108149 0.159577973 0.601164174 -5.972415548 stable

MAN2A1 -0.049118921 11.16483277 -1.434027779 0.15960077 0.601164174 -5.972526836 stable

BRI3BP /// THRIL -0.094330906 9.474189542 -1.434022251 0.159602338 0.601164174 -5.97253449 stable

EFS -0.011019609 3.286915382 -1.433982733 0.159613548 0.601164174 -5.972589207 stable

TLE6 -0.03052708 2.746367034 -1.433885401 0.159641161 0.60117191 -5.972723969 stable

DNALI1 0.006347501 2.292789925 1.433751741 0.159679087 0.601200295 -5.972909017 stable

C2orf57 -0.008675119 2.218104224 -1.433678684 0.159699819 0.601200295 -5.973010155 stable

SLAMF6 0.115180496 9.839699679 1.433504315 0.159749311 0.601251335 -5.973251528 stable

FANCA 0.181579351 6.591420187 1.433450805 0.159764502 0.601251335 -5.973325595 stable

FBXO42 0.014911026 3.037338387 1.433150497 0.159849774 0.601270224 -5.973741225 stable

ZNF542P -0.286364133 8.592395038 -1.433115378 0.159859748 0.601270224 -5.973789825 stable

HAO2 0.008195965 2.769174563 1.433098088 0.159864659 0.601270224 -5.973813752 stable

CLIC5 0.261561796 3.830478303 1.432997852 0.159893131 0.601270224 -5.973952458 stable

RP11-285J16.1 0.113704424 3.697569652 1.432946894 0.159907608 0.601270224 -5.974022971 stable

TMUB2 -0.066174883 9.543693324 -1.432893068 0.1599229 0.601270224 -5.974097449 stable

SAR1A 0.201212616 11.26362539 1.432778406 0.159955479 0.601288565 -5.974256096 stable

CNOT3 -0.048058154 9.449196864 -1.43266647 0.159987289 0.601288565 -5.974410961 stable

LINC01330 0.005139107 2.773706071 1.432590572 0.16000886 0.601288565 -5.97451596 stable

YDJC -0.066851699 7.859825755 -1.432516084 0.160030034 0.601288565 -5.974619005 stable

PAF1 -0.064285195 9.023273813 -1.432365829 0.16007275 0.601353001 -5.974826847 stable

ZIM3 0.008963307 3.034045981 1.432125108 0.160141203 0.601514091 -5.975159788 stable

EVA1A 0.003816409 2.492058355 1.431978077 0.160183025 0.601575114 -5.975363122 stable

LINC00485 0.02536571 3.6504416 1.431615351 0.160286238 0.60168484 -5.975864667 stable

KIAA2026 0.114318436 9.573797561 1.431571366 0.160298757 0.60168484 -5.975925478 stable

AGO4 -0.136108961 3.814481414 -1.431528522 0.160310953 0.60168484 -5.975984709 stable

AGXT2 0.003193921 2.403780818 1.431304955 0.160374602 0.60168484 -5.976293763 stable

FOXF2 0.004137578 2.409191608 1.43117326 0.160412104 0.60168484 -5.976475795 stable

IRS2 -0.262940639 10.10648606 -1.431057264 0.160445142 0.60168484 -5.976636115 stable

NMRK2 -0.015574954 3.080452548 -1.430991136 0.160463979 0.60168484 -5.976727507 stable

LOC440028 -0.01271579 2.344079074 -1.430933648 0.160480356 0.60168484 -5.976806955 stable

ZNF674 0.015993123 3.131670567 1.430786318 0.160522333 0.60168484 -5.977010549 stable

BDKRB1 -0.027378107 2.827176559 -1.430770412 0.160526865 0.60168484 -5.977032528 stable

BSG 0.129011795 10.29159881 1.43073932 0.160535725 0.60168484 -5.977075492 stable

MYO1B -0.055683874 3.680093897 -1.430738735 0.160535892 0.60168484 -5.9770763 stable

KIAA1551 0.083285558 11.8912229 1.430622982 0.16056888 0.60168484 -5.977236241 stable

RP11-432J9.6 0.03210684 2.72200817 1.43054585 0.160590865 0.60168484 -5.977342811 stable

CLCN7 -0.12285383 8.259068087 -1.430411652 0.160629121 0.60168484 -5.977528214 stable

VAT1 -0.088240283 9.192109063 -1.430408682 0.160629968 0.60168484 -5.977532317 stable

HOTAIR 0.01783724 3.475296262 1.430281176 0.160666323 0.60168484 -5.977708461 stable

SIPA1L2 0.121175156 2.518347553 1.430258826 0.160672696 0.60168484 -5.977739334 stable

MIEN1 0.113797111 10.07123111 1.430155825 0.16070207 0.601699041 -5.977881613 stable

RP11-819C21.1 0.211849164 4.782863233 1.429640887 0.160848982 0.602153255 -5.978592774 stable

KCNJ9 -0.029960134 2.937387631 -1.429420965 0.160911758 0.602292402 -5.978896429 stable

NFIB -0.451352973 4.211080536 -1.429191919 0.160977159 0.602441329 -5.979212639 stable

FGL2 0.222884231 12.70446853 1.429012107 0.161028516 0.60253766 -5.979460845 stable

PPP1CB 0.12864392 9.872484601 1.428501742 0.161174355 0.602881954 -5.980165185 stable

MED31 -0.078866646 3.387433692 -1.428307059 0.161230014 0.602881954 -5.980433803 stable

COL9A3 -0.452295755 5.649849337 -1.428238396 0.161249649 0.602881954 -5.980528534 stable

ALMS1-IT1 0.171548367 4.346736681 1.428206808 0.161258682 0.602881954 -5.980572112 stable

MIR663AHG 0.00563677 2.70959296 1.428148329 0.161275406 0.602881954 -5.980652788 stable

SRPK1 0.096143597 7.630089774 1.42801041 0.161314854 0.602881954 -5.980843044 stable

THAP3 0.148685682 5.221139927 1.427973978 0.161325276 0.602881954 -5.980893299 stable

LOC101928135 0.004012929 2.431142732 1.427972906 0.161325582 0.602881954 -5.980894778 stable

LINC00299 0.002792189 2.499306274 1.427668762 0.161412606 0.603111344 -5.981314271 stable

CDK7 0.08111749 9.176174941 1.42708534 0.161579642 0.603597999 -5.982118736 stable

SH3TC1 -0.221283688 10.25954783 -1.426974189 0.16161148 0.603597999 -5.982271965 stable

NDUFB9 -0.052628722 12.53908024 -1.426844891 0.161648523 0.603597999 -5.982450198 stable

MYL10 0.006479379 2.569083365 1.426770638 0.161669799 0.603597999 -5.982552547 stable

ARMC4 0.00836148 2.894224803 1.426671034 0.161698342 0.603597999 -5.982689831 stable

FABP4 0.004126072 2.491406081 1.426632122 0.161709494 0.603597999 -5.982743461 stable

RP11-466A19.8 0.008360423 2.973714406 1.426500423 0.161747242 0.603597999 -5.982924965 stable

TMEM51-AS1 0.027570456 2.39553739 1.426389074 0.161779163 0.603597999 -5.983078411 stable

DIAPH2-AS1 0.010589814 2.64545798 1.426302479 0.161803991 0.603597999 -5.983197736 stable

OR4D1 -0.024050618 3.386945499 -1.426257737 0.161816821 0.603597999 -5.983259387 stable

PES1 -0.064909957 8.519133324 -1.426228746 0.161825134 0.603597999 -5.983299333 stable

MCM7 -0.083028601 9.964255534 -1.425804839 0.16194673 0.603755419 -5.983883347 stable

WDR27 -0.185712412 6.924477091 -1.42575627 0.161960666 0.603755419 -5.983950249 stable

SGSM3 -0.097231926 8.885324144 -1.425659969 0.161988302 0.603755419 -5.984082897 stable

CIB4 0.002332918 2.328831414 1.42556053 0.162016842 0.603755419 -5.984219859 stable

REM1 -0.070300398 6.544620164 -1.42554881 0.162020206 0.603755419 -5.984235999 stable

WDR25 0.126172281 4.805118384 1.425544819 0.162021351 0.603755419 -5.984241497 stable

IGHG1 /// IGHG2 /// IGHM /// IGHV4-31 /// MIR8071-1 /// MIR8071-2 -0.409073624 13.04667464 -1.424998572 0.162178202 0.604244178 -5.984993702 stable

LOC400748 -0.004540086 2.463588487 -1.424869921 0.162215161 0.604286158 -5.985170823 stable

TAGLN3 -0.023006211 3.003851405 -1.424473489 0.162329089 0.604614805 -5.98571652 stable

BCLAF1 0.090554512 9.138964313 1.42422144 0.162401556 0.604645091 -5.9860634 stable

ADRA2A -0.266674511 4.296108949 -1.424142204 0.162424342 0.604645091 -5.986172438 stable

SNED1 -0.049134157 3.096089664 -1.424114208 0.162432394 0.604645091 -5.986210961 stable

NBPF10 /// NBPF12 /// NBPF14 /// NBPF15 /// NBPF20 /// NBPF8 /// NBPF9 -0.076953364 13.03288012 -1.424061327 0.162447603 0.604645091 -5.986283725 stable

SLC25A5 0.052498165 13.3015932 1.423901299 0.162493637 0.604645091 -5.986503912 stable

CYP2A7P1 0.008326607 2.840822199 1.423837236 0.162512068 0.604645091 -5.986592051 stable

JARID2-AS1 -0.02334879 2.704561164 -1.42374583 0.162538368 0.604645091 -5.986717803 stable

ZNF438 0.191465003 7.486797002 1.423709587 0.162548798 0.604645091 -5.986767664 stable

CLYBL-AS1 0.003305662 2.636652588 1.423530986 0.162600199 0.604645091 -5.987013348 stable

MRPS25 -0.071565941 7.255955966 -1.423511941 0.162605681 0.604645091 -5.987039545 stable

LYPD6 0.004549494 2.597489624 1.423459993 0.162620635 0.604645091 -5.987111 stable

ROR1-AS1 0.017229314 3.512222028 1.423372929 0.162645699 0.604645091 -5.987230749 stable

TAB2 -0.077524736 11.24548444 -1.423184581 0.162699932 0.604717014 -5.987489787 stable

DDX5 -0.115434283 10.06882027 -1.423127171 0.162716465 0.604717014 -5.987568738 stable

ODF1 -0.008405147 2.635392218 -1.422962389 0.162763928 0.604797843 -5.98779533 stable

CKAP2 /// IGLC1 /// IGLJ2 /// IGLJ2 /// IGLJ3 /// IGLJ3 /// IGLJ3 /// IGLV3-1 /// IGLV3-1 /// IGLV@ -0.364666646 3.670231725 -1.422683608 0.16284425 0.605000728 -5.98817863 stable

N4BP2L2 /// U50535 -0.197346681 11.83075753 -1.422444682 0.162913115 0.605160987 -5.98850708 stable

C5orf56 0.165396863 9.136142085 1.421648707 0.163142699 0.605628087 -5.989600941 stable

TTC38 -0.03920921 5.038732027 -1.421615889 0.16315217 0.605628087 -5.989646029 stable

GPSM2 -0.032014253 3.103306812 -1.421460484 0.163197025 0.605628087 -5.989859525 stable

FLII -0.059831209 10.63212894 -1.421438486 0.163203375 0.605628087 -5.989889744 stable

LOC100133461 -0.00768326 2.382477846 -1.421393429 0.163216382 0.605628087 -5.989951638 stable

PLEKHN1 -0.029100409 4.903109472 -1.421367213 0.163223951 0.605628087 -5.98998765 stable

DPH6 0.014342005 3.200360713 1.421364847 0.163224634 0.605628087 -5.9899909 stable

IQCJ-SCHIP1 /// SCHIP1 0.026527982 2.806680933 1.421283404 0.163248148 0.605628087 -5.990102772 stable

CECR5 -0.080299392 9.955493923 -1.421172716 0.16328011 0.605628087 -5.990254804 stable

ANKIB1 0.052348599 9.789959637 1.421061378 0.163312265 0.605628087 -5.99040772 stable

SEC16B 0.007607468 2.786984518 1.421016485 0.163325232 0.605628087 -5.990469374 stable

C1orf74 0.049318375 2.969554374 1.420853256 0.163372385 0.605628087 -5.990693532 stable

FNDC3B 0.060153753 3.433728591 1.420849084 0.16337359 0.605628087 -5.990699261 stable

TIAM2 0.00206044 1.885404592 1.420722127 0.163410272 0.605668613 -5.990873592 stable

ZC3H4 -0.060842814 10.64487868 -1.420274308 0.163539715 0.605958209 -5.991488399 stable

TJP3 -0.032739017 4.000059428 -1.420125617 0.163582712 0.605958209 -5.991692498 stable

FANCE 0.049337139 6.523981418 1.420102926 0.163589274 0.605958209 -5.991723642 stable

ITGA4 0.081225112 12.27125393 1.420095383 0.163591456 0.605958209 -5.991733996 stable

IREB2 -0.432497472 6.516186993 -1.419800059 0.163676884 0.606179184 -5.992139303 stable

ZBTB34 0.112979977 8.896144011 1.419544084 0.163750959 0.606240779 -5.992490545 stable

PAPPA 0.020497 3.230390518 1.419378695 0.163798833 0.606240779 -5.992717458 stable

LRRC28 -0.089041594 6.877613291 -1.419253702 0.163835022 0.606240779 -5.992888931 stable

AC009947.3 /// RBMY2AP /// RBMY2AP /// RBMY2BP /// RBMY2BP /// RBMY2DP /// RBMY2DP -0.010332801 2.856256852 -1.419210877 0.163847422 0.606240779 -5.992947678 stable

CD40LG 0.146826263 7.48514488 1.419100955 0.163879254 0.606240779 -5.993098461 stable

TSSK3 -0.006949135 2.076028184 -1.419097933 0.163880129 0.606240779 -5.993102607 stable

ZNF552 0.103658355 7.390700388 1.418980876 0.163914033 0.606240779 -5.993263165 stable

BC040734 0.012806964 3.252786804 1.418887405 0.163941109 0.606240779 -5.993391362 stable

COX10 -0.062562599 8.868166737 -1.418808067 0.163964095 0.606240779 -5.993500171 stable

TTC23L 0.002621992 2.278034334 1.418563201 0.164035051 0.606240779 -5.993835961 stable

BTNL9 -0.013818046 2.985905187 -1.418555521 0.164037277 0.606240779 -5.993846492 stable

ANAPC4 -0.076690908 10.18494341 -1.41846525 0.164063442 0.606240779 -5.993970268 stable

PCP2 -0.173240866 5.012313167 -1.418454519 0.164066552 0.606240779 -5.993984981 stable

GDPGP1 0.076564339 3.407669765 1.418433795 0.16407256 0.606240779 -5.994013397 stable

LOC101927458 /// LPHN2 0.010625202 3.061633208 1.418407671 0.164080133 0.606240779 -5.994049215 stable

PRSS2 -0.012923517 2.240116161 -1.41825416 0.164124638 0.606275689 -5.99425968 stable

COL19A1 0.006358058 2.312572421 1.418106692 0.164167401 0.606275689 -5.994461841 stable

MTBP 0.053779225 4.649829844 1.418095636 0.164170607 0.606275689 -5.994476996 stable

ELAVL2 0.005423701 2.720040787 1.418019514 0.164192685 0.606275689 -5.994581341 stable

BX538226 /// RP11-438B23.2 0.021525722 2.977896203 1.4178023 0.164255696 0.606386509 -5.994879064 stable

SUSD3 -0.151426907 9.604889681 -1.417738323 0.164274259 0.606386509 -5.994966746 stable

DOK6 0.005976689 2.884421676 1.417644493 0.164301486 0.606391848 -5.995095336 stable

FAM96A -0.094179153 11.7606285 -1.417369283 0.164381365 0.60659148 -5.995472454 stable

NELFCD -0.060650473 10.85302997 -1.417225256 0.164423181 0.606650611 -5.995669786 stable

SMO -0.031610854 2.214798673 -1.417039353 0.164477167 0.606754619 -5.995924466 stable

TPPP -0.04822796 2.905237792 -1.416779006 0.164552795 0.60693842 -5.996281083 stable

HMX1 -0.038303437 6.303116548 -1.416653608 0.164589232 0.60697763 -5.996452828 stable

C8orf82 -0.123269082 8.139254901 -1.416526941 0.164626044 0.607018212 -5.996626298 stable

HSPD1 0.059146088 11.99537848 1.416163224 0.164731782 0.607198728 -5.997124328 stable

ZNF513 0.069961434 7.903621016 1.416013896 0.164775209 0.607198728 -5.997328766 stable

CCDC174 0.07511869 8.02832157 1.415968431 0.164788433 0.607198728 -5.997391006 stable

BAIAP2L2 0.002910436 2.211952574 1.415944631 0.164795356 0.607198728 -5.997423588 stable

TGIF2LY 0.012911929 2.466805065 1.415914651 0.164804076 0.607198728 -5.997464627 stable

PACSIN1 -0.041649283 2.780215135 -1.41581849 0.164832051 0.607206682 -5.997596259 stable

OTUD4 0.089524955 4.882785255 1.415609447 0.164892876 0.607270193 -5.997882383 stable

SYMPK -0.164224589 8.32950778 -1.415504763 0.164923342 0.607270193 -5.998025653 stable

PPP1R2 -0.11090776 10.895343 -1.415464722 0.164934996 0.607270193 -5.99808045 stable

LOC101929759 0.008460365 3.091837032 1.415397411 0.16495459 0.607270193 -5.998172564 stable

LYPD8 0.003810277 2.590322915 1.415185429 0.165016306 0.607270193 -5.998462632 stable

PGLYRP2 0.0075803 2.308114592 1.415163373 0.165022728 0.607270193 -5.99849281 stable

AURKC 0.012360799 2.399481238 1.415138336 0.165030019 0.607270193 -5.998527067 stable

PDP1 0.122820937 9.236980657 1.414440885 0.165233215 0.607892365 -5.999481128 stable

SPTBN4 -0.020045959 3.652726749 -1.414235162 0.165293188 0.607892365 -5.99976246 stable

TRPC1 -0.165585318 4.135067254 -1.41422397 0.165296451 0.607892365 -5.999777765 stable

LINC00293 0.002096836 2.139600509 1.413995384 0.16536311 0.607892365 -6.000090319 stable

PCDHA5 0.008845133 1.983955035 1.413909989 0.165388018 0.607892365 -6.00020707 stable

MIA3 -0.056890622 8.993570246 -1.413857862 0.165403223 0.607892365 -6.000278335 stable

WDFY3-AS2 0.002858999 2.146596728 1.413751652 0.165434209 0.607892365 -6.000423531 stable

TRAPPC10 0.162362795 7.314738611 1.413717492 0.165444175 0.607892365 -6.000470227 stable

ELOVL2 0.004646334 2.67520754 1.413648683 0.165464253 0.607892365 -6.000564287 stable

DTNB -0.025228503 4.285464539 -1.413441417 0.165524742 0.607892365 -6.000847586 stable

SERPINA10 0.03065706 3.294309608 1.413389556 0.16553988 0.607892365 -6.000918466 stable

BC039357 /// RP11-661G16.2 -0.028024403 2.230288705 -1.413335441 0.165555677 0.607892365 -6.000992425 stable

SCO1 0.119376812 8.346304675 1.413263468 0.165576688 0.607892365 -6.001090785 stable

TMEM38A -0.107016004 2.437996448 -1.413246387 0.165581675 0.607892365 -6.001114128 stable

PLEK 0.201624352 11.30925919 1.413227586 0.165587165 0.607892365 -6.001139821 stable

BC042382 /// RP11-408H20.3 -0.081200615 2.891148083 -1.413140429 0.165612613 0.607892365 -6.001258923 stable

HMGB3P1 0.034126746 2.659653084 1.413014194 0.165649478 0.607932807 -6.001431414 stable

DALRD3 -0.068469097 7.082451914 -1.41282683 0.165704205 0.608019468 -6.00168741 stable

IPW /// LOC101930404 /// PWARSN /// SNORD107 /// SNORD115-13 /// SNORD115-26 /// SNORD115-7 /// SNORD116-22 /// SNORD116-28 /// SNORD116-4 /// SNRPN 0.019471421 3.382432496 1.412705458 0.165739665 0.608019468 -6.001853223 stable

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ACTA2-AS1 0.003279065 2.182849245 1.41220619 0.165885591 0.608262891 -6.002535171 stable

FENDRR -0.030027281 3.157706741 -1.412076802 0.165923425 0.608262891 -6.002711865 stable

GLIS3-AS1 0.002420934 2.182226986 1.411993844 0.165947686 0.608262891 -6.002825146 stable

CHRDL1 0.00356473 2.628023697 1.411960724 0.165957372 0.608262891 -6.00287037 stable

SRCAP 0.165457359 7.244440347 1.411910157 0.165972163 0.608262891 -6.002939416 stable

PSMB9 0.109749768 12.35915344 1.411776384 0.166011295 0.608311523 -6.003122064 stable

LOC102723704 0.003631429 2.415156657 1.411561471 0.166074178 0.608447155 -6.003415465 stable

SPTBN5 0.021571166 2.774213175 1.411208525 0.166177489 0.608730839 -6.003897222 stable

SAP130 0.087905103 8.18407266 1.410986315 0.166242558 0.60877229 -6.004200475 stable

ZDHHC8 -0.111764344 9.75252081 -1.410883368 0.166272711 0.60877229 -6.004340953 stable

SIGIRR 0.08850687 10.76639301 1.410856968 0.166280444 0.60877229 -6.004376975 stable

NRIP3 0.037248975 2.648011182 1.410816381 0.166292333 0.60877229 -6.004432356 stable

P2RX3 0.007677598 2.960394789 1.410648294 0.166341578 0.608825639 -6.004661692 stable

RP11-157P1.4 0.007168997 3.025556002 1.410589058 0.166358936 0.608825639 -6.004742507 stable

HNRNPA1P31 /// HNRNPA1P31 0.004073211 2.482805816 1.410501621 0.166384559 0.608825639 -6.004861791 stable

SPX -0.082566483 3.095708912 -1.410135001 0.166492031 0.609124133 -6.005361872 stable

EMC9 0.137240557 5.826131051 1.409180426 0.16677211 0.609963977 -6.00666339 stable

NSMCE1 -0.086212387 10.73201262 -1.40917586 0.166773451 0.609963977 -6.006669614 stable

DHX37 -0.080704169 8.138078282 -1.408616924 0.166937619 0.610450014 -6.007431326 stable

CSHL1 0.003590704 2.556929826 1.408499597 0.166972096 0.610450014 -6.007591184 stable

DCAF4 -0.087538749 3.419494757 -1.408440548 0.16698945 0.610450014 -6.007671633 stable

FARS2 -0.100555403 8.375599794 -1.408349218 0.167016293 0.610450014 -6.007796057 stable

ZNF281 -0.091940198 9.293101962 -1.40828181 0.167036108 0.610450014 -6.007887886 stable

C5 -0.182167702 6.819532966 -1.408155113 0.167073355 0.610491282 -6.008060471 stable

TRIM43 /// TRIM43B 0.013003425 2.830557486 1.408059317 0.167101522 0.610499364 -6.008190956 stable

LOC101928725 0.011353373 2.710285967 1.407905848 0.167146655 0.610519032 -6.008399979 stable

LOC101926943 0.014262156 2.593000182 1.407864494 0.167158818 0.610519032 -6.008456299 stable

KLHL34 -0.03980514 3.302295941 -1.407623813 0.167229622 0.610682804 -6.008784056 stable

SGPP2 0.004689033 1.938579161 1.407409899 0.167292571 0.610817846 -6.009075317 stable

KCNK10 0.026909464 2.676402093 1.407121561 0.16737745 0.611032906 -6.009467852 stable

KLF7 -0.1137435 9.468098112 -1.406902007 0.167442104 0.611174073 -6.009766697 stable

INPP5F 0.124128892 8.111134917 1.406497121 0.167561385 0.611194786 -6.010317696 stable

TMEM259 -0.086411088 9.569591525 -1.406407755 0.167587721 0.611194786 -6.010439292 stable

CSRNP3 0.008354274 2.973362585 1.406355888 0.167603008 0.611194786 -6.010509863 stable

TRIM47 0.094357071 4.375999062 1.40626757 0.167629041 0.611194786 -6.010630022 stable

ING5 -0.058340072 7.296381891 -1.406251733 0.167633709 0.611194786 -6.010651568 stable

PRCC 0.058001483 10.09093722 1.40617713 0.167655702 0.611194786 -6.010753061 stable

FBXO4 0.011678662 3.113407945 1.4061436 0.167665587 0.611194786 -6.010798677 stable

C7orf69 -0.031987465 3.190204664 -1.40611222 0.167674839 0.611194786 -6.010841365 stable

FRK 0.007217742 2.888167103 1.405965959 0.167717967 0.611194786 -6.011040323 stable

PNISR -0.124733206 12.03727503 -1.405606581 0.167823974 0.611194786 -6.011529105 stable

CCDC138 -0.033674761 3.494723662 -1.405439808 0.167873185 0.611194786 -6.011755891 stable

LOC101927085 -0.019803933 2.717796282 -1.405429417 0.167876252 0.611194786 -6.01177002 stable

LOC101060553 0.002728486 2.254502024 1.405423397 0.167878028 0.611194786 -6.011778206 stable

BCL2L14 0.002916679 2.201218605 1.405422991 0.167878148 0.611194786 -6.011778758 stable

SLC35D3 -0.451760123 4.235616035 -1.405413364 0.167880989 0.611194786 -6.011791849 stable

LOC101929288 0.005651874 2.576306045 1.405404974 0.167883465 0.611194786 -6.011803257 stable

FER 0.055596079 6.446700254 1.405384443 0.167889525 0.611194786 -6.011831174 stable

OPHN1 0.147158047 12.15987881 1.40489584 0.168033777 0.611625265 -6.012495435 stable

STRA6 0.010148855 3.335886789 1.404748279 0.168077361 0.611657856 -6.012696006 stable

RBM12B-AS1 0.002471488 2.228156603 1.404689447 0.16809474 0.611657856 -6.012775967 stable

HIC1 0.035516609 2.704124719 1.404558661 0.16813338 0.611703826 -6.012953714 stable

LITAF 0.011067437 2.960953088 1.404192868 0.168241488 0.611936934 -6.01345077 stable

ZNF571 0.204137301 6.198849972 1.404165814 0.168249486 0.611936934 -6.013487527 stable

DLC1 0.022264003 2.624259879 1.40374481 0.168373983 0.612295059 -6.014059452 stable

ANAPC1 /// LOC730268 -0.080586466 9.325615017 -1.403606947 0.168414766 0.612348696 -6.014246702 stable

AX748273 0.013690627 3.20144877 1.403281463 0.168511084 0.612444919 -6.01468872 stable

C18orf25 0.048977684 4.977501098 1.403260022 0.16851743 0.612444919 -6.014717835 stable

PDE6D -0.064391099 9.393319578 -1.403174468 0.168542755 0.612444919 -6.014834003 stable

POLR2C -0.074584624 9.612550613 -1.40316559 0.168545383 0.612444919 -6.014846057 stable

DGUOK -0.084786445 8.629794852 -1.402700125 0.168683221 0.612779889 -6.015477966 stable

BCORP1 0.007609863 3.071913137 1.402678346 0.168689672 0.612779889 -6.015507528 stable

DBET /// DUX4 /// DUX4L1 /// DUX4L2 /// DUX4L24 /// DUX4L3 /// DUX4L4 /// DUX4L5 /// DUX4L6 /// DUX4L7 /// DUX4L8 /// LOC100288289 /// LOC100291626 /// LOC652301 -0.036319883 5.53204748 -1.402467974 0.168752 0.612911642 -6.01579306 stable

LOC101927079 /// LOC727924 0.017016279 3.592343376 1.402143091 0.16884829 0.613166687 -6.016233939 stable

C1orf27 0.060985692 8.691625993 1.402044949 0.168877386 0.613177678 -6.016367103 stable

TMEM63B -0.10304871 7.92131492 -1.401893893 0.168922177 0.613245644 -6.016572048 stable

PRPF19 -0.060014138 10.46078355 -1.401678635 0.168986021 0.613382748 -6.016864063 stable

ND2 -0.039709005 15.38486317 -1.401255037 0.169111713 0.613560791 -6.017438592 stable

DPM1 0.05154745 11.48668895 1.401224131 0.169120886 0.613560791 -6.017480505 stable

STAG3L3 -0.213642783 8.596710896 -1.401215639 0.169123407 0.613560791 -6.017492019 stable

NEFL -0.061235834 4.073674105 -1.401001842 0.169186877 0.613560791 -6.017781928 stable

GDAP1L1 -0.050222808 3.551031041 -1.400798746 0.169247187 0.613560791 -6.018057288 stable

DTX3 0.073621404 5.460842545 1.400756109 0.16925985 0.613560791 -6.018115089 stable

MCM5 -0.069403924 8.569810583 -1.400737763 0.169265299 0.613560791 -6.018139961 stable

FAM220A 0.107563492 9.836719769 1.400481064 0.169341557 0.613560791 -6.018487932 stable

BEX4 -0.084411218 9.805774575 -1.400443142 0.169352825 0.613560791 -6.018539332 stable

NDUFA10 -0.00940112 2.544406958 -1.400272512 0.169403532 0.613560791 -6.018770593 stable

SRRM4 0.006936246 2.682404463 1.400216838 0.169420079 0.613560791 -6.018846044 stable

KCNA10 -0.019290083 2.408920026 -1.400209861 0.169422153 0.613560791 -6.018855501 stable

APOL5 0.004522627 2.337624701 1.400134565 0.169444535 0.613560791 -6.01895754 stable

UNC45B 0.055579509 2.77413841 1.400125751 0.169447155 0.613560791 -6.018969483 stable

MLLT4-AS1 0.003487341 2.392742126 1.400102201 0.169454155 0.613560791 -6.019001397 stable

ATPAF2 -0.086520365 7.872805828 -1.400088459 0.169458241 0.613560791 -6.019020018 stable

CPA3 -0.650676878 7.517874136 -1.400020219 0.169478528 0.613560791 -6.019112488 stable

GPM6A -0.255674883 3.65445737 -1.399700849 0.169573501 0.613739112 -6.019545205 stable

ROBO3 -0.16581102 6.844549968 -1.399595554 0.169604822 0.613739112 -6.019687849 stable

T -0.024993547 3.216744292 -1.399499707 0.169633337 0.613739112 -6.019817686 stable

UNC5CL -0.141914579 6.272112103 -1.399400665 0.169662806 0.613739112 -6.019951843 stable

MIR6132 /// ST7 /// ST7-OT3 -0.18967783 4.559469127 -1.39934432 0.169679573 0.613739112 -6.02002816 stable

MLST8 -0.097805593 8.433373884 -1.399098512 0.169752735 0.613739112 -6.02036107 stable

LINC00592 -0.006042931 2.069524555 -1.399096432 0.169753354 0.613739112 -6.020363887 stable

TBCEL 0.011784565 2.400406919 1.399066804 0.169762174 0.613739112 -6.02040401 stable

ZNF565 0.101104614 7.22600446 1.399065294 0.169762623 0.613739112 -6.020406054 stable

C10orf99 -0.010649009 2.383438358 -1.398534583 0.169920673 0.614085861 -6.021124623 stable

GINM1 -0.093753816 9.791871253 -1.398388604 0.169964167 0.614085861 -6.021322233 stable

PPEF1 -0.014427564 2.825602856 -1.398381396 0.169966314 0.614085861 -6.02133199 stable

GFPT2 -0.019248138 2.314270663 -1.398371526 0.169969255 0.614085861 -6.02134535 stable

NAPSB -0.270863689 11.46622458 -1.398305015 0.169989075 0.614085861 -6.021435377 stable

GEN1 -0.192253836 5.207397794 -1.398141379 0.170037846 0.614090711 -6.021656854 stable

DYNC1I2 0.062319483 11.36592955 1.398099821 0.170050233 0.614090711 -6.021713098 stable

MIR3610 /// RAD21-AS1 0.015381216 3.183291585 1.398037732 0.170068742 0.614090711 -6.021797125 stable

HMCES -0.096772797 8.71664805 -1.397859188 0.170121976 0.614188641 -6.022038736 stable

CCL24 0.011479736 2.54493632 1.397587655 0.17020296 0.614386711 -6.022406131 stable

RIN1 -0.148875073 7.778570975 -1.397420464 0.170252838 0.614472458 -6.022632314 stable

RP11-499E18.1 0.004989232 2.268068391 1.397228611 0.170310089 0.614473401 -6.02289183 stable

LOC93432 0.002737374 2.341998978 1.397102687 0.170347673 0.614473401 -6.023062148 stable

ERVH-4 0.017428773 2.857830014 1.397078639 0.170354852 0.614473401 -6.023094673 stable

REL 0.080575913 4.198191186 1.396963848 0.170389121 0.614473401 -6.023249919 stable

KIAA1549 0.006619398 2.744152616 1.396936021 0.170397429 0.614473401 -6.02328755 stable

TRPV3 -0.028453944 2.257166553 -1.396860526 0.17041997 0.614473401 -6.023389644 stable

HAUS7 /// TREX2 0.168468851 7.09726937 1.396785266 0.170442444 0.614473401 -6.023491414 stable

BTF3L4 -0.087232503 9.720522356 -1.396578252 0.170504272 0.614473401 -6.023771322 stable

HOXA5 -0.010913531 2.15020002 -1.396557535 0.170510461 0.614473401 -6.023799332 stable

TSR2 -0.062763088 8.949912304 -1.396544535 0.170514344 0.614473401 -6.023816909 stable

ZNF286A 0.092518839 6.127073304 1.396270353 0.170596265 0.614674439 -6.024187571 stable

BNC1 0.010742474 2.924940041 1.396150654 0.170632038 0.61470917 -6.02434937 stable

LSM4 -0.057938145 9.857402075 -1.396028246 0.170668627 0.614746827 -6.024514817 stable

FAM92A1 0.024122462 3.432857459 1.395690952 0.17076948 0.614900501 -6.024970639 stable

PNMAL1 -0.035064192 2.723983283 -1.39568766 0.170770464 0.614900501 -6.024975086 stable

LOC100996654 0.004985809 2.910068387 1.395623283 0.170789719 0.614900501 -6.025062075 stable

APCS 0.015861634 2.313025091 1.395385848 0.170860747 0.61506208 -6.025382872 stable

IPCEF1 0.13535131 9.881581937 1.395254059 0.170900182 0.615109896 -6.02556091 stable

MAMLD1 -0.006564723 2.413719127 -1.395048284 0.170961769 0.615237418 -6.025838868 stable

GNA11 -0.274307223 5.158774235 -1.394912604 0.171002386 0.615289449 -6.026022123 stable

LOC101929147 0.025806829 3.234261369 1.394707438 0.17106382 0.615324605 -6.026299197 stable

C17orf80 0.153490167 5.488544905 1.394601612 0.171095514 0.615324605 -6.026442099 stable

CWC27 -0.078030253 9.491063692 -1.394309059 0.171183156 0.615324605 -6.026837097 stable

SLTM -0.061747101 11.52517346 -1.394260069 0.171197836 0.615324605 -6.026903235 stable

FLJ13773 -0.168900047 3.29691508 -1.394204419 0.171214512 0.615324605 -6.026978361 stable

SCN2A -0.00472262 2.456481455 -1.394173409 0.171223806 0.615324605 -6.027020223 stable

RNF212B -0.205437212 3.203557068 -1.394146586 0.171231844 0.615324605 -6.027056431 stable

EIF4A2 0.009641406 3.137910721 1.3940715 0.171254349 0.615324605 -6.027157789 stable

ZNHIT1 0.075400997 10.07806879 1.393971529 0.171284316 0.615324605 -6.02729273 stable

RGS9 0.148082296 3.679021763 1.393950633 0.17129058 0.615324605 -6.027320934 stable

LOC100506882 /// USP32 -0.042372715 3.103074674 -1.393832629 0.171325959 0.615324605 -6.027480202 stable

INIP 0.005995789 2.961489199 1.39380772 0.171333427 0.615324605 -6.02751382 stable

GLIS3 0.005653476 2.770035775 1.393744962 0.171352245 0.615324605 -6.027598516 stable

GSN-AS1 0.002675662 2.434365791 1.393585962 0.171399929 0.615401883 -6.027813085 stable

FAM20B 0.075470633 9.901222482 1.393454808 0.17143927 0.615449187 -6.027990058 stable

C20orf166-AS1 0.006398456 2.895199475 1.392833943 0.171625599 0.615947369 -6.028827624 stable

CARD14 -0.031449395 4.013397426 -1.392817895 0.171630418 0.615947369 -6.02884927 stable

C12orf80 0.003501279 2.22455776 1.392574073 0.171703636 0.615974511 -6.029178097 stable

LARS -0.16336432 9.662488238 -1.392476938 0.171732812 0.615974511 -6.029309082 stable

TMEM208 0.114981817 8.892141078 1.392437049 0.171744795 0.615974511 -6.02936287 stable

CBX6 0.074385345 10.12804947 1.39233486 0.171775495 0.615974511 -6.029500659 stable

MLLT10 -0.110477077 7.959689974 -1.392234007 0.171805797 0.615974511 -6.029636636 stable

NOL3 -0.11073745 5.702508266 -1.392185 0.171820524 0.615974511 -6.029702708 stable

SLC48A1 -0.024173268 3.268941018 -1.39218242 0.171821299 0.615974511 -6.029706186 stable

CEBPD 0.258182073 13.17755869 1.391886139 0.171910351 0.61613423 -6.030105591 stable

PCYT1A 0.107204041 9.239969719 1.391859894 0.171918241 0.61613423 -6.030140967 stable

ATOH7 0.004340482 2.491270006 1.391348897 0.172071919 0.616498272 -6.030829628 stable

CUEDC2 -0.055946275 10.03743896 -1.391347831 0.17207224 0.616498272 -6.030831065 stable

LINC00556 0.008246336 2.711843071 1.390740853 0.172254922 0.616833057 -6.031648781 stable

MLLT11 0.112317261 8.544845483 1.39073826 0.172255703 0.616833057 -6.031652274 stable

HBG1 /// HBG2 -0.789770753 9.503430265 -1.390653832 0.172281126 0.616833057 -6.031765989 stable

LOC729870 -0.002474975 1.955446932 -1.390607015 0.172295224 0.616833057 -6.031829043 stable

LHX2 0.004599671 2.609333783 1.39060176 0.172296806 0.616833057 -6.031836121 stable

DTX2P1-UPK3BP1-PMS2P11 -0.086504938 4.100666815 -1.390132902 0.172438049 0.617167263 -6.032467484 stable

LINC00307 0.004911354 2.588170335 1.390117679 0.172442636 0.617167263 -6.032487982 stable

TAF1A 0.165165888 7.577678978 1.389984361 0.172482815 0.617208493 -6.03266747 stable

MATN1 -0.019770107 2.530420557 -1.389871164 0.172516936 0.617208493 -6.032819858 stable

BPI /// LOC149684 0.010603785 2.498054186 1.389806371 0.172536469 0.617208493 -6.032907078 stable

LOC101928009 0.003109358 2.470967746 1.389731242 0.172559119 0.617208493 -6.033008207 stable

CDC42BPB 0.004708544 2.493992697 1.38926819 0.172698777 0.617614101 -6.033631401 stable

RRAGB 0.053347012 3.526186946 1.389072475 0.172757832 0.617731372 -6.033894746 stable

ITGB7 0.108819161 11.0491856 1.388890226 0.172812837 0.617770815 -6.034139941 stable

NUDT10 -0.029455478 3.746004849 -1.388861886 0.172821392 0.617770815 -6.034178066 stable

PCBD2 -0.113068585 7.519728038 -1.388667593 0.17288005 0.617886591 -6.034439429 stable

SLC26A3 0.005798139 2.809289811 1.388503537 0.172929591 0.61794086 -6.03466009 stable

CEBPZOS 0.10010593 5.780394995 1.388443321 0.172947778 0.61794086 -6.034741078 stable

TBC1D32 -0.129453528 3.804028616 -1.388327185 0.172982858 0.617957318 -6.034897264 stable

FANCG 0.129902186 6.923835025 1.388254124 0.173004929 0.617957318 -6.034995516 stable

LOC100507403 0.007437717 2.992101106 1.387886316 0.173116077 0.618134865 -6.035490066 stable

ZNHIT6 -0.083112382 9.68309854 -1.387873829 0.173119851 0.618134865 -6.035506854 stable

ZSCAN21 0.19183037 7.823193131 1.387828754 0.173133476 0.618134865 -6.035567452 stable

LINC00598 0.003896946 2.560452388 1.387578144 0.173209245 0.618218586 -6.03590434 stable

TMEM95 -0.06727664 2.822871698 -1.387577325 0.173209493 0.618218586 -6.03590544 stable

PSMA8 0.059871166 4.211886541 1.387340927 0.173280989 0.618356665 -6.036223171 stable

ZNF135 0.00846972 1.749386867 1.387266092 0.173303627 0.618356665 -6.036323744 stable

NUBPL 0.11834297 6.933641366 1.387188675 0.173327048 0.618356665 -6.03642778 stable

IGF1 0.009007328 2.565095287 1.386919594 0.173408473 0.618403263 -6.036789344 stable

TMPRSS3 0.034321441 2.905235631 1.386904252 0.173413117 0.618403263 -6.036809958 stable

GRIK1 0.013964667 3.44068197 1.386884867 0.173418984 0.618403263 -6.036836002 stable

LRCH1 -0.086477576 2.700121544 -1.386700309 0.173474852 0.618489968 -6.037083951 stable

RP11-44F21.5 0.067860656 3.191120805 1.386587217 0.173509093 0.618489968 -6.037235871 stable

DRC1 -0.003661193 2.560090742 -1.386543984 0.173522184 0.618489968 -6.037293945 stable

LOC100996506 -0.028776857 3.4825608 -1.386414947 0.173561262 0.618535522 -6.037467266 stable

CCNDBP1 0.049339493 11.99429186 1.386098848 0.173657019 0.618741723 -6.037891788 stable

OGFR -0.103189762 9.833034654 -1.38595433 0.173700812 0.618741723 -6.038085846 stable

ZNF562 0.062935145 8.346176609 1.385828057 0.173739082 0.618741723 -6.038255389 stable

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FAM223A /// FAM223B 0.141475956 6.105252565 1.379491687 0.175667942 0.620810054 -6.046745149 stable

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MAGI2-IT1 0.004492995 2.688198672 1.372175469 0.177915676 0.622504614 -6.056503925 stable

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LOC101927657 0.00535052 2.551838378 1.37205832 0.177951847 0.622504614 -6.056659803 stable

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P4HA3 0.003538683 2.184454931 1.371795512 0.178033013 0.622504614 -6.057009448 stable

C18orf54 0.056491587 3.671930011 1.371705235 0.178060901 0.622504614 -6.057129541 stable

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LOC101927503 0.02087101 2.568641182 1.370266082 0.178505935 0.62326275 -6.059043033 stable

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CYAT1 /// IGLC1 /// IGLV1-44 -0.137796479 4.464071487 -1.368403641 0.179083139 0.623745174 -6.061516623 stable

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RIPPLY3 0.01367693 3.720917065 1.36781927 0.179264543 0.623771767 -6.062292123 stable

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ITIH2 -0.030146169 2.212273582 -1.367701427 0.179301142 0.623774908 -6.062448473 stable

LAMA2 0.0262762 2.833148593 1.36728143 0.179431628 0.624099575 -6.063005608 stable

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C20orf173 0.007633603 2.351241092 1.366795519 0.179582684 0.624200219 -6.063649987 stable

LOC101927950 -0.02902304 2.560898763 -1.36679381 0.179583216 0.624200219 -6.063652253 stable

NDRG2 -0.102571455 7.591949592 -1.366634503 0.179632761 0.624200219 -6.063863468 stable

DMKN -0.006372749 2.489735511 -1.36662591 0.179635434 0.624200219 -6.06387486 stable

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CA8 0.009300642 2.585165506 1.364637862 0.180254627 0.624649582 -6.066508798 stable

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MYC -0.129384023 12.02504402 -1.36459543 0.180267861 0.624649582 -6.066564978 stable

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SLC27A3 0.183381558 9.994250951 1.364503845 0.180296427 0.624649582 -6.066686231 stable

FAM96B 0.0690557 10.95144513 1.364371596 0.180337682 0.624649582 -6.066861307 stable

ETV5 0.024191929 3.182747306 1.364366552 0.180339256 0.624649582 -6.066867984 stable

ZNF157 0.006865575 2.842360796 1.364342086 0.180346889 0.624649582 -6.066900371 stable

MED8 0.148491336 8.129218896 1.364334437 0.180349276 0.624649582 -6.066910497 stable

CHP2 -0.003261817 2.23896153 -1.364157465 0.180404497 0.62466247 -6.067144748 stable

LILRP2 0.030593435 3.20371652 1.36415229 0.180406112 0.62466247 -6.067151597 stable

C21orf2 -0.042883722 7.359265433 -1.364031446 0.180443827 0.624701099 -6.067311539 stable

BTBD2 -0.088951678 9.929445075 -1.363832041 0.180506075 0.624822523 -6.067575429 stable

GAL3ST3 -0.030360969 2.708326146 -1.363748912 0.180532029 0.624822523 -6.06768543 stable

HKDC1 -0.066484016 5.14527008 -1.363508176 0.18060721 0.624901096 -6.068003954 stable

SNRNP40 0.106075678 8.827258194 1.363454049 0.180624116 0.624901096 -6.068075564 stable

ERMN -0.309960864 6.307820098 -1.363329445 0.180663041 0.624901096 -6.068240404 stable

ECM2 0.004375542 2.53280205 1.363251368 0.180687435 0.624901096 -6.068343686 stable

TCEAL2 0.003349088 2.345435371 1.363250934 0.180687571 0.624901096 -6.06834426 stable

LINC00382 0.008676099 3.144319765 1.362819873 0.180822294 0.625159086 -6.068914382 stable

NOXO1 0.006982238 2.544296977 1.362721392 0.180853084 0.625159086 -6.069044609 stable

ING1 0.09110804 9.397905331 1.362668354 0.180869668 0.625159086 -6.069114742 stable

PCDHAC2 0.002459199 2.33194073 1.362607875 0.18088858 0.625159086 -6.069194711 stable

LARP1 -0.083223093 10.05547538 -1.36258476 0.180895809 0.625159086 -6.069225273 stable

BARX2 -0.031506904 2.490658496 -1.362502164 0.18092164 0.625159086 -6.069334479 stable

UBL4A -0.09278197 9.605410524 -1.362275543 0.18099253 0.625268734 -6.06963408 stable

SMTNL2 0.008070714 2.606480301 1.362230764 0.181006539 0.625268734 -6.069693273 stable

VENTXP1 0.004638536 2.667013564 1.362003086 0.181077785 0.62540735 -6.069994216 stable

ACSM2B 0.002452278 2.372735862 1.361932602 0.181099845 0.62540735 -6.070087372 stable

IRAK2 0.006271812 2.826266886 1.361743896 0.181158918 0.62551951 -6.070336756 stable

RLN1 0.183928069 3.787995821 1.361514206 0.18123084 0.625675998 -6.07064026 stable

SPC25 -0.035661131 3.354553865 -1.361331842 0.181287958 0.625781342 -6.070881196 stable

ZNF155 0.199419912 6.040822385 1.361116206 0.181355516 0.625922683 -6.071166051 stable

LOC286359 0.015326102 3.370523419 1.361012909 0.181387885 0.625942553 -6.071302492 stable

KANK3 0.096463884 3.960930064 1.360777292 0.181461735 0.626105541 -6.071613676 stable

RBM18 0.158823356 7.257796385 1.360669771 0.181495443 0.626129998 -6.071755665 stable

MOSPD1 0.07975135 7.647709699 1.360577108 0.181524498 0.626138394 -6.071878024 stable

ZNF43 -0.110354769 9.606356548 -1.360269394 0.181621006 0.626269249 -6.072284299 stable

BARX1-AS1 0.004017565 2.564329562 1.360205405 0.181641079 0.626269249 -6.072368772 stable

FAM124B 0.054498604 2.469216381 1.360201476 0.181642312 0.626269249 -6.072373959 stable

B3GALNT1 0.007390698 2.927291002 1.360069642 0.181683675 0.626320052 -6.072547986 stable

TNFRSF8 0.292348246 7.105531037 1.35980687 0.181766141 0.626443019 -6.072894811 stable

FSIP2 0.004538496 2.749432652 1.359786256 0.181772612 0.626443019 -6.072922017 stable

RHNO1 -0.093895067 8.195656797 -1.359561926 0.181843038 0.626593921 -6.073218051 stable

LOC101928940 0.002724 2.212338964 1.359405042 0.181892303 0.626659522 -6.073425056 stable

GIT2 0.023553621 3.456355015 1.359331626 0.181915361 0.626659522 -6.073521919 stable

RP11-1069G10.1 -0.009649961 2.540188849 -1.358832435 0.182072202 0.627107961 -6.074180411 stable

LOC728613 /// PDCD6 0.014330546 3.368575598 1.358620733 0.182138748 0.627245314 -6.074459604 stable

GNA15 -0.156369356 9.121200219 -1.358342741 0.18222616 0.62737708 -6.07482616 stable

KIAA0355 -0.12280281 9.16630518 -1.358329399 0.182230356 0.62737708 -6.074843752 stable

RASGRP2 -0.11349153 13.00806371 -1.35812242 0.182295461 0.627509372 -6.075116626 stable

CTNND1 /// TMX2-CTNND1 0.144948553 7.835757149 1.357775053 0.182404765 0.627722685 -6.075574496 stable

PDZD3 -0.002984856 2.207683896 -1.357755861 0.182410805 0.627722685 -6.075599791 stable

CCDC105 -0.025379297 2.280625898 -1.357614887 0.18245518 0.627783543 -6.075785579 stable

FAM60A 0.068247768 11.13470244 1.357184229 0.182590792 0.628156268 -6.076353028 stable

KLHL2 0.106383698 10.15644722 1.357040202 0.182636162 0.628156268 -6.076542767 stable

RP11-18I14.11 0.021011955 2.57260766 1.357016513 0.182643625 0.628156268 -6.076573972 stable

HOXA-AS3 0.00279795 2.17006462 1.356691014 0.182746198 0.628417151 -6.077002705 stable

LOC100505658 0.005944261 2.635628915 1.356440758 0.182825089 0.6284554 -6.077332267 stable

ERCC3 0.064826376 8.116162386 1.356351151 0.182853343 0.6284554 -6.077450257 stable

TFF3 -0.060220576 3.115965538 -1.356345015 0.182855278 0.6284554 -6.077458336 stable

MAGEB4 0.012001048 2.577081178 1.356316735 0.182864196 0.6284554 -6.077495572 stable

PPP1R21 0.05827522 10.47194648 1.355863855 0.183007054 0.628802769 -6.07809178 stable

ULBP2 0.022967617 2.439685549 1.355714786 0.183054095 0.628802769 -6.078287986 stable

LOC101927494 0.011292421 3.315271808 1.35566324 0.183070363 0.628802769 -6.078355827 stable

PIGK 0.010622436 3.240700803 1.355633525 0.183079742 0.628802769 -6.078394935 stable

LOC283454 -0.017789693 3.366128323 -1.355572704 0.18309894 0.628802769 -6.078474978 stable

LAMTOR5 -0.059790512 11.35472206 -1.35526512 0.183196052 0.628966848 -6.078879725 stable

PLXNC1 0.166428751 10.12254506 1.355160638 0.183229048 0.628966848 -6.079017192 stable

SLC36A1 0.041176457 2.272375217 1.354819686 0.183336756 0.628966848 -6.079465718 stable

PROSER1 0.060974444 9.30137296 1.354811891 0.183339219 0.628966848 -6.079475971 stable

LPCAT3 0.103981958 7.470020597 1.354778359 0.183349814 0.628966848 -6.079520077 stable

SPIN2A 0.003176736 2.430058132 1.354754129 0.183357471 0.628966848 -6.079551947 stable

MRPS6 0.06789249 10.63935864 1.354645399 0.183391832 0.628966848 -6.079694954 stable

ZNF702P 0.172620196 2.871302043 1.354635574 0.183394937 0.628966848 -6.079707877 stable

MILR1 -0.202193802 7.889734727 -1.354631059 0.183396364 0.628966848 -6.079713815 stable

NENF -0.016971639 2.72846261 -1.354565076 0.18341722 0.628966848 -6.079800594 stable

SIMC1 0.093546309 8.684282164 1.354490273 0.183440865 0.628966848 -6.079898967 stable

ADAMTS6 -0.102299103 3.27815393 -1.353569681 0.183732053 0.629696024 -6.081109235 stable

DNAH12 0.00521871 2.593660942 1.353478351 0.183760961 0.629696024 -6.081229262 stable

PLK3 -0.120000506 7.31079549 -1.353455053 0.183768335 0.629696024 -6.08125988 stable

USP9X 0.052878068 10.17942042 1.353433517 0.183775152 0.629696024 -6.081288181 stable

CTD-3025N20.3 0.092616229 3.997791987 1.353387175 0.183789823 0.629696024 -6.08134908 stable

LRP1 -0.023811953 3.4809012 -1.353310296 0.183814162 0.629696024 -6.081450103 stable

TDRD3 -0.071813167 7.602289181 -1.352764531 0.183987018 0.630196395 -6.082167122 stable

FLJ30403 0.020839173 2.569009617 1.352675997 0.18401507 0.630200709 -6.082283413 stable

NHEG1 0.006348956 2.830780739 1.352231527 0.184155953 0.630591376 -6.082867122 stable

KCNH1 0.003720663 2.573845252 1.352094501 0.184199402 0.630648346 -6.083047039 stable

IQCJ-SCHIP1-AS1 -0.007053526 2.808832872 -1.351997856 0.184230052 0.630661484 -6.083173926 stable

MRPL4 -0.094542 9.232927321 -1.351905964 0.184259198 0.630669471 -6.083294565 stable

LOC100507316 -0.260987896 5.324152819 -1.351685845 0.184329029 0.63074755 -6.083583512 stable

RAD50 0.106520974 9.139998761 1.351665002 0.184335643 0.63074755 -6.083610871 stable

SPATA31E1 0.014343027 2.869444879 1.351527896 0.18437915 0.630752223 -6.083790825 stable

FAM195B 0.05896709 8.764809436 1.351463822 0.184399485 0.630752223 -6.083874917 stable

ECM1 -0.074989917 2.773873214 -1.351407196 0.184417458 0.630752223 -6.083949232 stable

SLC26A7 0.017307468 3.293272703 1.351158955 0.184496265 0.630893758 -6.084274984 stable

CTNS -0.17392653 7.644920607 -1.351106138 0.184513035 0.630893758 -6.084344285 stable

TTK -0.152877774 2.998008016 -1.351023403 0.184539308 0.630893758 -6.084452837 stable

SHKBP1 -0.091993532 10.57250605 -1.350750742 0.184625912 0.63109631 -6.084810538 stable

KDM5D 0.003972033 2.355808832 1.350667942 0.184652217 0.63109631 -6.084919149 stable

IFNA10 -0.002365003 2.28096011 -1.350426739 0.184728864 0.631266543 -6.085235509 stable

A1CF -0.098393746 2.499404377 -1.350298881 0.184769503 0.631313695 -6.085403184 stable

RP4-555D20.3 0.004848819 2.594310762 1.350114239 0.184828203 0.631381817 -6.085645304 stable

TMX2 0.069273877 10.65440614 1.350054936 0.184847059 0.631381817 -6.08572306 stable

FAIM 0.120061844 7.027318464 1.349888245 0.184900069 0.631381817 -6.085941607 stable

KIF18B 0.027186775 3.771240227 1.349839016 0.184915726 0.631381817 -6.086006145 stable

RP11-646E18.4 0.01044032 2.502009511 1.349814082 0.184923657 0.631381817 -6.086038832 stable

SH2D4A -0.018893396 2.945808344 -1.349690225 0.184963056 0.631403023 -6.086201195 stable

FAM101B -0.131409085 10.52242086 -1.349625787 0.184983556 0.631403023 -6.08628566 stable

RPL39L 0.14435486 3.508064442 1.349438115 0.185043273 0.631515209 -6.08653164 stable

TCL1B -0.024353792 2.485025543 -1.34914667 0.185136039 0.631614245 -6.086913574 stable

USP13 -0.116524829 8.192588047 -1.349093682 0.185152908 0.631614245 -6.086983005 stable

GPR137 -0.0354971 2.830450003 -1.349086409 0.185155224 0.631614245 -6.086992535 stable

FOPNL 0.045866427 10.8015748 1.349009522 0.185179705 0.631614245 -6.087093277 stable

CHD8 -0.052103564 10.09737632 -1.348839651 0.1852338 0.63170715 -6.087315834 stable

RAB5A 0.057115933 9.971255555 1.348519266 0.18533586 0.631912258 -6.08773552 stable

RAB11FIP2 0.050065061 9.916422013 1.348425981 0.185365584 0.631912258 -6.0878577 stable

DEFB127 0.004180266 2.358668173 1.348397875 0.185374541 0.631912258 -6.087894511 stable

CXorf40A 0.051236883 9.701275679 1.348242056 0.185424201 0.631949336 -6.088098575 stable

SFXN4 -0.115221611 7.99521067 -1.348195148 0.185439153 0.631949336 -6.088160002 stable

AP3S2 /// C15orf38-AP3S2 0.194448325 6.775429763 1.348030251 0.185491721 0.631998773 -6.088375925 stable

DDX19A -0.071010328 3.203896512 -1.347981079 0.185507399 0.631998773 -6.088440308 stable

PSEN1 -0.021354385 3.239334146 -1.347847797 0.185549899 0.632052018 -6.08861481 stable

WFIKKN2 0.002360601 1.881277245 1.347611156 0.185625377 0.632217563 -6.088924596 stable

PAQR3 0.025731751 2.711575919 1.347511333 0.185657223 0.632234479 -6.08905526 stable

HCG4B 0.013424487 2.305830233 1.34737369 0.185701142 0.632292495 -6.089235414 stable

FAM104B -0.046271645 8.123305317 -1.34721076 0.185753139 0.632364077 -6.089448642 stable

TIGD3 0.168604917 4.858083446 1.347139339 0.185775935 0.632364077 -6.089542104 stable

CHDH 0.0052752 2.683785901 1.34688385 0.185857502 0.632542218 -6.089876404 stable

C11orf49 -0.098430313 8.018506192 -1.346625256 0.185940088 0.632542218 -6.090214706 stable

GOLPH3 0.05301771 12.66525207 1.346476044 0.185987754 0.632542218 -6.090409884 stable

LINC00094 -0.117921749 7.697928441 -1.34646776 0.1859904 0.632542218 -6.09042072 stable

RP11-330M19.1 0.012893273 2.107894866 1.346406651 0.186009924 0.632542218 -6.090500647 stable

LOC100506125 -0.005111285 2.488525766 -1.346346461 0.186029156 0.632542218 -6.09057937 stable

IKBKB -0.060723775 11.37120535 -1.346243647 0.186062012 0.632542218 -6.090713834 stable

LOC101927553 0.00608462 2.882154776 1.346184145 0.186081028 0.632542218 -6.090791648 stable

RPL7AP71 /// RPL7AP71 0.03617467 4.191544601 1.346103749 0.186106724 0.632542218 -6.090896782 stable

SNX27 0.114472956 9.717425405 1.346080829 0.186114051 0.632542218 -6.090926754 stable

IL7 -0.226017812 5.142786623 -1.345996866 0.186140891 0.632542218 -6.091036544 stable

SUV420H2 0.006665304 2.926054479 1.345965303 0.186150981 0.632542218 -6.091077815 stable

MMP15 0.002991101 2.255753648 1.34571473 0.186231102 0.63272306 -6.091405421 stable

CXXC1P1 0.002939796 2.479433405 1.345622353 0.186260646 0.6327289 -6.091526184 stable

GDF9 -0.02160292 2.311866222 -1.345383698 0.18633699 0.6327289 -6.091838138 stable

MARK2 -0.053884322 8.972947073 -1.34537609 0.186339424 0.6327289 -6.091848081 stable

UGP2 -0.036062478 12.18745214 -1.345372968 0.186340423 0.6327289 -6.091852162 stable

JPH3 0.006508476 2.632090542 1.345245127 0.186381329 0.632776449 -6.092019245 stable

PTGIS 0.002849884 2.405269711 1.345054997 0.186442178 0.632891684 -6.092267711 stable

MPRIP -0.096784567 10.48821905 -1.344805602 0.186522018 0.632993675 -6.092593577 stable

RP11-373D23.2 0.408492542 8.001083062 1.344793018 0.186526047 0.632993675 -6.092610018 stable

LOC285889 0.009233538 3.006533903 1.344566439 0.186598607 0.633148563 -6.092906022 stable

LARGE 0.008027615 2.86768989 1.344072345 0.186756911 0.633594302 -6.093551352 stable

ROR1 -0.022904623 2.356512386 -1.343869965 0.186821782 0.633677285 -6.093815616 stable

LINC00837 0.008452516 2.801718799 1.343827946 0.186835252 0.633677285 -6.093870479 stable

LOC339862 0.007165809 2.645667926 1.343696541 0.186877384 0.6337288 -6.09404204 stable

LOC101929284 0.008616461 2.410524613 1.343552355 0.186923623 0.633794224 -6.094230272 stable

LOC101930578 /// TPTE2P2 0.007811473 2.802428988 1.343408274 0.186969836 0.633855037 -6.094418346 stable

INPPL1 -0.090969813 9.726514777 -1.34330642 0.187002511 0.633855037 -6.094551291 stable

MANBA -0.122408515 9.980409099 -1.343170518 0.187046115 0.633855037 -6.09472866 stable

CHRM4 -0.011967086 2.342028547 -1.343032814 0.187090305 0.633855037 -6.094908365 stable

MAGEA2 /// MAGEA2B 0.004020337 2.437476015 1.342955436 0.187115139 0.633855037 -6.095009337 stable

C16orf46 0.00420119 2.251906166 1.34286462 0.18714429 0.633855037 -6.095127837 stable

RBMXL1 -0.068235384 9.541223247 -1.342717644 0.187191475 0.633855037 -6.095319603 stable

MALAT1 -0.167450323 13.16187495 -1.342702775 0.187196249 0.633855037 -6.095339002 stable

TSHZ3 0.32439067 7.288875207 1.342694212 0.187198998 0.633855037 -6.095350172 stable

UXS1 -0.08819999 10.34108006 -1.342622571 0.187222002 0.633855037 -6.095443637 stable

IGFBP1 0.005835066 2.830204079 1.342546605 0.187246396 0.633855037 -6.095542739 stable

KATNB1 -0.082040555 8.52739435 -1.342298672 0.187326031 0.633855037 -6.095866145 stable

RNF112 -0.039795287 2.778170667 -1.342122711 0.187382564 0.633855037 -6.096095637 stable

CD44 -0.066030609 12.03061223 -1.342097419 0.187390691 0.633855037 -6.096128621 stable

UBXN2A -0.078245116 8.539488984 -1.34194249 0.187440479 0.633855037 -6.096330657 stable

DOCK9-AS2 -0.090297151 2.756077382 -1.341926557 0.1874456 0.633855037 -6.096351434 stable

KCNQ1DN -0.044807795 3.400120795 -1.34188196 0.187459934 0.633855037 -6.096409585 stable

SIK3 -0.116121254 2.596329797 -1.341499637 0.187582852 0.633855037 -6.096908044 stable

H2AFX 0.15371027 9.341773208 1.341463703 0.187594408 0.633855037 -6.096954887 stable

SPRNP1 -0.020196095 3.124156494 -1.341459728 0.187595686 0.633855037 -6.096960069 stable

TMEM260 -0.080574433 9.141093908 -1.341431159 0.187604874 0.633855037 -6.096997309 stable

ADAT2 -0.190489232 7.045145412 -1.341330971 0.187637098 0.633855037 -6.097127904 stable

ARID1B -0.063898662 4.858676313 -1.341317309 0.187641493 0.633855037 -6.097145711 stable

TAOK2 0.04970131 7.14786151 1.341055137 0.187725837 0.633855037 -6.097487404 stable

PRMT1 0.01227215 2.430192973 1.341019941 0.187737163 0.633855037 -6.09753327 stable

CASC4 0.133182153 7.218111569 1.341014374 0.187738954 0.633855037 -6.097540526 stable

NUTM2A /// NUTM2B -0.014413335 2.524843966 -1.341003802 0.187742356 0.633855037 -6.097554302 stable

NFKBIL1 -0.049306658 5.72948337 -1.340991666 0.187746261 0.633855037 -6.097570117 stable

QSOX1 0.136132095 9.410847373 1.340883308 0.187781133 0.633855037 -6.097711318 stable

DPPA2 0.026231422 4.284009751 1.340855101 0.187790212 0.633855037 -6.097748072 stable

LINC00628 -0.031381577 3.684952987 -1.340775986 0.187815677 0.633855037 -6.097851159 stable

LOC101929229 -0.004317124 2.482566368 -1.340739026 0.187827574 0.633855037 -6.097899315 stable

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ZNF578 0.196212457 4.579012765 1.34060247 0.187871536 0.633901362 -6.098077228 stable

BGLT3 -0.03242368 3.568583152 -1.340349827 0.187952891 0.634030825 -6.098406344 stable

PPDPF -0.171865742 9.880313852 -1.340162122 0.188013353 0.634030825 -6.098650828 stable

NT5C3B -0.206399478 9.101731163 -1.340151522 0.188016767 0.634030825 -6.098664634 stable

DNAH3 0.00412575 2.939612278 1.340148537 0.188017729 0.634030825 -6.098668521 stable

COL20A1 0.011485567 2.991211846 1.339967782 0.188075967 0.634077889 -6.098903921 stable

LOC253805 0.011132285 3.152063748 1.339893514 0.1880999 0.634077889 -6.099000634 stable

ACVRL1 -0.003149184 2.453338386 -1.339805888 0.18812814 0.634077889 -6.099114735 stable

TRIAP1 -0.10342265 9.794853392 -1.339725328 0.188154106 0.634077889 -6.099219628 stable

TBCD 0.081506342 6.511864832 1.339536138 0.188215096 0.634077889 -6.099465942 stable

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RRN3 0.072447774 8.879039408 1.339431885 0.188248711 0.634077889 -6.09960166 stable

SYP -0.027578952 3.49771419 -1.339360999 0.188271569 0.634077889 -6.099693934 stable

SPINK1 0.008532321 3.072093542 1.33935251 0.188274307 0.634077889 -6.099704985 stable

AFG3L1P -0.072739894 9.425014265 -1.339165374 0.188334664 0.634190356 -6.099948562 stable

ABO 0.009688713 2.195375708 1.338998385 0.188388536 0.634280955 -6.100165891 stable

HTR2B 0.019216408 2.512646234 1.338490281 0.188552526 0.634738038 -6.100827013 stable

SNRNP27 0.051143216 10.19756267 1.338369439 0.188591544 0.634738038 -6.100984214 stable

TP53BP1 -0.010803838 2.028643386 -1.338326987 0.188605253 0.634738038 -6.101039436 stable

DSG1 0.005031594 2.852315186 1.338234736 0.188635044 0.634747479 -6.10115943 stable

RCE1 -0.035111639 6.253791468 -1.338079831 0.188685078 0.634825022 -6.101360905 stable

MYT1L 0.021650897 2.66909784 1.337943405 0.188729152 0.634882493 -6.101538328 stable

LOC101929002 0.003003688 2.139646097 1.337766056 0.188786459 0.634906394 -6.101768948 stable

PPTC7 0.054201127 11.45433507 1.337683442 0.188813158 0.634906394 -6.101876366 stable

RCBTB2 0.003323595 2.374038166 1.337644508 0.188825741 0.634906394 -6.101926988 stable

LOC153546 -0.186450507 4.4198403 -1.337587309 0.18884423 0.634906394 -6.102001356 stable

C19orf68 -0.067320689 6.67837708 -1.337276441 0.188944735 0.635068809 -6.102405483 stable

LOC101929319 0.00561525 2.744625569 1.337224085 0.188961666 0.635068809 -6.102473537 stable

RP11-456P18.2 0.02668333 2.956786438 1.337047531 0.189018769 0.635068809 -6.102703009 stable

HOXD11 0.004507314 2.644221078 1.337046154 0.189019215 0.635068809 -6.102704799 stable

ELAVL1 0.044771404 11.60108298 1.337020422 0.189027539 0.635068809 -6.102738242 stable

SLC2A5 -0.311664925 4.887081971 -1.33691196 0.189062626 0.635095977 -6.102879197 stable

PTGFRN 0.020836823 2.707542693 1.33670461 0.189129718 0.635230631 -6.103148636 stable

C17orf59 0.125048732 8.6773902 1.336503693 0.189194747 0.635358314 -6.103409679 stable

RABEP2 -0.094727668 6.70077577 -1.336293827 0.18926269 0.635495749 -6.103682312 stable

NFYC-AS1 -0.052892836 2.570908333 -1.336191696 0.189295761 0.635516069 -6.103814974 stable

CSH1 /// CSHL1 /// GH1 /// GH2 -0.051072099 4.036530341 -1.335972719 0.189366682 0.635594909 -6.10409938 stable

PARD6G -0.021225128 3.387420794 -1.335926717 0.189381584 0.635594909 -6.104159123 stable

BSCL2 /// HNRNPUL2-BSCL2 -0.120360237 8.515210329 -1.335697336 0.189455902 0.635594909 -6.104456988 stable

LOC101928198 /// MFAP3L -0.017156767 3.52071348 -1.335693503 0.189457144 0.635594909 -6.104461964 stable

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LOC101927058 0.002146647 2.246529409 1.335468969 0.189529913 0.635594909 -6.10475349 stable

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DIS3L -0.129812756 10.30772883 -1.334791412 0.189749633 0.636047471 -6.105632928 stable

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PARP10 0.09706053 9.236817607 1.334645916 0.18979684 0.636108788 -6.105821722 stable

ORC1 0.003413825 2.513167212 1.334518738 0.189838111 0.636156463 -6.105986732 stable

RFWD2 0.100867684 10.76646976 1.334349062 0.189893184 0.636180431 -6.106206859 stable

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NBEAL2 0.095347376 6.001287875 1.334246727 0.189926406 0.636180431 -6.106339609 stable

LOC100506813 0.016297298 3.197774621 1.334077146 0.189981468 0.636190738 -6.106559573 stable

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PTEN -0.073878303 11.38856751 -1.333136962 0.190286961 0.636680186 -6.107778621 stable

ATP6V0C -0.072413144 10.64545916 -1.333120996 0.190292152 0.636680186 -6.107799316 stable

FBXO15 0.105831 3.05503722 1.332927907 0.19035494 0.636786094 -6.108049577 stable

LOC100862671 /// SRCAP 0.082459491 7.167907605 1.332811092 0.190392933 0.636786094 -6.108200963 stable

NOC2L -0.155566874 4.35692388 -1.332748415 0.190413321 0.636786094 -6.108282185 stable

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GRIA3 0.004165315 2.491184952 1.331940973 0.190676116 0.63702928 -6.109328216 stable

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PRKAR1A 0.095532667 13.20015627 1.329519555 0.191465868 0.638004977 -6.112461666 stable

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RUNX1-IT1 0.199435761 9.536345917 1.326207626 0.19255011 0.63959485 -6.116739069 stable

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ASB7 0.107975684 6.969249952 1.324087982 0.193246484 0.639967999 -6.11947151 stable

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B4GALT1 -0.112339609 5.992865203 -1.323992502 0.193277898 0.639967999 -6.119594501 stable

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AK5 0.347061333 5.251301559 1.293375104 0.203553472 0.652044862 -6.158615143 stable

CNTD2 -0.054809519 4.599369027 -1.293334929 0.203567222 0.652044862 -6.158665795 stable

NOD1 -0.047633516 8.309928659 -1.293271227 0.203589025 0.652044862 -6.158746108 stable

DMXL1 -0.095665505 10.2648924 -1.293062493 0.203660481 0.652108081 -6.159009243 stable

MBNL1-AS1 -0.115814815 3.476226777 -1.293051591 0.203664213 0.652108081 -6.159022985 stable

LOC101928779 -0.009593512 3.194592106 -1.292908266 0.203713289 0.652176435 -6.159203641 stable

HSBP1 -0.082690896 10.49217029 -1.292469223 0.203863677 0.652411805 -6.159756922 stable

MAGEB1 0.003565184 2.511477802 1.292466616 0.20386457 0.652411805 -6.159760207 stable

MTMR1 -0.069040797 10.71331749 -1.292334636 0.203909794 0.652411805 -6.159926495 stable

TAS2R4 0.002910367 2.13910942 1.292323992 0.203913442 0.652411805 -6.159939905 stable

PADI3 -0.029811627 2.422939657 -1.292288818 0.203925496 0.652411805 -6.159984218 stable

NYAP1 -0.01103108 3.479403473 -1.291932756 0.20404755 0.65269821 -6.160432744 stable

DAP3 -0.057089523 12.06425384 -1.291793975 0.204095137 0.65269821 -6.160607534 stable

ZNF10 0.268038298 4.094339445 1.291784848 0.204098267 0.65269821 -6.160619028 stable

KRT40 0.041326209 3.827057893 1.29159386 0.20416377 0.652818928 -6.16085954 stable

DMAP1 -0.098976551 8.734705455 -1.291415736 0.204224876 0.652819524 -6.161083824 stable

LINC01021 0.029155162 3.349523453 1.291379137 0.204237433 0.652819524 -6.161129903 stable

LOC283075 0.003715088 2.471896345 1.291283396 0.204270284 0.652819524 -6.16125044 stable

ZIC4 0.005852141 2.76947995 1.291145358 0.204317656 0.652819524 -6.161424214 stable

ASPA 0.002042607 2.18666989 1.291105268 0.204331415 0.652819524 -6.161474678 stable

LOC101927539 0.003592238 2.344780313 1.291094462 0.204335124 0.652819524 -6.161488282 stable

C16orf93 -0.157123661 3.466697487 -1.291001889 0.2043669 0.652819524 -6.161604806 stable

LOC100132735 0.006002251 2.676476762 1.290946265 0.204385995 0.652819524 -6.161674818 stable

LOC100506858 0.019704528 2.462911324 1.29039256 0.204576145 0.653338155 -6.162371598 stable

DISP1 0.109696255 5.155902765 1.290235442 0.204630126 0.65342183 -6.162569264 stable

AF090939 -0.208398974 4.20762859 -1.290107449 0.204674109 0.65347356 -6.162730273 stable

CAMK2B 0.002310471 2.25387945 1.289933334 0.204733952 0.653575907 -6.162949278 stable

RRP9 0.0818946 6.174799613 1.289794523 0.20478167 0.653600196 -6.163123856 stable

DCUN1D2 -0.092961052 7.729685473 -1.289749538 0.204797136 0.653600196 -6.163180429 stable

DZIP3 -0.156377149 5.876419073 -1.289312244 0.204947527 0.653806737 -6.163730273 stable

DEFB118 -0.043855774 2.966247302 -1.289217559 0.204980101 0.653806737 -6.163849306 stable

PWWP2A 0.020530538 3.758640795 1.288967491 0.20506615 0.653806737 -6.164163637 stable

EMILIN1 -0.03028866 3.177292254 -1.288966911 0.20506635 0.653806737 -6.164164366 stable

C7orf31 -0.090747318 8.211845546 -1.288775082 0.205132378 0.653806737 -6.164405455 stable

MAN1B1-AS1 -0.107518833 5.698834525 -1.28870984 0.205154837 0.653806737 -6.164487442 stable

RIMKLA -0.008614611 2.476441269 -1.288617896 0.205186493 0.653806737 -6.164602979 stable

SSH2 -0.13536049 6.211694112 -1.288364679 0.205273692 0.653806737 -6.164921134 stable

ERLIN1 0.14316969 9.635612153 1.288267465 0.205307177 0.653806737 -6.165043263 stable

RP1-265C24.8 0.015220176 2.732257516 1.288208187 0.205327596 0.653806737 -6.165117728 stable

BX648501 0.002485919 2.250904963 1.288084003 0.20537038 0.653806737 -6.165273722 stable

GOT2P1 /// GOT2P1 -0.013382015 2.356690659 -1.288011803 0.205395257 0.653806737 -6.165364407 stable

KDM4B 0.032787941 2.921681512 1.287987568 0.205403608 0.653806737 -6.165394848 stable

LINC00856 -0.003077105 2.554505771 -1.28791909 0.205427205 0.653806737 -6.165480853 stable

PRPF31 -0.081128105 8.698686921 -1.287602155 0.205536448 0.653806737 -6.165878858 stable

LOC102724537 0.009362073 2.732570752 1.287347487 0.20562426 0.653806737 -6.166198604 stable

RP11-369C8.1 0.014961694 3.489119106 1.287311425 0.205636696 0.653806737 -6.166243876 stable

MIP -0.029769212 2.930785447 -1.287272776 0.205650026 0.653806737 -6.166292396 stable

SH3GL1 -0.034703492 9.764299791 -1.287221499 0.205667712 0.653806737 -6.166356765 stable

MAEL -0.044945553 2.462349164 -1.287122218 0.205701958 0.653806737 -6.16648139 stable

DYNLL1-AS1 0.002579175 2.37917246 1.287100654 0.205709397 0.653806737 -6.166508457 stable

LINC00342 -0.196150779 6.344199333 -1.287100287 0.205709524 0.653806737 -6.166508918 stable

CLDN18 0.012483144 3.052230955 1.286980821 0.205750739 0.653806737 -6.166658866 stable

TLR1 0.241586009 10.30010859 1.286847534 0.20579673 0.653806737 -6.166826145 stable

MAPKAP1 -0.062735661 9.050507762 -1.286757334 0.205827859 0.653806737 -6.166939342 stable

HIST3H2A 0.108524633 7.362680414 1.28674471 0.205832215 0.653806737 -6.166955183 stable

DKK3 0.015088811 3.389598496 1.286675832 0.205855988 0.653806737 -6.167041615 stable

PSKH2 0.003883607 2.785736477 1.286629138 0.205872106 0.653806737 -6.167100207 stable

MIR3917 /// STMN1 -0.051029274 7.591634384 -1.286610954 0.205878382 0.653806737 -6.167123024 stable

OR5L2 0.043670514 3.338207818 1.286580128 0.205889023 0.653806737 -6.167161703 stable

IFNL2 0.010478306 2.604625366 1.286489845 0.205920191 0.653806737 -6.16727498 stable

LINC01088 0.018276676 3.389400124 1.286329596 0.205975521 0.653806737 -6.167476027 stable

YBX2 -0.096836234 4.821507073 -1.286314578 0.205980706 0.653806737 -6.167494867 stable

FANK1 -0.016862533 2.781006033 -1.286188289 0.206024319 0.653806737 -6.167653289 stable

PRIM2 0.08266654 5.210035864 1.286107652 0.206052171 0.653806737 -6.167754437 stable

ERVH-6 -0.038949312 3.213478963 -1.285979109 0.206096574 0.653806737 -6.167915663 stable

LINC01204 -0.005360164 2.79088305 -1.285975551 0.206097803 0.653806737 -6.167920125 stable

PPP1R3B -0.040182335 2.43803684 -1.285967872 0.206100456 0.653806737 -6.167929756 stable

RNF130 0.019738896 2.771437437 1.285899653 0.206124024 0.653806737 -6.168015314 stable

TSPAN16 0.023973413 2.800723656 1.285809496 0.206155175 0.653806737 -6.168128379 stable

LRCH2 0.01114899 3.12672126 1.285737619 0.206180012 0.653806737 -6.168218513 stable

FAM135B 0.006708149 2.868229316 1.285645357 0.206211897 0.653806737 -6.168334205 stable

DPP6 0.002835029 2.097069314 1.285509281 0.20625893 0.653806737 -6.168504823 stable

MS4A4A 0.436362079 8.095994058 1.285460762 0.206275702 0.653806737 -6.168565655 stable

ARNT 0.136042306 6.838190386 1.285405548 0.206294789 0.653806737 -6.168634876 stable

C9orf173 -0.016848973 3.501862641 -1.285347222 0.206314954 0.653806737 -6.168707997 stable

LOC100288974 /// MBL1P -0.056906528 3.387381029 -1.285068644 0.206411287 0.653806737 -6.169057198 stable

PLLP -0.129111616 4.332847867 -1.285013807 0.206430253 0.653806737 -6.169125928 stable

SF3B3 0.047269917 10.2787446 1.284983369 0.206440781 0.653806737 -6.169164077 stable

PRLH -0.025621742 2.163280102 -1.284828512 0.206494351 0.653806737 -6.169358151 stable

KRBOX1 0.005779851 2.811176363 1.284795369 0.206505818 0.653806737 -6.169399684 stable

ZNF295-AS1 0.009325345 2.381334748 1.284754603 0.206519922 0.653806737 -6.169450769 stable

GPR84 0.278518271 3.746636727 1.284540624 0.206593969 0.653806737 -6.169718886 stable

MYL6 0.042459849 14.85249143 1.284440339 0.206628679 0.653806737 -6.169844531 stable

TIAF1 0.035959718 3.803082028 1.284403525 0.206641422 0.653806737 -6.169890652 stable

USP22 -0.047305036 10.75848214 -1.284369281 0.206653275 0.653806737 -6.169933551 stable

NAT16 -0.033734373 3.07035667 -1.284363785 0.206655178 0.653806737 -6.169940437 stable

CCNB3 0.002965864 2.462107237 1.28431206 0.206673084 0.653806737 -6.170005234 stable

AVPR1B 0.028354502 2.271633072 1.28427989 0.206684221 0.653806737 -6.170045533 stable

RIPPLY1 0.008760304 2.808073344 1.2842788 0.206684599 0.653806737 -6.170046899 stable

CAPN12 0.113328579 7.396520169 1.284259948 0.206691125 0.653806737 -6.170070514 stable

GK-AS1 /// GK-AS1 -0.02148876 2.224729025 -1.284188808 0.206715756 0.653806737 -6.170159626 stable

EPOR /// RGL3 -0.07216852 8.605284978 -1.284117154 0.206740567 0.653806737 -6.170249378 stable

ABCC10 0.073896946 8.830108225 1.284111664 0.206742468 0.653806737 -6.170256254 stable

MROH7 0.003533472 2.671334211 1.284106386 0.206744296 0.653806737 -6.170262865 stable

C14orf169 0.102367828 9.312090744 1.284064535 0.206758788 0.653806737 -6.170315283 stable

LOC101929774 0.242402475 2.624053738 1.284049755 0.206763907 0.653806737 -6.170333795 stable

CLK3 0.048457974 10.2128304 1.284026752 0.206771873 0.653806737 -6.170362605 stable

ECHDC2 -0.114182866 9.4701943 -1.283903725 0.206814483 0.653806737 -6.170516684 stable

GTF2H2 /// GTF2H2B -0.214383409 9.58664155 -1.283777165 0.206858323 0.653806737 -6.170675174 stable

ASAP1-IT1 0.227514025 4.065455318 1.283644304 0.206904353 0.653806737 -6.170841538 stable

PRPF4 0.071107718 9.722616426 1.283615458 0.206914348 0.653806737 -6.170877657 stable

TMIE -0.027821872 3.537301731 -1.283612864 0.206915247 0.653806737 -6.170880905 stable

LINC01351 0.004889945 2.433231493 1.283602578 0.206918811 0.653806737 -6.170893784 stable

RP11-182L21.5 -0.11227005 7.424891621 -1.283463971 0.206966843 0.653829193 -6.171067321 stable

STT3A 0.132334941 8.43928341 1.283395882 0.206990441 0.653829193 -6.171152564 stable

FLJ20712 -0.008031336 2.370167166 -1.283341439 0.207009311 0.653829193 -6.171220718 stable

P2RX4 -0.082558747 9.360564695 -1.283106479 0.207090764 0.653915477 -6.171514826 stable

RASGRP4 -0.068988951 3.849979269 -1.283102244 0.207092232 0.653915477 -6.171520126 stable

SPP2 0.046290914 2.446511008 1.282942779 0.207147528 0.653946313 -6.171719707 stable

UTP20 0.073786252 6.95899462 1.282913726 0.207157603 0.653946313 -6.171756065 stable

ZNF529 -0.152758625 7.869074518 -1.282778143 0.207204628 0.654006985 -6.171925734 stable

CENPT -0.119590549 8.187648786 -1.282687744 0.207235986 0.654018197 -6.172038849 stable

GBP2 0.143355101 11.68505022 1.282505105 0.207299351 0.654130404 -6.172267363 stable

ZNF335 -0.072913958 8.702806482 -1.2822644 0.207382884 0.654306213 -6.172568481 stable

LINC01153 0.002977531 2.392832563 1.281820526 0.20753699 0.654478791 -6.173123624 stable

C12orf55 0.007161499 3.045214836 1.281681419 0.207585304 0.654478791 -6.173297566 stable

GPR64 0.003776587 2.361156103 1.281649835 0.207596274 0.654478791 -6.173337056 stable

CENPW -0.270159382 6.016278444 -1.281584413 0.207619 0.654478791 -6.173418853 stable

TMEM14C -0.100500629 10.72664459 -1.281535326 0.207636053 0.654478791 -6.173480225 stable

LOC101928597 0.015274833 2.749245346 1.281514904 0.207643148 0.654478791 -6.173505756 stable

EID2B 0.15595864 5.752292788 1.281502814 0.207647348 0.654478791 -6.173520871 stable

MUC5AC -0.007212789 2.392080506 -1.281465865 0.207660185 0.654478791 -6.173567064 stable

HEXDC -0.107164518 8.448844821 -1.281120367 0.20778025 0.654543609 -6.173998939 stable

TDRD7 0.118174056 9.174167945 1.281095753 0.207788806 0.654543609 -6.174029702 stable

IMP3 0.07433638 10.92930187 1.281002908 0.207821081 0.654543609 -6.174145738 stable

MLK7-AS1 0.003390168 2.606241801 1.280917617 0.207850733 0.654543609 -6.174252328 stable

ALDOB 0.02117918 3.483514682 1.28089544 0.207858443 0.654543609 -6.174280041 stable

LOC284395 0.00362611 2.189523536 1.280868987 0.207867641 0.654543609 -6.174313098 stable

KIAA1109 0.012447038 2.940219929 1.280769261 0.207902318 0.654543609 -6.174437715 stable

DUSP13 -0.016525494 2.636269923 -1.2807274 0.207916875 0.654543609 -6.174490021 stable

LOC100505540 -0.023991603 2.708903238 -1.280633242 0.207949621 0.654543609 -6.174607666 stable

SSBP2 -0.139141316 6.518761626 -1.280606185 0.207959032 0.654543609 -6.174641472 stable

KIAA1211 0.002344878 2.297946024 1.280437929 0.20801756 0.654640224 -6.174851676 stable

LINC01105 0.031105229 2.532262713 1.280280606 0.208072296 0.65472488 -6.1750482 stable

VARS2 -0.129157613 8.997265759 -1.280124155 0.20812674 0.654750534 -6.175243612 stable

NLRC3 0.146342978 10.76652669 1.280090937 0.208138301 0.654750534 -6.175285099 stable

TEF 0.024996776 3.040265564 1.280017217 0.20816396 0.654750534 -6.175377168 stable

ZNF836 -0.153359905 6.995146817 -1.279731848 0.208263307 0.65494924 -6.17573352 stable

CHRM3 0.004127049 2.451030212 1.279616903 0.208303333 0.65494924 -6.175877034 stable

CPS1 0.004847919 2.715846807 1.27959207 0.208311981 0.65494924 -6.175908039 stable

OXNAD1 -0.195835277 11.23570992 -1.279451691 0.208360874 0.65494924 -6.17608329 stable

ATG16L2 -0.11792524 10.4508657 -1.279359934 0.208392837 0.65494924 -6.176197833 stable

TIMM23 0.005438454 2.460805608 1.279356003 0.208394206 0.65494924 -6.176202739 stable

TTC7A -0.125442207 8.894309939 -1.278972374 0.20852788 0.655155947 -6.176681547 stable

NKAP 0.110137462 7.830985912 1.278938582 0.208539658 0.655155947 -6.176723715 stable

HSF1 -0.064496624 8.789517349 -1.278927448 0.208543539 0.655155947 -6.17673761 stable

MRPL19 0.070250442 8.567458814 1.278670708 0.20863304 0.655240989 -6.177057963 stable

EZR -0.101515813 10.53452268 -1.278614108 0.208652775 0.655240989 -6.17712858 stable

RP11-37C7.3 0.009238824 2.662366598 1.278561977 0.208670953 0.655240989 -6.177193617 stable

C5orf30 0.134266827 6.619341953 1.278415651 0.208721983 0.655240989 -6.177376158 stable

LINC01169 0.009178976 2.757990026 1.278325058 0.208753582 0.655240989 -6.177489163 stable

EFNA3 -0.100797078 6.362407512 -1.278294208 0.208764343 0.655240989 -6.177527643 stable

LOC283731 0.002907172 2.460240976 1.278269588 0.208772931 0.655240989 -6.177558352 stable

RP5-991G20.4 -0.005261202 2.373559113 -1.278210711 0.20879347 0.655240989 -6.177631787 stable

P4HB 0.08619855 11.19978913 1.277981009 0.208873617 0.655386539 -6.177918259 stable

SMAD3 0.105554313 7.62519211 1.27791808 0.208895578 0.655386539 -6.177996732 stable

ACTR3B -0.117138283 6.813501476 -1.277637772 0.208993421 0.655606061 -6.178346237 stable

TMEM229B 0.003371346 2.256226938 1.277286665 0.209116025 0.65581302 -6.178783917 stable

SDHD 0.066157585 12.07456949 1.277109786 0.20917781 0.65581302 -6.179004369 stable

FSD1L 0.011645684 3.234957161 1.277052483 0.20919783 0.65581302 -6.179075782 stable

ZNF709 0.059362044 3.849122983 1.277030212 0.209205611 0.65581302 -6.179103536 stable

INSM1 0.002067544 2.335640977 1.27702057 0.20920898 0.65581302 -6.179115551 stable

NUP62CL 0.046764899 3.152004313 1.276898837 0.209251515 0.65581302 -6.179267246 stable

RNMTL1 0.082722024 8.150004688 1.276890097 0.209254569 0.65581302 -6.179278137 stable

MAST1 -0.019871582 2.197612151 -1.276610201 0.209352394 0.656032197 -6.179626869 stable

FLJ36848 -0.055058202 4.766204394 -1.276247848 0.20947909 0.656315288 -6.180078234 stable

NFU1 -0.057710363 10.23272863 -1.276125585 0.209521852 0.656315288 -6.180230505 stable

RSPO4 -0.012977786 2.539214043 -1.276112456 0.209526444 0.656315288 -6.180246855 stable

RP11-847H18.2 0.008787102 2.358291342 1.275661647 0.209684176 0.656623443 -6.180808186 stable

QPCTL 0.008681991 2.451333463 1.275602259 0.209704962 0.656623443 -6.18088212 stable

BAK1 0.10981133 7.976605072 1.275555143 0.209721453 0.656623443 -6.180940775 stable

CDK3 /// TEN1-CDK3 -0.162938583 4.857513674 -1.275490127 0.209744212 0.656623443 -6.181021708 stable

UBXN10-AS1 0.126793796 2.900445799 1.275407196 0.209773244 0.656623443 -6.181124938 stable

OTUD7B 0.002180912 2.411947397 1.275352708 0.209792321 0.656623443 -6.18119276 stable

AX748292 0.070364554 2.977312619 1.275080402 0.209887677 0.656766356 -6.181531662 stable

MAF1 -0.062404275 10.12218904 -1.275062843 0.209893827 0.656766356 -6.181553512 stable

FPR2 0.388149407 8.979557801 1.274837108 0.209972901 0.656926391 -6.1818344 stable

PRR30 0.010757556 2.837335517 1.274618407 0.210049533 0.657078241 -6.182106491 stable

CBX1 0.032883518 10.51586376 1.274539152 0.210077309 0.657078241 -6.182205084 stable

CDHR2 -0.036996323 4.909449547 -1.274415666 0.210120591 0.657126237 -6.182358688 stable

ATP2C2 -0.009691051 2.268739923 -1.274314347 0.210156109 0.657149939 -6.182484709 stable

CYP27C1 0.006914324 2.868928741 1.274102255 0.210230473 0.65729509 -6.182748478 stable

FBXL5 0.079630603 12.97157864 1.274001612 0.210265768 0.657318066 -6.182873629 stable

RGS4 0.001946073 1.988096725 1.273768623 0.210347493 0.657486163 -6.183163321 stable

LOXL3 -0.192681633 8.051950412 -1.273496243 0.210443064 0.657611835 -6.183501928 stable

ABCA7 -0.113638372 9.615946105 -1.273450554 0.210459099 0.657611835 -6.183558719 stable

RAB36 -0.005198319 2.146287785 -1.273415009 0.210471574 0.657611835 -6.183602901 stable

ALDH6A1 0.010765179 3.00410118 1.272881244 0.210658974 0.658062546 -6.184266215 stable

CCDC85A -0.101921016 4.807471633 -1.272779975 0.210694542 0.658062546 -6.184392034 stable

C11orf1 0.015910571 3.431648534 1.272723363 0.210714428 0.658062546 -6.184462366 stable

PCED1B-AS1 0.129912471 8.388081664 1.272685477 0.210727737 0.658062546 -6.184509431 stable

TUBA1C -0.056844643 13.14288371 -1.272452196 0.210809699 0.658231106 -6.18479921 stable

SMARCA2 0.091171067 11.12127892 1.272319327 0.210856393 0.658289515 -6.184964237 stable

RWDD3 -0.096178354 9.983448478 -1.271879547 0.211010998 0.658674256 -6.185510341 stable

IGHG1 /// IGHM -0.295605041 6.134691498 -1.271809485 0.211035636 0.658674256 -6.185597325 stable

HYDIN -0.00259382 2.647973226 -1.271715394 0.211068728 0.658679838 -6.185714137 stable

ACTG1P4 /// AMY1A /// AMY1B /// AMY1C /// AMY2A /// AMY2B -0.202580623 8.830389835 -1.271499686 0.211144607 0.658679838 -6.1859819 stable

UBXN2B 0.080026965 10.26095315 1.271467062 0.211156085 0.658679838 -6.186022394 stable

PTCSC1 -0.037209508 3.185276471 -1.271461165 0.21115816 0.658679838 -6.186029713 stable

PARK2 0.00495785 2.695010247 1.271199815 0.211250126 0.658679838 -6.186354068 stable

SNHG18 0.002634795 2.282548713 1.271194521 0.21125199 0.658679838 -6.186360638 stable

PAK1 0.002046845 1.551072761 1.271150279 0.211267561 0.658679838 -6.18641554 stable

TMEM30A 0.080085133 10.80694056 1.271097205 0.211286242 0.658679838 -6.186481399 stable

TRDN 0.008966895 3.016286617 1.27104414 0.211304921 0.658679838 -6.186547244 stable

LINC00942 0.005970826 2.729450085 1.271008511 0.211317463 0.658679838 -6.186591453 stable

FOXRED1 -0.067083308 7.476207896 -1.270871351 0.211365752 0.658743058 -6.186761631 stable

CELA2B -0.007822156 2.659799936 -1.270715127 0.211420763 0.658770095 -6.186955442 stable

SLC16A1 0.113183768 6.103980443 1.270634071 0.211449309 0.658770095 -6.187055991 stable

ANXA2 /// NHP2L1 -0.047004114 12.51184298 -1.27055123 0.211478487 0.658770095 -6.187158748 stable

C1orf131 0.109098109 9.704017727 1.270496157 0.211497886 0.658770095 -6.187227058 stable

LOC102724975 0.014796673 2.817830632 1.270371674 0.21154174 0.658770095 -6.18738145 stable

DIP2B -0.208975227 5.696027474 -1.270369591 0.211542474 0.658770095 -6.187384035 stable

ADCY6 -0.023398871 2.379719938 -1.269901955 0.211707277 0.659000671 -6.187963906 stable

REXO1L1P 0.002453737 2.385149048 1.269811712 0.211739091 0.659000671 -6.188075784 stable

ATP5H 0.107312861 6.343726674 1.269786264 0.211748063 0.659000671 -6.188107333 stable

LOC100133039 0.120614044 6.809491697 1.269710346 0.211774831 0.659000671 -6.188201445 stable

SRSF11 -0.099327233 10.54568068 -1.269689746 0.211782094 0.659000671 -6.188226981 stable

LOC100506538 0.017085946 3.566700753 1.26968258 0.211784621 0.659000671 -6.188235864 stable

ZNF79 0.076951013 4.27707445 1.269293305 0.211921919 0.65934067 -6.18871834 stable

ATP10A 0.011083103 2.884736867 1.269106085 0.211987976 0.659458959 -6.188950337 stable

IGDCC3 0.003965513 2.906343458 1.268995447 0.21202702 0.659493193 -6.189087421 stable

RP4-614O4.12 0.099737995 3.935753618 1.268828212 0.212086046 0.659512987 -6.18929461 stable

SH2B3 0.099017387 11.31529845 1.268802181 0.212095235 0.659512987 -6.189326857 stable

C16orf86 -0.123796283 5.763819627 -1.268739108 0.212117501 0.659512987 -6.18940499 stable

CTD-3028N15.1 -0.01669819 3.72494765 -1.268507666 0.21219922 0.659679863 -6.189691665 stable

LOC285740 0.01197926 2.252760314 1.268340903 0.212258115 0.659725605 -6.189898196 stable

AC005523.2 0.158561659 3.727514924 1.268155982 0.212323439 0.659725605 -6.190127187 stable

EIF3M -0.05794429 12.89378837 -1.267948888 0.212396612 0.659725605 -6.190383596 stable

BPNT1 0.135907279 7.472605451 1.267850742 0.212431297 0.659725605 -6.190505101 stable

LOC100505664 0.00251369 2.331252728 1.267839253 0.212435358 0.659725605 -6.190519324 stable

SCN3B 0.001780453 2.17339634 1.26780318 0.212448107 0.659725605 -6.190563979 stable

UBL5 0.061811879 11.94870947 1.267747867 0.212467658 0.659725605 -6.19063245 stable

FKBP1A /// LOC101929368 -0.067161487 13.20494753 -1.267632339 0.212508497 0.659725605 -6.190775452 stable

LOC100996693 /// SPEG -0.01401505 2.424424342 -1.26762585 0.212510791 0.659725605 -6.190783484 stable

PXDC1 -0.183819897 6.048247228 -1.267607216 0.212517379 0.659725605 -6.190806548 stable

TMEM60 0.150266726 10.42075719 1.267592827 0.212522466 0.659725605 -6.190824357 stable

EML4 -0.302241864 8.414251168 -1.267376559 0.212598935 0.659862317 -6.191092016 stable

LOC400891 0.008593194 2.823134152 1.267309604 0.212622614 0.659862317 -6.191174874 stable

ZNF692 -0.091716562 8.862251381 -1.267182588 0.212667538 0.659869693 -6.191332044 stable

LOC51145 -0.003429329 2.547344751 -1.267144249 0.2126811 0.659869693 -6.191379482 stable

PTPN1 0.121346449 8.711064196 1.266805328 0.212801014 0.660154662 -6.191798785 stable

TMEM41B 0.087074237 9.732412536 1.266667616 0.212849752 0.66019861 -6.191969128 stable

PRR15 0.010257253 3.17382396 1.266472433 0.212918845 0.66019861 -6.192210531 stable

BC017209 0.003245169 2.597298514 1.266456592 0.212924453 0.66019861 -6.192230122 stable

TMEM126B 0.091160412 2.598117923 1.266448115 0.212927454 0.66019861 -6.192240605 stable

RAPSN -0.011518189 2.545370863 -1.265961423 0.213099817 0.660645948 -6.192842389 stable

RP11-502N13.2 0.003942103 2.680790792 1.265803772 0.213155672 0.660722979 -6.193037274 stable

CFLAR-AS1 0.002889009 2.418548822 1.265732727 0.213180846 0.660722979 -6.193125092 stable

ARTN 0.003136955 2.472732532 1.265643015 0.213212639 0.660734449 -6.193235977 stable

BRD9 -0.064853291 10.10046807 -1.265447719 0.21328186 0.660861892 -6.193477341 stable

ZNF195 -0.054846281 8.585171092 -1.265354102 0.213315048 0.660877666 -6.193593028 stable

FOXD1 0.016953817 2.458855963 1.265226566 0.213360266 0.660899078 -6.193750618 stable

KRT4 -0.002243944 2.242792104 -1.265176116 0.213378156 0.660899078 -6.193812954 stable

SNORA71A 0.002335379 2.332273014 1.265072904 0.213414757 0.660925413 -6.193940472 stable

NSF -0.013161887 3.101184538 -1.264860385 0.213490138 0.661071817 -6.19420301 stable

LINC01428 0.002214199 2.253746436 1.264623371 0.21357423 0.661245157 -6.194495762 stable

PGM5 0.002175653 1.951988196 1.264484038 0.213623676 0.661311199 -6.194667836 stable

IPO5P1 0.01839531 2.676194901 1.264339195 0.213675088 0.661338441 -6.194846698 stable

WISP3 0.005464614 2.769547004 1.264257761 0.213703996 0.661338441 -6.194947249 stable

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C16orf82 -0.022307856 2.764614517 -1.264142426 0.213744944 0.661338441 -6.195089651 stable

IFNL1 0.020542496 3.385453876 1.263781447 0.213873143 0.66164806 -6.195535265 stable

SELM -0.145644745 7.366026048 -1.263149535 0.214097701 0.662066867 -6.196315054 stable

CMAS 0.069464527 7.918087239 1.263120049 0.214108183 0.662066867 -6.196351432 stable

LOC101805491 /// TMEM247 0.003506697 2.68955976 1.263080391 0.214122283 0.662066867 -6.196400358 stable

STRA13 -0.072032679 9.470921634 -1.262881564 0.214192981 0.662066867 -6.196645626 stable

RAD9B -0.087883726 3.35737207 -1.262801711 0.21422138 0.662066867 -6.196744122 stable

C11orf24 -0.122109843 7.219445457 -1.262723833 0.214249079 0.662066867 -6.196840175 stable

IGSF11-AS1 0.00909959 2.903832997 1.262680716 0.214264416 0.662066867 -6.196893352 stable

UBQLN3 0.002001203 2.190452192 1.262669635 0.214268357 0.662066867 -6.196907019 stable

MAF 0.013054679 3.215153763 1.262556038 0.214308768 0.662066867 -6.197047112 stable

ZMYM5 0.122969597 8.597379375 1.262362419 0.214377659 0.662066867 -6.197285865 stable

FOXN4 -0.023322684 2.700058019 -1.262190267 0.214438926 0.662066867 -6.19749812 stable

RPP21 /// TRIM39 /// TRIM39-RPP21 -0.052952599 9.338313739 -1.262142885 0.214455791 0.662066867 -6.197556535 stable

LOC101929628 0.003002066 2.309213731 1.262131879 0.214459709 0.662066867 -6.197570103 stable

S100A7A -0.024383406 2.54620556 -1.262112027 0.214466775 0.662066867 -6.197594577 stable

BC036308 /// RP1-117O3.2 0.013813399 3.133742913 1.262027884 0.214496728 0.662066867 -6.197698306 stable

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LEKR1 0.011814601 3.062336465 1.261840039 0.214563609 0.662066867 -6.19792985 stable

POU5F1P3 0.026676073 3.075434601 1.261704717 0.214611798 0.662066867 -6.198096634 stable

OR1D2 -0.010468335 3.420218466 -1.261635373 0.214636496 0.662066867 -6.198182093 stable

GRIK4 0.022126372 2.737312832 1.26156793 0.214660518 0.662066867 -6.198265206 stable

TSSK4 0.007257942 2.986604559 1.261538244 0.214671092 0.662066867 -6.198301788 stable

LOC440173 0.016062177 3.234755483 1.261384097 0.214726007 0.662066867 -6.19849173 stable

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LOC100271832 0.005271629 2.391736843 1.261284488 0.214761498 0.662066867 -6.198614458 stable

ZBTB44 0.147711809 7.336364406 1.261262499 0.214769334 0.662066867 -6.19864155 stable

NPFF -0.136314956 5.838725793 -1.261247806 0.214774569 0.662066867 -6.198659652 stable

CTD-2561B21.11 -0.002757627 2.168269419 -1.261185814 0.214796661 0.662066867 -6.198736026 stable

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CENPP /// LOC100128361 0.012522201 2.6302601 1.260853033 0.214915279 0.662109968 -6.199145951 stable

SFRP5 -0.092745289 4.796127417 -1.260830694 0.214923243 0.662109968 -6.199173465 stable

MIA-RAB4B /// RAB4B 0.075825407 9.382353049 1.260711787 0.21496564 0.662153852 -6.199319909 stable

BC040646 /// RP11-732A21.2 0.006875389 2.611846763 1.260614761 0.21500024 0.662173712 -6.199439397 stable

PKDREJ 0.00447509 2.237709647 1.260483105 0.215047195 0.662231615 -6.199601517 stable

ZNF84 0.06378127 9.23002206 1.26023292 0.215136446 0.662248721 -6.19990955 stable

TAAR1 0.003871067 2.401799896 1.260151966 0.215165331 0.662248721 -6.20000921 stable

FARP2 0.009077995 3.146270265 1.260108603 0.215180805 0.662248721 -6.200062592 stable

UBTF 0.111153917 8.272693293 1.260074401 0.21519301 0.662248721 -6.200104693 stable

AKAP7 0.099423161 9.951154542 1.260072949 0.215193528 0.662248721 -6.200106481 stable

ARMC12 -0.021142678 2.171084766 -1.259868531 0.215266487 0.662321612 -6.200358093 stable

CXorf30 0.003149079 2.349278025 1.259848797 0.215273531 0.662321612 -6.200382382 stable

XKR4 0.004371481 2.65385047 1.2595958 0.215363856 0.662444209 -6.200693733 stable

HSBP1L1 -0.190333614 8.090578026 -1.259579416 0.215369706 0.662444209 -6.200713894 stable

LOC100996724 /// LOC100996761 /// LOC101929792 /// LOC101930416 /// PDE4DIP -0.19613394 7.47785474 -1.259407244 0.215431192 0.662475568 -6.200925741 stable

PKD1L2 0.01293674 2.46247065 1.259314123 0.215464454 0.662475568 -6.201040311 stable

LINC00682 0.002206159 2.396369631 1.259242762 0.215489945 0.662475568 -6.201128102 stable

LOC286149 /// MIR3150A /// MIR3150B -0.045368635 2.830189753 -1.259235433 0.215492563 0.662475568 -6.201137119 stable

DECR2 -0.085843279 6.92479536 -1.258866417 0.215624419 0.662684262 -6.201591025 stable

NXF5 0.011943181 2.632557703 1.258866393 0.215624427 0.662684262 -6.201591055 stable

KRTAP5-8 -0.045009629 3.467167783 -1.258808916 0.21564497 0.662684262 -6.201661743 stable

C11orf97 0.003292857 2.455162988 1.258570483 0.215730204 0.662801857 -6.201954949 stable

BECN1 -0.012139121 3.580615092 -1.258542745 0.215740122 0.662801857 -6.201989057 stable

LOC100652768 -0.119163043 7.402168682 -1.258355243 0.21580717 0.662801857 -6.202219592 stable

ATPAF1 0.095223476 7.421175605 1.258243805 0.215847026 0.662801857 -6.20235659 stable

LPCAT4 0.121084976 6.320537541 1.258119913 0.215891342 0.662801857 -6.202508886 stable

FKBP4 0.020771617 2.704995374 1.258067035 0.215910259 0.662801857 -6.202573883 stable

SEL1L 0.08886656 10.43440685 1.258066015 0.215910624 0.662801857 -6.202575137 stable

RAMP2-AS1 0.002488945 2.340428336 1.257983253 0.215940234 0.662801857 -6.202676862 stable

KSR1 0.035248646 3.016619583 1.257982174 0.21594062 0.662801857 -6.202678188 stable

VWA9 -0.018058089 2.549439655 -1.257913956 0.215965028 0.662801857 -6.202762031 stable

COL12A1 0.003423934 2.553569593 1.257812711 0.216001258 0.662826562 -6.202886459 stable

LINC00536 0.006745284 2.729549939 1.257600475 0.21607722 0.66295867 -6.203147263 stable

TMOD3 0.082275016 9.562354608 1.25743484 0.216136517 0.66295867 -6.203350774 stable

NLRC5 -0.115685447 11.85086763 -1.257423902 0.216140433 0.66295867 -6.203364211 stable

SULT1C4 0.0031939 2.397295248 1.25735551 0.216164922 0.66295867 -6.203448235 stable

AL133493.2 0.013102924 3.43913586 1.257216291 0.216214776 0.66295867 -6.203619259 stable

RP11-164P12.3 -0.040227825 3.51462439 -1.257119122 0.216249577 0.66295867 -6.203738617 stable

LA16c-83F12.6 0.002099951 2.070386354 1.257077111 0.216264625 0.66295867 -6.203790218 stable

COPS5 0.050026699 11.15440815 1.256925523 0.216318927 0.66295867 -6.203976399 stable

KLHL20 0.085368934 6.944247404 1.256921684 0.216320303 0.66295867 -6.203981114 stable

KCNJ13 0.008036222 2.792318637 1.256905314 0.216326168 0.66295867 -6.204001219 stable

EEF2 0.041567218 14.59082467 1.256530571 0.216460458 0.663267689 -6.204461384 stable

NT5DC4 0.028890457 3.209011633 1.256446859 0.216490464 0.663267689 -6.20456416 stable

CENPJ -0.10306925 5.47420735 -1.25625173 0.216560421 0.663267689 -6.204803704 stable

DDX3Y 0.014835393 3.328234363 1.256232857 0.216567189 0.663267689 -6.204826871 stable

PLXNB1 0.003004755 2.472225213 1.256230603 0.216567997 0.663267689 -6.204829637 stable

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INSL5 0.00256049 2.440495461 1.256052943 0.216631707 0.663290078 -6.205047703 stable

CBX2 -0.029926175 2.521302026 -1.255949658 0.216668752 0.663309101 -6.205174465 stable

C11orf42 0.002259995 2.216851138 1.255814711 0.216717161 0.663309101 -6.205340071 stable

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TMEM255A 0.119214206 3.05640371 1.25564714 0.216777284 0.663316319 -6.205545691 stable

IGLC1 /// IGLV9-49 /// IGLV9-49 -0.280219847 2.49893256 -1.255635997 0.216781282 0.663316319 -6.205559363 stable

ZNF71 0.179823511 5.776180558 1.255445897 0.216849504 0.66343876 -6.205792594 stable

BLCAP -0.046458575 11.10966114 -1.255035756 0.216996748 0.663724469 -6.206295681 stable

DIABLO 0.080460679 9.668563932 1.255028574 0.216999327 0.663724469 -6.206304489 stable

KLHL10 0.009110331 2.926924481 1.254879882 0.217052728 0.663801484 -6.20648684 stable

SYT14 0.003583165 2.630737939 1.254750132 0.217099334 0.663857699 -6.206645943 stable

BTRC 0.005640597 2.793424989 1.254557399 0.217168576 0.663983113 -6.206882251 stable

SYT1 0.008151804 2.842363587 1.254061259 0.2173469 0.664401828 -6.20749041 stable

EIF4G1 0.08623118 9.287567616 1.254019206 0.21736202 0.664401828 -6.207541947 stable

SLC8A1-AS1 0.070057534 2.914873315 1.25389257 0.217407555 0.664454666 -6.207697135 stable

ALK -0.028093883 2.28219398 -1.253717564 0.217470496 0.664485757 -6.207911575 stable

DENND5A -0.084903436 11.67510332 -1.253671409 0.217487097 0.664485757 -6.207968125 stable

FANCD2OS -0.040783943 2.927841007 -1.253580571 0.217519774 0.664485757 -6.208079416 stable

SLC11A1 -0.313032562 5.81196204 -1.25350852 0.217545695 0.664485757 -6.208167686 stable

RPS3A /// SNORD73A 0.023870283 15.86779067 1.253244421 0.217640728 0.664485757 -6.208491191 stable

BC040898 /// RP11-244K5.6 0.011832235 3.143672707 1.253116416 0.2176868 0.664485757 -6.208647966 stable

TIPARP-AS1 0.062444914 2.8223275 1.253105086 0.217690878 0.664485757 -6.208661842 stable

LINC00973 0.006376879 2.689400854 1.253071369 0.217703015 0.664485757 -6.208703136 stable

WASH1 /// WASH2P -0.070676464 10.93053087 -1.253068568 0.217704023 0.664485757 -6.208706565 stable

GIPC2 0.006690594 2.910998083 1.253018226 0.217722146 0.664485757 -6.208768217 stable

UNC45A -0.059789972 8.716409344 -1.252953348 0.217745502 0.664485757 -6.208847665 stable

PTBP3 0.070420041 9.716133486 1.252760585 0.21781491 0.664485757 -6.209083698 stable

CEP83-AS1 -0.013332809 2.742231859 -1.252574051 0.217882091 0.664485757 -6.209312072 stable

AX746699 0.003175575 2.48542276 1.252437828 0.217931161 0.664485757 -6.209478831 stable

DNAJC11 -0.05602987 8.778804144 -1.252385362 0.217950063 0.664485757 -6.209543053 stable

CEP85 0.090281653 8.367678603 1.252372745 0.217954609 0.664485757 -6.209558496 stable

ECT2 0.136658544 5.008176712 1.252355859 0.217960692 0.664485757 -6.209579165 stable

SGCA -0.020596726 2.316350878 -1.252336719 0.217967588 0.664485757 -6.209602593 stable

FLYWCH1 -0.148261656 8.988356869 -1.252153447 0.218033629 0.664485757 -6.209826903 stable

FNBP4 -0.065234837 11.13685385 -1.252142806 0.218037464 0.664485757 -6.209839927 stable

LOC101927526 0.053558962 2.777894745 1.252043228 0.218073352 0.664485757 -6.209961789 stable

LOC93463 0.02144579 3.218602261 1.252018143 0.218082393 0.664485757 -6.209992485 stable

DECR1 0.049603728 11.74502519 1.25196077 0.218103074 0.664485757 -6.210062693 stable

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CLN8 0.086491227 7.623300087 1.251677811 0.218205089 0.664485757 -6.210408903 stable

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MYOD1 -0.024837569 5.646248928 -1.251581152 0.218239946 0.664485757 -6.210527154 stable

SETDB2 0.03815431 2.604973072 1.251565435 0.218245613 0.664485757 -6.210546379 stable

GARNL3 0.002400358 2.272148044 1.251480195 0.218276356 0.664485757 -6.210650651 stable

ENPP1 0.003586518 2.498377733 1.251437252 0.218291845 0.664485757 -6.21070318 stable

SOX30 0.007938066 2.921239443 1.251078627 0.21842123 0.664485757 -6.21114179 stable

DNAH14 0.014775655 3.310117406 1.251077175 0.218421754 0.664485757 -6.211143566 stable

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SUGCT -0.014609226 2.382148601 -1.251027571 0.218439655 0.664485757 -6.211204224 stable

CDHR3 -0.038741842 2.871047116 -1.25096849 0.218460976 0.664485757 -6.211276468 stable

ARNTL2 0.00520466 2.579135386 1.250875286 0.218494616 0.664485757 -6.211390431 stable

ABHD12B /// MIR4454 0.007059816 2.737309642 1.250797687 0.218522627 0.664485757 -6.211485308 stable

IL36RN -0.01914082 3.4675204 -1.250705287 0.218555984 0.664485757 -6.211598274 stable

BC036055 /// PREX2 0.025121439 3.45543696 1.250662781 0.21857133 0.664485757 -6.211650238 stable

TGIF2 0.082403657 8.605737443 1.250607657 0.218591233 0.664485757 -6.211717626 stable

HMX2 0.006312409 2.763350061 1.250552191 0.218611261 0.664485757 -6.211785429 stable

ZNF703 0.225540227 7.898149203 1.250511272 0.218626036 0.664485757 -6.211835447 stable

SNAI2 0.004988268 3.029963809 1.250493344 0.21863251 0.664485757 -6.211857361 stable

C15orf49 0.012783789 3.0984715 1.250403215 0.21866506 0.66449882 -6.211967526 stable

FAM153A -0.062545881 4.236044702 -1.250052555 0.218791731 0.664661354 -6.212396069 stable

SSX3 -0.004891009 2.584413431 -1.250046908 0.218793772 0.664661354 -6.21240297 stable

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THEMIS2 0.142910407 12.38692847 1.249803647 0.218881679 0.664671196 -6.212700194 stable

C14orf93 -0.100589012 7.26184939 -1.249758475 0.218898006 0.664671196 -6.212755381 stable

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NCBP2 -0.047725071 9.931697871 -1.249316169 0.21905792 0.664671196 -6.21329565 stable

NUP37 0.078371148 9.35521965 1.249272251 0.219073803 0.664671196 -6.213349285 stable

LOC730139 -0.036479438 4.029418015 -1.249111032 0.219132115 0.664671196 -6.21354616 stable

SDR16C5 0.020423146 3.009013555 1.249053928 0.219152773 0.664671196 -6.213615889 stable

LONRF3 0.174309562 3.762942887 1.249005968 0.219170123 0.664671196 -6.213674449 stable

FAM110A 0.097780959 10.37916077 1.248998698 0.219172753 0.664671196 -6.213683326 stable

MAST3 0.064001426 9.567732386 1.24887306 0.219218211 0.664671196 -6.213836722 stable

ALG1 0.045255333 7.256269188 1.24885314 0.219225419 0.664671196 -6.213861042 stable

CDRT15 -0.049843407 3.060780004 -1.248839268 0.219230438 0.664671196 -6.213877978 stable

PON2 0.150920384 7.77515036 1.248639498 0.219302736 0.664693685 -6.214121851 stable

FH 0.089204305 6.709443933 1.248596353 0.219318352 0.664693685 -6.214174515 stable

AC004158.3 /// AK055364 0.006354887 2.923740264 1.248584521 0.219322635 0.664693685 -6.214188958 stable

LINC00662 0.098564812 3.856672915 1.248459254 0.219367981 0.664717615 -6.214341854 stable

CMTM1 0.002181626 2.014833255 1.248406578 0.219387052 0.664717615 -6.214406145 stable

BIN3-IT1 -0.151000375 7.372284924 -1.248253248 0.21944257 0.664758831 -6.214593268 stable

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LZTFL1 0.099250507 8.583718845 1.247669449 0.21965405 0.665269495 -6.21530554 stable

CCNE2 0.145713508 3.357106904 1.247440032 0.219737197 0.665414897 -6.215585358 stable

CASQ1 0.015068535 2.368516394 1.246895733 0.21993456 0.665414897 -6.216249048 stable

HMGN2P46 0.019714192 3.101799265 1.246894609 0.219934968 0.665414897 -6.216250418 stable

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TTTY7 0.004695255 2.399664647 1.246821377 0.219961532 0.665414897 -6.216339692 stable

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SKAP2 -0.143462603 10.26653337 -1.246585629 0.220047064 0.665414897 -6.216627053 stable

VSIG1 -0.255615387 4.9267645 -1.246519317 0.220071126 0.665414897 -6.216707873 stable

COL6A6 0.002567851 2.081544949 1.246502406 0.220077263 0.665414897 -6.216728484 stable

LOC339298 0.00556245 2.223798083 1.246353937 0.220131147 0.665414897 -6.21690942 stable

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AGTPBP1 0.108922956 7.53478467 1.246240016 0.2201725 0.665414897 -6.21704824 stable

LOC101928082 /// SH2D6 -0.009128411 2.225352619 -1.246235079 0.220174292 0.665414897 -6.217054255 stable

LRRC75B -0.028742582 2.725467999 -1.246220403 0.220179619 0.665414897 -6.217072138 stable

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SPATA1 0.019992688 3.526084278 1.246152007 0.22020445 0.665414897 -6.217155476 stable

GLOD4 0.055088598 11.0489905 1.246091526 0.220226409 0.665414897 -6.217229166 stable

CCL14 /// CCL15-CCL14 -0.020483756 2.497673643 -1.246077315 0.220231568 0.665414897 -6.21724648 stable

SLC22A18AS 0.064249191 5.381196888 1.246039408 0.220245332 0.665414897 -6.217292664 stable

TMEM173 0.085799734 10.63347891 1.245933171 0.22028391 0.665414897 -6.217422091 stable

ZNF785 0.113310392 5.44270087 1.245827081 0.220322439 0.665414897 -6.217551328 stable

ST6GALNAC3 0.184046223 4.606604104 1.245821564 0.220324443 0.665414897 -6.217558048 stable

PCCA 0.070283939 7.480740423 1.245730833 0.220357398 0.665428985 -6.217668567 stable

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UBE2H -0.071696433 10.01318182 -1.244646764 0.22075144 0.666045174 -6.21898849 stable

TULP2 -0.005343991 2.129792383 -1.244645969 0.22075173 0.666045174 -6.218989457 stable

SFRP1 0.007189433 2.712195162 1.244622463 0.22076028 0.666045174 -6.219018065 stable

DCDC2B -0.046010558 6.419151656 -1.244473348 0.220814523 0.666045174 -6.219199535 stable

ABCC13 0.007713724 2.955178805 1.244468455 0.220816303 0.666045174 -6.219205491 stable

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CARHSP1 -0.042615599 2.512971388 -1.243970493 0.22099752 0.666239467 -6.219811355 stable

EEF2K /// LOC101930123 0.092619802 8.550500766 1.243932308 0.221011421 0.666239467 -6.219857804 stable

GARS -0.056019308 10.97856626 -1.243784539 0.22106522 0.666239467 -6.220037546 stable

LOC728040 -0.026805321 2.69610602 -1.24375245 0.221076904 0.666239467 -6.220076574 stable

LOC101929279 -0.010928364 2.828765232 -1.243746709 0.221078995 0.666239467 -6.220083558 stable

PTGIR -0.150242217 6.1962487 -1.243639856 0.221117906 0.666271363 -6.220213513 stable

STAC2 -0.107760706 5.442863754 -1.243379375 0.221212782 0.666284825 -6.22053027 stable

SLC6A2 0.003806802 2.209149124 1.243347742 0.221224306 0.666284825 -6.220568734 stable

SGTA -0.074234341 7.322964874 -1.243320856 0.2212341 0.666284825 -6.220601424 stable

SBSN -0.002732785 2.623967317 -1.243316514 0.221235682 0.666284825 -6.220606704 stable

RP11-247L20.4 -0.11296823 7.237651395 -1.243110607 0.221310708 0.666325507 -6.220857041 stable

TNPO3 0.035354638 8.50414627 1.243076526 0.221323128 0.666325507 -6.220898473 stable

SSRP1 -0.062523238 9.944469365 -1.243003693 0.221349671 0.666325507 -6.22098701 stable

RBFOX2 -0.02251791 2.684811733 -1.242829603 0.221413127 0.666325507 -6.22119862 stable

SIRT2 0.238451283 7.221902685 1.2426516 0.221478023 0.666325507 -6.221414956 stable

PNMA2 0.030760292 2.583386395 1.242378918 0.221577464 0.666325507 -6.221746306 stable

WDR88 0.005267183 2.454730248 1.242357659 0.221585218 0.666325507 -6.221772136 stable

FTH1 -0.069214694 15.34466465 -1.242295123 0.221608029 0.666325507 -6.221848116 stable

SOHLH2 0.001918962 1.983936853 1.242212315 0.221638237 0.666325507 -6.22194872 stable

STON2 -0.073813429 2.298211285 -1.242204227 0.221641188 0.666325507 -6.221958547 stable

ATF6 -0.062244564 9.23597195 -1.242154954 0.221659164 0.666325507 -6.222018405 stable

PRELP -0.024566902 2.306686599 -1.242034039 0.221703282 0.666325507 -6.22216529 stable

SESN3 0.011325012 2.289468701 1.241824495 0.221779753 0.666325507 -6.222419807 stable

MGC39584 0.020009444 2.951352893 1.241782511 0.221795077 0.666325507 -6.222470796 stable

C8orf46 0.004661175 2.581538912 1.241769076 0.221799981 0.666325507 -6.222487114 stable

GPR137C 0.003831802 2.81965222 1.241723006 0.221816797 0.666325507 -6.222543063 stable

GRASPOS -0.006259222 2.279665036 -1.241713205 0.221820375 0.666325507 -6.222554966 stable

ENPP3 -0.253129824 4.170457174 -1.241696917 0.221826321 0.666325507 -6.222574747 stable

JUNB -0.154687464 12.41144266 -1.241679586 0.221832647 0.666325507 -6.222595793 stable

CCL13 -0.005251409 2.956997541 -1.241653275 0.221842252 0.666325507 -6.222627745 stable

NTNG1 0.002243594 2.217927833 1.241623142 0.221853253 0.666325507 -6.222664337 stable

SLC6A3 -0.02065712 2.300665975 -1.241300563 0.221971043 0.666325507 -6.223056013 stable

DAW1 0.002275155 2.348755401 1.240978599 0.222088654 0.666325507 -6.223446848 stable

LOC102724323 -0.026161282 2.460289463 -1.24084966 0.222135768 0.666325507 -6.223603342 stable

GPNMB 0.019297858 3.385966163 1.240796644 0.222155142 0.666325507 -6.223667684 stable

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RHBDL2 0.00507898 2.614170936 1.240732778 0.222178482 0.666325507 -6.223745189 stable

TUSC5 0.009117508 2.450735047 1.240685934 0.222195603 0.666325507 -6.223802036 stable

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ZPBP 0.003339633 2.417495678 1.240519023 0.222256615 0.666325507 -6.22400457 stable

RGS9BP 0.001936116 2.122425559 1.240506812 0.222261079 0.666325507 -6.224019386 stable

PRKCZ -0.089159397 7.906645358 -1.240440682 0.222285255 0.666325507 -6.224099622 stable

ST3GAL2 0.112214502 7.808851189 1.240320994 0.222329017 0.666325507 -6.224244831 stable

WDR48 0.070149733 10.01928018 1.240286233 0.222341728 0.666325507 -6.224287001 stable

ZDHHC17 -0.084337676 10.63250058 -1.240267091 0.222348728 0.666325507 -6.224310223 stable

DMP1 0.008350922 3.03319778 1.240247317 0.222355959 0.666325507 -6.224334211 stable

TMEM110 /// TMEM110-MUSTN1 0.124455704 7.064359853 1.240220461 0.22236578 0.666325507 -6.22436679 stable

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MOAP1 -0.101985872 11.72834228 -1.24012072 0.222402258 0.666325507 -6.224487779 stable

FAM213B -0.089087927 9.315678829 -1.240116246 0.222403895 0.666325507 -6.224493206 stable

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LINC01352 0.010447948 2.992901155 1.240020251 0.222439007 0.666325507 -6.224609643 stable

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LOC102723779 -0.103421051 5.51613439 -1.239739025 0.222541896 0.666443087 -6.224950706 stable

RILPL1 -0.190543972 5.219735734 -1.239680641 0.22256326 0.666443087 -6.225021503 stable

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PIF1 0.017773983 3.435507421 1.239451821 0.222647008 0.666524153 -6.225298945 stable

TXNDC16 0.066787973 8.928940296 1.239271217 0.222713125 0.666637237 -6.225517892 stable

DIO3 -0.021279888 2.34589892 -1.239147531 0.222758413 0.666647682 -6.225667819 stable

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NUPL2 0.095452099 8.291788 1.239013148 0.222807627 0.666647682 -6.225830699 stable

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LCA5 0.013699473 3.326696584 1.238094951 0.223144101 0.667106294 -6.226943165 stable

PHGR1 0.007175851 2.432913709 1.238069449 0.223153451 0.667106294 -6.226974051 stable

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SPHK2 0.065475352 5.192848551 1.237396843 0.223400175 0.667518613 -6.227788465 stable

IL9R 0.079077115 2.793753551 1.237325775 0.223426256 0.667518613 -6.227874493 stable

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HLA-C 0.033665329 15.2894373 1.236981417 0.223552663 0.667620896 -6.228291273 stable

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SUFU 0.073207774 8.053691318 1.236039555 0.223898671 0.668060465 -6.229430672 stable

DEFT1P /// DEFT1P2 -0.025569555 2.918430789 -1.235920317 0.223942504 0.668106498 -6.229574861 stable

SERPINB7 -0.005859111 2.774263222 -1.23575369 0.224003767 0.668144307 -6.229776334 stable

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ZNF32-AS3 0.006791346 2.726103834 1.234247119 0.224558251 0.668897132 -6.231596823 stable

TRIM35 0.087521001 8.25546428 1.234156255 0.224591726 0.668897132 -6.231706554 stable

EIF3K -0.048073265 13.06436013 -1.234110759 0.224608488 0.668897132 -6.231761494 stable

CCDC43 0.071294562 8.583293858 1.23410961 0.224608911 0.668897132 -6.231762882 stable

COQ3 -0.077588278 7.431367513 -1.234047835 0.224631672 0.668897132 -6.231837477 stable

UAP1L1 -0.157637285 7.653533251 -1.234007216 0.22464664 0.668897132 -6.231886524 stable

POM121L10P /// POM121L8P /// POM121L9P -0.020549857 2.280639777 -1.233964097 0.224662529 0.668897132 -6.231938587 stable

RNF213 0.138002732 11.46931524 1.233868194 0.224697872 0.668917688 -6.23205438 stable

SELE 0.007851172 2.90044311 1.233632796 0.224784641 0.66905937 -6.23233856 stable

PITHD1 0.106482988 5.629742503 1.23355733 0.224812463 0.66905937 -6.232429656 stable

SNRPG 0.063706091 12.6053786 1.23347811 0.224841673 0.66905937 -6.232525276 stable

RP4-710M16.1 -0.068774961 6.377138786 -1.233430452 0.224859246 0.66905937 -6.232582798 stable

PSMG1 0.084911575 8.59856468 1.233098404 0.224981712 0.669309742 -6.232983512 stable

BRK1 0.105357647 5.402830775 1.232992984 0.225020604 0.669309742 -6.233110712 stable

PRH1 /// PRH1-PRR4 /// PRH2 -0.005906581 3.190143258 -1.232970881 0.225028759 0.669309742 -6.23313738 stable

TJP1 0.00718219 2.455349347 1.232860643 0.225069434 0.669346083 -6.23327038 stable

GLCE 0.248215012 5.424534793 1.232574417 0.225175071 0.669575582 -6.233615655 stable

NR2C1 -0.065391734 9.346201426 -1.232397551 0.225240365 0.669638484 -6.233828972 stable

PIK3R6 -0.275368658 6.433313393 -1.232346734 0.225259128 0.669638484 -6.233890257 stable

TSEN2 -0.108146781 7.279749639 -1.232263013 0.225290043 0.669638484 -6.233991219 stable

PHF10 -0.054748807 9.639613607 -1.232208687 0.225310104 0.669638484 -6.234056729 stable

CHIC1 0.039938648 4.307256511 1.232073055 0.225360197 0.669702741 -6.234220271 stable

CLCF1 0.129385136 6.550622592 1.231968376 0.225398863 0.66973303 -6.23434648 stable

ZBTB16 0.269600372 9.516499877 1.231833535 0.225448678 0.669796433 -6.234509039 stable

RAB40A 0.036826971 3.380693703 1.231744213 0.225481682 0.66980988 -6.234616714 stable

SLC41A1 0.108205347 7.050585324 1.231468745 0.225583485 0.670027675 -6.234948735 stable

AHI1 0.034908283 3.070967905 1.231355579 0.225625318 0.670067311 -6.235085115 stable

PCSK9 0.005268292 2.899477347 1.23087213 0.225804092 0.670443839 -6.235667599 stable

GATS 0.139935854 6.581932411 1.230858562 0.225809111 0.670443839 -6.235683944 stable

ANXA1 0.101301104 14.03301566 1.230742595 0.22585201 0.670483288 -6.235823634 stable

TRDMT1 -0.083961427 7.925185594 -1.230546436 0.225924589 0.670483288 -6.236059893 stable

GGCX 0.22892238 5.988367944 1.230360222 0.225993504 0.670483288 -6.236284142 stable

FEM1A 0.107501789 9.658160602 1.230226781 0.226042898 0.670483288 -6.236444821 stable

GAS2L2 -0.003523876 2.367289681 -1.230208363 0.226049716 0.670483288 -6.236466996 stable

LINC00993 -0.00404776 2.782721811 -1.230153581 0.226069997 0.670483288 -6.236532954 stable

MFF -0.052286095 10.15234947 -1.230051171 0.226107914 0.670483288 -6.23665625 stable

TCTN1 -0.04947251 5.761277882 -1.230048562 0.22610888 0.670483288 -6.236659391 stable

ACACB -0.068242267 4.51585449 -1.230027375 0.226116725 0.670483288 -6.236684897 stable

LOC102724985 /// PDXDC1 /// PDXDC2P -0.126487978 5.293160771 -1.229860057 0.226178685 0.670483288 -6.236886313 stable

C6orf123 0.005281337 2.526461369 1.229772095 0.226211264 0.670483288 -6.236992191 stable

PABPC1 -0.177169539 6.323769143 -1.229756019 0.226217218 0.670483288 -6.237011542 stable

TMEM154 -0.108748207 10.15198023 -1.229748493 0.226220006 0.670483288 -6.237020601 stable

KRTAP4-8 -0.006966538 2.574206344 -1.22974452 0.226221478 0.670483288 -6.237025382 stable

ACOT8 0.103452493 7.722105981 1.229640042 0.226260179 0.670502485 -6.237151128 stable

BEX2 -0.151129535 9.884179679 -1.229453713 0.226329213 0.670502485 -6.237375364 stable

PRDX5 0.066102459 12.41444076 1.229389485 0.226353012 0.670502485 -6.23745265 stable

HOXC4 0.11847725 6.479379369 1.229259749 0.226401092 0.670502485 -6.237608753 stable

LOC100507557 0.047458737 3.053954599 1.229234786 0.226410344 0.670502485 -6.237638787 stable

MGAT4A -0.203045642 8.561821338 -1.229208698 0.226420013 0.670502485 -6.237670175 stable

MAPRE3 0.074588766 2.487003082 1.229188497 0.2264275 0.670502485 -6.23769448 stable

SHISA8 -0.17678 2.848676819 -1.228909523 0.226530921 0.670515153 -6.238030081 stable

C12orf50 0.003800594 2.102213937 1.228871163 0.226545144 0.670515153 -6.238076223 stable

MCM6 0.11297325 9.849366917 1.228833281 0.226559191 0.670515153 -6.238121787 stable

RP11-123K19.2 -0.032765091 3.022767767 -1.228790679 0.226574989 0.670515153 -6.238173027 stable

PLEKHH1 0.089370799 3.504107839 1.228751319 0.226589585 0.670515153 -6.238220367 stable

GLRX5 -0.061755239 10.84655668 -1.22871563 0.226602821 0.670515153 -6.238263291 stable

MT3 -0.027835607 3.729945926 -1.228495144 0.226684603 0.670516488 -6.238528443 stable

DESI2 -0.028513256 3.352708234 -1.22845248 0.22670043 0.670516488 -6.238579745 stable

LINC00664 0.004301238 2.39618487 1.228292811 0.226759671 0.670516488 -6.238771727 stable

LOC400692 0.009489728 3.285005044 1.22820837 0.226791005 0.670516488 -6.238873247 stable

MLLT6 -0.046266573 3.465942281 -1.228190618 0.226797593 0.670516488 -6.238894589 stable

HYOU1 0.094615376 10.8278246 1.228134271 0.226818504 0.670516488 -6.238962329 stable

CDR1 0.013930118 3.545241649 1.22809653 0.226832511 0.670516488 -6.239007698 stable

ZNF300P1 0.004356893 2.855657451 1.227838144 0.226928425 0.670516488 -6.23931828 stable

KMT2D 0.140055895 4.525512896 1.227763286 0.226956218 0.670516488 -6.239408249 stable

TRIM34 /// TRIM6-TRIM34 -0.090491364 10.20003255 -1.227654524 0.226996604 0.670516488 -6.239538956 stable

LAMA5 -0.153758327 5.936271858 -1.227528056 0.22704357 0.670516488 -6.239690928 stable

MTA2 0.071810742 4.31617739 1.227457512 0.227069772 0.670516488 -6.239775693 stable

LFNG 0.12392679 6.303400727 1.227449375 0.227072794 0.670516488 -6.23978547 stable

CNTNAP3 /// CNTNAP3B 0.005145015 2.510983172 1.227362754 0.22710497 0.670516488 -6.239889544 stable

ZNF140 0.075540001 8.491503111 1.22725894 0.227143537 0.670516488 -6.240014268 stable

KCNE3 0.270785437 9.128411255 1.227227716 0.227155137 0.670516488 -6.240051779 stable

IRF2BP2 -0.073983855 13.10498858 -1.227186084 0.227170606 0.670516488 -6.240101792 stable

CNTNAP3 /// CNTNAP3B /// CNTNAP3P2 0.013596952 2.97707395 1.22706105 0.227217066 0.670516488 -6.240251989 stable

KLHL23 /// PHOSPHO2-KLHL23 0.036730621 3.953439473 1.226880015 0.227284348 0.670516488 -6.240469431 stable

LOH12CR2 -0.012890079 2.679300946 -1.226875025 0.227286203 0.670516488 -6.240475424 stable

KNOP1 0.152992794 6.391992022 1.226834953 0.227301098 0.670516488 -6.24052355 stable

RP11-793H13.11 0.054459397 2.374059612 1.226826074 0.227304398 0.670516488 -6.240534214 stable

AX748157 -0.062268502 3.304765902 -1.22682202 0.227305906 0.670516488 -6.240539083 stable

HDGFL1 -0.064831745 6.932216383 -1.226806168 0.227311798 0.670516488 -6.24055812 stable

ACADL 0.00456714 2.654457133 1.226794997 0.227315951 0.670516488 -6.240571536 stable

FBN1 -0.003115837 2.184334225 -1.226619922 0.227381038 0.670555397 -6.240781778 stable

WDFY3 0.181380223 6.276490088 1.22660615 0.227386159 0.670555397 -6.240798315 stable

TIMM23B -0.102070413 8.710691601 -1.226395971 0.227464317 0.670563067 -6.241050673 stable

FAS 0.118875606 9.989494446 1.226369542 0.227474146 0.670563067 -6.241082402 stable

METTL7A -0.107531398 12.20859825 -1.226297247 0.227501036 0.670563067 -6.241169194 stable

ARNT2 -0.032105559 2.749753824 -1.226263944 0.227513423 0.670563067 -6.241209174 stable

CCDC18 0.072641792 5.787136573 1.226192754 0.227539905 0.670563067 -6.241294633 stable

AMOT 0.00460627 2.627320558 1.226139235 0.227559815 0.670563067 -6.241358876 stable

TIE1 0.01703691 3.270736878 1.2259743 0.227621181 0.670659878 -6.241556844 stable

PIGS 0.074973899 9.420065955 1.225872012 0.227659245 0.670688013 -6.241679605 stable

BCKDHA -0.107872614 9.422226785 -1.225565212 0.227773441 0.670940402 -6.242047757 stable

RPS2P45 /// RPS2P45 0.177272394 4.346866003 1.225251123 0.227890394 0.670977946 -6.242424567 stable

SORCS3 0.009421666 2.74487293 1.224972548 0.22799416 0.670977946 -6.242758695 stable

FNDC7 -0.017179752 2.448113744 -1.224914765 0.228015688 0.670977946 -6.242827994 stable

AIM2 -0.213220565 8.290136958 -1.224883043 0.228027507 0.670977946 -6.242866035 stable

RAB3A 0.073452182 6.47712211 1.224861168 0.228035658 0.670977946 -6.242892269 stable

DFNB59 -0.095946421 2.716000883 -1.224797038 0.228059554 0.670977946 -6.242969171 stable

STX8 0.011465434 2.702757874 1.22479408 0.228060656 0.670977946 -6.242972717 stable

LOC101927391 -0.024662626 2.845252943 -1.224774602 0.228067914 0.670977946 -6.242996074 stable

LACRT -0.007140265 2.204791225 -1.224769243 0.228069911 0.670977946 -6.2430025 stable

YWHAG 0.085925741 12.20610722 1.224677679 0.228104034 0.670977946 -6.243112292 stable

LOC101928047 -0.004555905 2.419476837 -1.224643131 0.22811691 0.670977946 -6.243153716 stable

HR -0.019038807 3.060786635 -1.224597109 0.228134063 0.670977946 -6.243208895 stable

LOC101928189 /// RSRP1 -0.093421924 11.46182905 -1.224535479 0.228157035 0.670977946 -6.243282785 stable

RP11-102C16.3 0.005242355 3.434433316 1.224383058 0.228213855 0.671061142 -6.243465512 stable

RP11-546O6.4 0.002529066 2.326378818 1.224191367 0.228285329 0.671175617 -6.243695288 stable

TMEM98 0.001857596 1.93525669 1.224075925 0.228328381 0.671175617 -6.243833649 stable

CXADR 0.004913997 2.767143819 1.224049087 0.228338391 0.671175617 -6.243865814 stable

BTF3P13 /// BTF3P13 -0.005095209 2.820879471 -1.223863735 0.228407529 0.671253338 -6.244087935 stable

XPNPEP3 0.047172632 5.204701062 1.223825189 0.228421909 0.671253338 -6.244134124 stable

EPHA5-AS1 0.021793066 3.541401009 1.223608949 0.228502592 0.671328249 -6.244393214 stable

PTPN9 0.074204588 9.296756785 1.223603879 0.228504484 0.671328249 -6.244399288 stable

GBA /// GBAP1 0.162438345 7.450345329 1.223417143 0.228574176 0.67144913 -6.244622992 stable

LOC729291 0.002813996 2.295637053 1.223109606 0.228688987 0.67145467 -6.244991345 stable

SF3A3 -0.118325569 9.698136444 -1.22306469 0.228705758 0.67145467 -6.245045136 stable

RND3 0.002372104 2.287836103 1.223046809 0.228712435 0.67145467 -6.245066549 stable

CCDC64 0.148889649 6.654526842 1.222988767 0.22873411 0.67145467 -6.245136057 stable

ERVH48-1 0.003733882 2.904648641 1.222977027 0.228738494 0.67145467 -6.245150115 stable

GMFG -0.059992067 12.98774721 -1.222944033 0.228750816 0.67145467 -6.245189624 stable

CCDC122 0.004657014 2.611814012 1.222876896 0.228775891 0.67145467 -6.245270016 stable

CTB-43E15.1 0.002986458 2.257463064 1.222737623 0.228827914 0.671486284 -6.245436773 stable

FMN2 0.007047898 3.367295732 1.222688974 0.228846087 0.671486284 -6.245495017 stable

LOC339568 0.008486863 2.66101414 1.222618792 0.228872307 0.671486284 -6.24557904 stable

LOC101930415 0.173871574 7.664163258 1.222336959 0.228977622 0.671647064 -6.245916404 stable

FLCN 0.063340013 7.553546676 1.222285538 0.228996841 0.671647064 -6.24597795 stable

MTHFD1L 0.009304505 2.58344082 1.222190059 0.229032529 0.671647064 -6.246092221 stable

FAM126A 0.149308769 6.256027426 1.222166518 0.229041329 0.671647064 -6.246120393 stable

ORC5 0.081206862 8.466444274 1.222060603 0.229080924 0.671649951 -6.246247143 stable

SMG9 0.095221019 6.657864664 1.222011122 0.229099424 0.671649951 -6.246306353 stable

XYLT2 0.016810811 2.980262094 1.221694874 0.229217688 0.671912917 -6.246684735 stable

CTD-2165H16.3 0.334548118 6.198281726 1.221575063 0.229262504 0.671942289 -6.246828062 stable

LOC101928539 0.006460914 2.677954572 1.221515348 0.229284844 0.671942289 -6.246899493 stable

GABRA3 0.002372589 2.32512574 1.221222662 0.229394361 0.672179489 -6.247249556 stable

APOB 0.007855827 2.424559265 1.220955967 0.229494186 0.67235285 -6.247568464 stable

SEZ6 -0.032277884 2.569968907 -1.220911871 0.229510694 0.67235285 -6.247621186 stable

LINC00851 -0.027801715 2.604826398 -1.220762732 0.229566534 0.672432684 -6.24779949 stable

LOC101927865 0.002793878 2.47779021 1.220663744 0.229603603 0.67245752 -6.247917825 stable

IPO8 0.076878386 8.035447968 1.220513634 0.229659824 0.672526114 -6.248097255 stable

MMP20 0.005565733 2.512531935 1.220448534 0.229684209 0.672526114 -6.248175064 stable

LOC102725343 -0.010688694 2.746953816 -1.220334717 0.229726847 0.672567234 -6.248311092 stable

ESRRA 0.105996443 8.377280113 1.220193193 0.229779872 0.672605871 -6.248480218 stable

LOC339803 0.075821441 4.107663877 1.22009237 0.229817654 0.672605871 -6.248600694 stable

CCDC160 0.012641758 3.331352025 1.220070549 0.229825832 0.672605871 -6.248626767 stable

LY86 -0.183907472 11.37669547 -1.219982154 0.229858961 0.672619136 -6.248732383 stable

PTH2R 0.002377124 2.159258482 1.219815765 0.22992133 0.672717951 -6.248931168 stable

PRKG1 0.006836592 2.646604803 1.219559282 0.230017495 0.67291561 -6.249237539 stable

DRP2 0.014915255 2.542836955 1.21915603 0.230168749 0.673215781 -6.249719107 stable

KCNC4 -0.030641082 3.047876468 -1.219015603 0.230221439 0.673215781 -6.249886772 stable

RP11-521I2.3 0.026501841 2.945315441 1.218940087 0.230249777 0.673215781 -6.249976927 stable

LOC100131541 -0.33338419 9.534922149 -1.218910941 0.230260715 0.673215781 -6.250011723 stable

LRRC19 0.009966517 3.047768791 1.218904293 0.23026321 0.673215781 -6.250019659 stable

PPFIA2 0.002772461 2.366463553 1.218820518 0.230294652 0.673224024 -6.250119667 stable

VN1R10P 0.00288535 2.484964794 1.218703463 0.230338589 0.673268789 -6.250259392 stable

USP26 0.002635395 2.388648056 1.218512093 0.230410434 0.673393766 -6.250487798 stable

ZNF710 0.159859423 8.630365347 1.218437067 0.230438605 0.673393766 -6.250577335 stable

FITM2 0.104840445 7.717604324 1.21810686 0.230562623 0.673565953 -6.250971346 stable

ARHGAP19 -0.009153173 3.404482783 -1.217969996 0.230614041 0.673565953 -6.251134628 stable

SPEM1 -0.071559585 2.536244469 -1.217968637 0.230614551 0.673565953 -6.251136249 stable

TMCO4 0.074680459 6.593012721 1.217916288 0.23063422 0.673565953 -6.251198697 stable

LYRM7 -0.107752134 10.52915859 -1.21789901 0.230640712 0.673565953 -6.251219308 stable

SLC12A2 -0.120130836 6.192072558 -1.217574055 0.230762836 0.673838942 -6.251606896 stable

BC036311 0.009598313 3.211327683 1.217370441 0.230839383 0.673889302 -6.251849706 stable

KCNK2 0.003172429 2.021994494 1.217353388 0.230845794 0.673889302 -6.25187004 stable

GPC4 -0.018012524 2.357468784 -1.217287479 0.230870577 0.673889302 -6.251948628 stable

LOC400622 0.022781508 2.860949544 1.217223368 0.230894685 0.673889302 -6.252025067 stable

IL15RA 0.19502933 7.093166409 1.217052784 0.23095884 0.673992912 -6.252228437 stable

ING4 -0.08422423 8.022220415 -1.216905257 0.231014334 0.674071224 -6.252404297 stable

VAV2 -0.1393344 6.194447204 -1.216729719 0.231080377 0.674180296 -6.252613523 stable

CCDC33 -0.037051109 4.341852536 -1.216415499 0.231198632 0.674211448 -6.252987975 stable

FAR1 0.141272894 9.121164422 1.216380902 0.231211656 0.674211448 -6.253029198 stable

BBOX1 0.00850542 2.674462745 1.216371678 0.231215128 0.674211448 -6.253040188 stable

LOC101928833 0.01416752 3.355499504 1.216308102 0.231239061 0.674211448 -6.253115938 stable

CD5L 0.002466588 2.219425303 1.216292818 0.231244815 0.674211448 -6.253134148 stable

NOL12 /// TRIOBP -0.078130901 10.0363084 -1.216220561 0.231272019 0.674211448 -6.253220235 stable

UXT -0.06452939 12.41104927 -1.216168278 0.231291704 0.674211448 -6.253282521 stable

POPDC2 -0.05261594 2.957390724 -1.216048954 0.231336636 0.674258863 -6.253424668 stable

LOC100506791 -0.013993818 2.493225526 -1.215914113 0.231387419 0.674297209 -6.253585284 stable

DDX60 0.102362738 10.70762776 1.215861786 0.231407128 0.674297209 -6.253647609 stable

FOXJ2 -0.025265957 3.325708986 -1.215774877 0.231439866 0.674309065 -6.253751117 stable

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SARDH 0.004722705 2.621110121 1.215493467 0.231545893 0.674450891 -6.254086231 stable

ERCC2 -0.037372724 6.433191707 -1.215336016 0.231605231 0.674540198 -6.254273697 stable

RBPJ 0.08525232 10.63986902 1.21512219 0.231685834 0.674691407 -6.25452825 stable

C9orf117 -0.043102211 4.515005484 -1.214662066 0.231859349 0.67496747 -6.255075873 stable

USP19 -0.064224248 7.03616634 -1.214650463 0.231863726 0.67496747 -6.255089679 stable

GNL1 -0.041069987 8.706830791 -1.214642521 0.231866722 0.67496747 -6.25509913 stable

TFB1M 0.078335371 7.785799569 1.21436287 0.231972229 0.675191041 -6.255431862 stable

LINC01410 -0.344893138 6.538427766 -1.214144449 0.23205466 0.675341959 -6.255691691 stable

PCP4L1 -0.022893634 3.499181023 -1.214073332 0.232081504 0.675341959 -6.255776282 stable

PPIG -0.072955704 10.36741178 -1.213962375 0.23212339 0.67538029 -6.255908251 stable

SLC16A7 0.132507065 9.459369 1.213843951 0.232168102 0.675397695 -6.256049088 stable

FZD4 -0.011029408 2.368884282 -1.213794427 0.232186802 0.675397695 -6.256107981 stable

RAB2A -0.071383162 10.82318274 -1.2135405 0.2322827 0.67553344 -6.256409914 stable

ABHD14B -0.061025336 11.120186 -1.213497785 0.232298835 0.67553344 -6.256460699 stable

UNKL 0.091481633 7.34650762 1.213442736 0.232319629 0.67553344 -6.256526144 stable

LOC389834 -0.106164808 3.537947717 -1.213189584 0.232415275 0.675696702 -6.256827074 stable

TWIST1 0.024212317 2.887180727 1.213142068 0.232433231 0.675696702 -6.256883551 stable

RPS12 0.016696896 15.64725933 1.212861418 0.232539306 0.675921528 -6.257217089 stable

RASGRP1 0.153720022 11.99802768 1.212597814 0.232638971 0.676126579 -6.257530305 stable

FAM41AY1 /// FAM41AY2 0.008554602 2.126724018 1.212522792 0.232667341 0.676126579 -6.257619434 stable

HADHAP1 /// HADHAP1 -0.035699337 4.993825481 -1.212194331 0.232791583 0.676404054 -6.258009601 stable

CAPS2 0.031598053 3.567098732 1.211714099 0.23297332 0.676703463 -6.258579875 stable

ATL3 0.167442763 7.790958068 1.211695493 0.232980364 0.676703463 -6.258601966 stable

AK097370 0.040374451 2.640647691 1.211693975 0.232980938 0.676703463 -6.258603767 stable

FUT10 0.043697083 2.730890202 1.211491367 0.233057646 0.676842682 -6.258844297 stable

LOC101927359 0.00992804 2.928282205 1.211179727 0.233175669 0.677020705 -6.259214193 stable

TENC1 -0.01013029 2.665228187 -1.211154098 0.233185377 0.677020705 -6.25924461 stable

UBE2W 0.005153603 2.732572967 1.210992177 0.233246719 0.677020705 -6.259436761 stable

MGC50722 -0.041606103 2.793980288 -1.21085421 0.233298995 0.677020705 -6.259600467 stable

EFCC1 0.005853657 2.329460537 1.210799746 0.233319634 0.677020705 -6.259665088 stable

HEXA 0.013394944 2.505878821 1.210740556 0.233342065 0.677020705 -6.259735312 stable

RP13-122B23.8 -0.006843395 2.658161473 -1.210658189 0.233373283 0.677020705 -6.259833028 stable

CCDC26 0.007669625 2.960098395 1.210647675 0.233377268 0.677020705 -6.259845501 stable

MRPL9 -0.060276087 10.84875839 -1.210645751 0.233377997 0.677020705 -6.259847784 stable

WDR77 -0.054201569 9.372511427 -1.210497229 0.233434297 0.677054368 -6.260023967 stable

DHDH -0.025572219 2.899274072 -1.210463267 0.233447172 0.677054368 -6.260064251 stable

MYH6 0.011955434 2.724150266 1.210055681 0.233601731 0.677239117 -6.260547631 stable

MYH9 -0.044242389 12.4283917 -1.210026489 0.233612803 0.677239117 -6.260582246 stable

OAT 0.063144867 11.73212391 1.210009568 0.233619222 0.677239117 -6.260602311 stable

MYRIP 0.018822914 3.474038141 1.209907389 0.233657983 0.677239117 -6.260723463 stable

LOC102724905 0.029089578 3.405946392 1.209885467 0.233666299 0.677239117 -6.260749454 stable

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CORO7 -0.064205981 9.445655544 -1.209763896 0.233712423 0.677239117 -6.260893584 stable

TP63 0.004577576 2.537138105 1.209658591 0.233752382 0.677271468 -6.261018419 stable

HLA-DOB -0.253610627 6.038594338 -1.209479199 0.233820464 0.677307725 -6.261231058 stable

GLULP4 /// GLULP4 -0.064718306 4.607710308 -1.209473869 0.233822487 0.677307725 -6.261237376 stable

CASP9 -0.081734969 8.755418266 -1.209333555 0.23387575 0.677378587 -6.261403673 stable

PCK2 -0.115882586 8.670762019 -1.209223123 0.233917675 0.677416602 -6.261534543 stable

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CNTN5 0.008785081 2.865236739 1.208991426 0.234005657 0.677504561 -6.261809082 stable

NCBP1 0.043984969 4.816493781 1.208798599 0.234078897 0.677633199 -6.262037528 stable

P2RY13 0.321587257 10.66732677 1.208527794 0.234181784 0.677818147 -6.2623583 stable

SAP30BP 0.042301918 10.12478118 1.208424618 0.234220993 0.677818147 -6.262480495 stable

LOC284865 -0.002625445 2.169328745 -1.208336048 0.234254654 0.677818147 -6.262585384 stable

SNRPE -0.039489769 12.93310438 -1.208286557 0.234273465 0.677818147 -6.262643991 stable

LSM3 -0.051351244 10.80375421 -1.208251285 0.234286873 0.677818147 -6.262685759 stable

ST7-AS2 0.009469421 3.219856591 1.207914284 0.234414998 0.677930955 -6.263084762 stable

COL10A1 -0.026693361 2.628696756 -1.207914139 0.234415053 0.677930955 -6.263084934 stable

OBP2B 0.005077689 2.644401916 1.207755817 0.234475264 0.677930955 -6.263272349 stable

GOSR2 0.063742212 8.596094177 1.207669061 0.234508263 0.677930955 -6.263375037 stable

CCDC113 0.014290434 3.45268592 1.207564263 0.234548128 0.677930955 -6.263499071 stable

TANC1 0.102824401 2.795776671 1.207526883 0.234562349 0.677930955 -6.26354331 stable

DNAJB14 0.09056172 10.23791675 1.207515564 0.234566655 0.677930955 -6.263556706 stable

TSR3 -0.057735753 8.637055637 -1.207378872 0.234618664 0.677930955 -6.263718468 stable

RP11-190A12.8 -0.158184421 3.913511078 -1.207334603 0.234635509 0.677930955 -6.263770852 stable

CDH11 -0.019127462 2.900639919 -1.207300302 0.234648563 0.677930955 -6.263811441 stable

ARHGAP4 -0.069784628 11.36718993 -1.207263794 0.234662456 0.677930955 -6.263854638 stable

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WBSCR28 0.005400914 2.987051732 1.206956604 0.234779383 0.678099465 -6.264218075 stable

LOC283914 -0.046075058 2.84418451 -1.206932922 0.234788399 0.678099465 -6.26424609 stable

TMEM27 0.00852002 3.411499771 1.206858975 0.234816553 0.678099465 -6.264333562 stable

ASH2L 0.059029021 9.746070257 1.206494939 0.234955189 0.678402771 -6.264764109 stable

MUCL1 0.003103072 2.393175208 1.206431727 0.234979269 0.678402771 -6.264838858 stable

DPY19L1P1 0.012993625 2.956009233 1.205867954 0.235194106 0.67893696 -6.265505366 stable

LALBA 0.003602654 2.361738163 1.205764531 0.235233533 0.67893696 -6.265627604 stable

DCLRE1C -0.063863266 9.957498863 -1.205680572 0.235265544 0.67893696 -6.26572683 stable

EGR1 -0.756232326 6.451003359 -1.205589071 0.235300434 0.67893696 -6.265834962 stable

LOC100130705 0.003428806 2.237640711 1.205543154 0.235317944 0.67893696 -6.265889221 stable

RP11-1024P17.1 -0.090762204 5.880891055 -1.205300029 0.235410672 0.67893696 -6.266176489 stable

VWA5B1 -0.007987891 2.355085834 -1.205141293 0.235471229 0.67893696 -6.266364018 stable

MAD2L2 0.089165305 9.153331175 1.205125913 0.235477097 0.67893696 -6.266382186 stable

FAM162B 0.003805164 2.57139772 1.20509277 0.235489743 0.67893696 -6.266421338 stable

ZFPM1 -0.037973889 4.090702614 -1.204995415 0.235526891 0.67893696 -6.266536335 stable

GBAS -0.060245921 10.95838473 -1.204889675 0.235567243 0.67893696 -6.266661228 stable

KRT9 0.003649225 2.578006728 1.204817381 0.235594835 0.67893696 -6.266746611 stable

CCDC36 -0.014073315 3.105305439 -1.204796395 0.235602845 0.67893696 -6.266771395 stable

FLT1 0.003308747 2.521178864 1.204726802 0.235629408 0.67893696 -6.266853582 stable

RPS10 0.015994056 15.71268326 1.204682613 0.235646277 0.67893696 -6.266905766 stable

LIPG 0.00303592 2.414009001 1.204667146 0.235652181 0.67893696 -6.26692403 stable

AP2A2 0.05263085 9.726604651 1.204631674 0.235665723 0.67893696 -6.266965918 stable

SLC39A10 0.107776292 9.743090873 1.204520544 0.23570815 0.67893696 -6.267097139 stable

XCR1 -0.011214896 2.090653315 -1.204408166 0.235751061 0.67893696 -6.267229823 stable

IK /// TMCO6 0.105704515 2.774889166 1.204370529 0.235765433 0.67893696 -6.267274259 stable

DUSP6 0.312426705 13.76909018 1.204354741 0.235771462 0.67893696 -6.267292898 stable

HEPH 0.052846249 2.87768494 1.204238602 0.235815818 0.67893696 -6.267430006 stable

TFAP2A 0.002127198 2.274553554 1.204206197 0.235828195 0.67893696 -6.267468259 stable

KIF5C -0.047682886 2.682807285 -1.203977964 0.235915381 0.679004235 -6.267737655 stable

PTH2 -0.018532424 2.59726947 -1.203846929 0.235965448 0.679004235 -6.267892301 stable

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TTTY1 /// TTTY1B 0.003587985 2.752178432 1.203713989 0.236016251 0.679004235 -6.268049181 stable

STC2 0.002466506 2.549205464 1.203691697 0.236024771 0.679004235 -6.268075486 stable

NUTM2B -0.064063293 2.443296779 -1.203333263 0.236161789 0.679315329 -6.268498377 stable

MYLK4 0.10161566 3.992871411 1.203109115 0.236247504 0.679478789 -6.268762774 stable

CCT4 0.056319736 12.50914919 1.202976312 0.236298299 0.679541789 -6.268919402 stable

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SGCG 0.005788138 2.644700677 1.202554858 0.236459551 0.679839275 -6.26941636 stable

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LOC100506851 0.003502348 2.650248051 1.202371831 0.236529605 0.67984752 -6.269632126 stable

PICK1 -0.12253664 4.761559345 -1.202320823 0.236549131 0.67984752 -6.269692253 stable

USPL1 -0.156809382 6.481303436 -1.20192407 0.236701048 0.680110696 -6.270159852 stable

ZNF354A -0.06670876 8.291685495 -1.20189634 0.236711669 0.680110696 -6.270192529 stable

ACTC1 -0.009028454 3.689379904 -1.201855147 0.236727447 0.680110696 -6.270241068 stable

RP4-675G8.2 0.013328443 3.256859619 1.201277825 0.236948651 0.680538663 -6.270921189 stable

DOC2B -0.010478174 2.922556627 -1.201250442 0.236959147 0.680538663 -6.27095344 stable

PSTPIP2 -0.164540492 9.08760803 -1.201239842 0.236963209 0.680538663 -6.270965924 stable

RETNLB 0.006268683 2.475391924 1.2011085 0.237013558 0.680600157 -6.271120607 stable

RPL10L 0.04575627 4.891945264 1.200686303 0.237175453 0.680964603 -6.271617724 stable

PGM2 0.096169762 8.321657045 1.200626543 0.237198376 0.680964603 -6.271688075 stable

LOC642620 0.006772183 2.744894403 1.200130146 0.237388842 0.681428234 -6.272272325 stable

RDX 0.141549851 6.531354485 1.200051648 0.237418971 0.681431559 -6.272364694 stable

COPG2 0.250946846 4.606906528 1.199943663 0.237460424 0.681467378 -6.272491754 stable

LIMK1 0.001634871 2.17278022 1.199716209 0.237547754 0.681538484 -6.272759349 stable

ESRP2 /// MIR6773 -0.042476997 3.378678589 -1.19961822 0.237585384 0.681538484 -6.272874617 stable

MRC1 0.182250117 4.472827074 1.199613946 0.237587025 0.681538484 -6.272879645 stable

HIST1H2BN -0.009168086 3.206579659 -1.199577287 0.237601104 0.681538484 -6.272922764 stable

TRIO -0.115952381 8.453807992 -1.199440422 0.237653673 0.681606151 -6.273083744 stable

LOC100128554 -0.005385729 2.882213529 -1.199201115 0.23774561 0.681665404 -6.273365173 stable

HTATSF1P2 0.130192713 4.670905602 1.199128762 0.237773411 0.681665404 -6.273450251 stable

GIGYF1 -0.101657641 7.764829333 -1.199108546 0.23778118 0.681665404 -6.273474022 stable

CACNB3 -0.077882048 2.070114898 -1.199019092 0.237815557 0.681665404 -6.273579201 stable

ARNTL2-AS1 0.008282694 3.085766708 1.199009512 0.237819239 0.681665404 -6.273590465 stable

HLA-DRB1 /// HLA-DRB1 -0.072034579 14.06863943 -1.198792533 0.237902639 0.681753712 -6.273845554 stable

STK19 -0.079414162 9.136030691 -1.198778542 0.237908017 0.681753712 -6.273862 stable

CSH1 0.002418488 2.354927191 1.198675996 0.237947441 0.681783622 -6.27398254 stable

LOC100507201 0.0073831 2.722488583 1.198324875 0.238082466 0.682087414 -6.274395204 stable

KDELR2 0.095421623 9.657220795 1.198167136 0.238143143 0.682151377 -6.274580553 stable

RP5-1039K5.16 0.00378468 2.380655387 1.19811232 0.238164231 0.682151377 -6.274644959 stable

CORIN 0.005098833 2.378692449 1.198018965 0.23820015 0.682151377 -6.274754639 stable

FDX1L -0.104232236 7.016823992 -1.197965301 0.238220799 0.682151377 -6.274817684 stable

PPARGC1B -0.047412231 3.300507174 -1.197815889 0.238278297 0.682168775 -6.274993202 stable

ASAP1-IT2 -0.219181484 6.295977675 -1.197798786 0.23828488 0.682168775 -6.275013291 stable

GFM1 -0.011124704 2.541241225 -1.19762392 0.238352188 0.682228613 -6.275218681 stable

LOC146795 0.003164632 2.525158234 1.197532401 0.23838742 0.682228613 -6.275326164 stable

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SLITRK5 0.005948157 2.976664874 1.197443101 0.238421802 0.682228613 -6.275431033 stable

DNAJC28 0.038796626 3.406048441 1.197201298 0.238514918 0.682400793 -6.275714958 stable

SLC25A24 -0.008959612 2.496120721 -1.197109258 0.238550369 0.682400793 -6.275823018 stable

FAM27E2 /// FAM27E3 -0.006628795 3.029733586 -1.196985011 0.23859823 0.682400793 -6.275968878 stable

HMHA1 -0.061896857 12.83306093 -1.196932543 0.238618444 0.682400793 -6.276030468 stable

LHFPL3-AS1 0.058189606 4.169473168 1.196910241 0.238627036 0.682400793 -6.276056647 stable

CENPM -0.096330531 5.140657364 -1.19671402 0.238702645 0.682534027 -6.276286959 stable

CD27 -0.13086289 11.5891707 -1.196527875 0.238774387 0.682549032 -6.276505411 stable

WFDC9 -0.012082383 2.570712299 -1.19651927 0.238777704 0.682549032 -6.276515509 stable

LOC100505784 0.004416683 2.778350273 1.196399259 0.238823966 0.682549032 -6.276656331 stable

PGC -0.00276856 2.308536384 -1.196399256 0.238823967 0.682549032 -6.276656336 stable

N6AMT1 0.17264676 5.824044033 1.19623659 0.238886683 0.682592663 -6.276847189 stable

MMP17 -0.070365083 2.635749937 -1.196131171 0.238927333 0.682592663 -6.276970863 stable

CDC42BPG -0.002791249 2.08980968 -1.196126933 0.238928967 0.682592663 -6.276975834 stable

RPS8 0.004324627 2.169109979 1.196058611 0.238955316 0.682592663 -6.277055982 stable

LGR5 0.015917663 2.280166236 1.195965027 0.23899141 0.682612867 -6.277165757 stable

LINC00261 0.002803025 2.538463089 1.195879549 0.239024382 0.682624148 -6.277266016 stable

XAB2 -0.049024142 8.110435127 -1.195714285 0.239088138 0.682682465 -6.27745984 stable

LOC101928460 0.005354256 2.809034829 1.195676153 0.23910285 0.682682465 -6.277504557 stable

SORBS3 -0.083739428 7.375396549 -1.195530941 0.239158884 0.682759572 -6.277674839 stable

C9orf172 -0.029126147 3.732090968 -1.195402478 0.239208463 0.682818234 -6.277825462 stable

FCRL4 0.005519835 2.491500778 1.195082333 0.239332051 0.683088118 -6.278200771 stable

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SVOP 0.002072914 2.30710644 1.194633356 0.239505452 0.683365266 -6.278726952 stable

REST 0.043161091 6.405921556 1.194449828 0.23957636 0.683365266 -6.278941987 stable

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KCNJ15 0.441717123 7.018984167 1.194406364 0.239593155 0.683365266 -6.278992908 stable

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ATP5C1 -0.048859428 12.35650864 -1.194304477 0.239632529 0.683365266 -6.279112269 stable

LOC101060691 /// NUTM2A-AS1 -0.154547499 8.840007612 -1.194096124 0.239713061 0.683385605 -6.279356325 stable

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LOC284926 0.155315461 4.699055457 1.193914658 0.239783216 0.683385605 -6.279568854 stable

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BBS5 0.008047241 3.03552096 1.193802992 0.239826394 0.683385605 -6.279699621 stable

OOEP 0.00369744 2.415697367 1.193637062 0.239890565 0.683385605 -6.279893911 stable

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C6orf15 -0.043745186 2.858131926 -1.193334926 0.240007443 0.683472887 -6.280247624 stable

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ENDOG 0.13527782 6.151517999 1.192057003 0.240502258 0.684281273 -6.28174278 stable

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LONRF2 0.003794292 2.571179898 1.173201445 0.247890125 0.690001177 -6.303630485 stable

SOX9-AS1 0.003618324 2.484789686 1.173160487 0.247906351 0.690001177 -6.303677676 stable

PKD1P1 0.109707107 4.448405912 1.173133431 0.247917069 0.690001177 -6.303708849 stable

HOXB1 -0.01048598 2.51091532 -1.173103756 0.247928826 0.690001177 -6.303743038 stable

GNPAT -0.047711855 10.56772012 -1.173094761 0.24793239 0.690001177 -6.303753402 stable

SLC22A6 -0.005337083 2.502664367 -1.172881413 0.248016927 0.690001177 -6.30399918 stable

PRRT3 0.033829604 2.330393217 1.172880883 0.248017137 0.690001177 -6.303999791 stable

LOC158960 -0.091625096 7.406175675 -1.172870563 0.248021227 0.690001177 -6.304011678 stable

BDKRB2 -0.010162269 2.65242919 -1.172843456 0.248031969 0.690001177 -6.304042902 stable

ZNF283 0.067417354 4.49921699 1.172659371 0.248104932 0.690122529 -6.30425493 stable

LOC729083 0.013016443 3.10218217 1.172548135 0.248149028 0.690163567 -6.304383035 stable

CYR61 0.008776655 2.807918795 1.17223939 0.24827145 0.690325848 -6.304738544 stable

LAMA4 0.003702266 2.499098005 1.172171473 0.248298386 0.690325848 -6.304816737 stable

SREBF1 -0.031035263 3.72116337 -1.172146871 0.248308144 0.690325848 -6.304845059 stable

C1orf192 0.003660629 2.63883057 1.17207369 0.248337171 0.690325848 -6.304929305 stable

PRR12 0.067626351 8.253344505 1.172030955 0.248354123 0.690325848 -6.3049785 stable

GPR17 0.002998059 2.257389038 1.171936928 0.248391424 0.690347948 -6.305086734 stable

MAGEA10-MAGEA5 /// MAGEA5 0.012298505 2.731174853 1.171744616 0.248467728 0.690464948 -6.305308076 stable

CD74 0.004160905 2.435579967 1.171581614 0.248532415 0.690464948 -6.305495658 stable

GAPT -0.179431363 10.62041579 -1.171524361 0.248555139 0.690464948 -6.305561539 stable

NGFR -0.014203247 2.852168794 -1.171386035 0.248610047 0.690464948 -6.305720698 stable

LOC100506548 /// RPL37 -0.108729049 8.775151009 -1.171356853 0.248621632 0.690464948 -6.305754273 stable

CHUK 0.070282966 9.083806711 1.1713055 0.24864202 0.690464948 -6.305813353 stable

FBLIM1 0.004337081 2.736306807 1.171066512 0.248736915 0.690464948 -6.306088276 stable

BET1 0.119334279 9.353257173 1.170955575 0.248780974 0.690464948 -6.306215876 stable

HOXB8 0.002028167 2.284221322 1.170860197 0.248818858 0.690464948 -6.30632557 stable

RP11-399E6.1 -0.00557801 2.812569119 -1.170838355 0.248827535 0.690464948 -6.30635069 stable

RPS9 -0.004876596 3.082860813 -1.170678269 0.248891132 0.690464948 -6.306534783 stable

BMP5 0.007708419 2.8896293 1.170629794 0.248910392 0.690464948 -6.306590524 stable

ESYT2 -0.132134824 6.81563293 -1.170594907 0.248924254 0.690464948 -6.306630638 stable

SPTLC1 -0.072884283 3.942085968 -1.170559717 0.248938236 0.690464948 -6.3066711 stable

PFAS -0.070299614 7.904092607 -1.170531115 0.248949602 0.690464948 -6.306703985 stable

KCNS2 0.012529173 2.891099609 1.170519691 0.248954142 0.690464948 -6.30671712 stable

SIGLEC9 0.312424366 8.06471624 1.170416582 0.248995117 0.690464948 -6.306835665 stable

LOC285000 0.005185598 2.731668717 1.170313715 0.249036002 0.690464948 -6.306953922 stable

ICA1 0.004717896 2.395920479 1.170233363 0.249067941 0.690464948 -6.307046288 stable

AP006222.2 -0.106004477 6.091426209 -1.170209986 0.249077234 0.690464948 -6.30707316 stable

FSIP1 0.018181076 2.617547559 1.17019134 0.249084646 0.690464948 -6.307094593 stable

FJX1 -0.003663737 2.5953177 -1.170160032 0.249097092 0.690464948 -6.307130579 stable

LOC152274 0.002121939 2.379447528 1.170098784 0.249121442 0.690464948 -6.307200977 stable

SLC35E2 /// SLC35E2B 0.143992953 5.057637015 1.169987138 0.249165832 0.690464948 -6.307329293 stable

CBR3 -0.146056326 6.795454971 -1.169924381 0.249190787 0.690464948 -6.307401416 stable

DPP9 -0.054453327 8.628407187 -1.169909366 0.249196758 0.690464948 -6.307418671 stable

P2RY8 -0.08483055 12.06047356 -1.169768312 0.249252854 0.690539032 -6.30758076 stable

CFI 0.005746794 2.677118464 1.169546528 0.249341074 0.690601271 -6.307835581 stable

TESPA1 -0.147919142 9.404703941 -1.169486481 0.249364964 0.690601271 -6.307904565 stable

C19orf82 0.072152999 4.622083209 1.169477114 0.249368691 0.690601271 -6.307915326 stable

LOC101928661 0.005648299 2.182830181 1.169416609 0.249392764 0.690601271 -6.307984832 stable

OCLM 0.052067047 3.796482252 1.169126153 0.249508352 0.690840017 -6.308318452 stable

RIBC2 -0.0263667 2.421668328 -1.168949356 0.249578728 0.690953539 -6.308521485 stable

RP11-999E24.3 0.002391625 2.465667891 1.168692878 0.249680848 0.691126824 -6.308815973 stable

NSUN3 0.078958703 3.890874273 1.168644567 0.249700087 0.691126824 -6.308871436 stable

RP11-5C23.2 -0.133814393 6.410151641 -1.168472586 0.249768584 0.691235072 -6.309068863 stable

PPP1R9B -0.112653386 10.93014718 -1.168221538 0.249868597 0.691258553 -6.309357007 stable

PRR11 -0.120106678 10.16673823 -1.168103676 0.249915561 0.691258553 -6.309492264 stable

SMC1A 0.042980332 4.173815703 1.167934555 0.249982961 0.691258553 -6.309686324 stable

TMEM212 -0.051441156 6.53344255 -1.167884121 0.250003063 0.691258553 -6.30974419 stable

LINC01341 -0.020444829 3.587419115 -1.167855474 0.250014482 0.691258553 -6.309777058 stable

TRA /// TRAV16 /// TRAV16 /// YME1L1 0.03259871 5.301617468 1.167680591 0.250084199 0.691258553 -6.309977689 stable

KHDRBS2 -0.02020835 2.717773046 -1.167671887 0.250087669 0.691258553 -6.309987674 stable

LOC100506929 0.002565758 2.442849433 1.167658474 0.250093017 0.691258553 -6.310003061 stable

RGMA 0.004638717 2.156013911 1.167514772 0.250150315 0.691258553 -6.310167897 stable

RFX2 -0.088232766 5.753885498 -1.167493596 0.25015876 0.691258553 -6.310192186 stable

MGEA5 -0.102938423 11.43644103 -1.167488761 0.250160688 0.691258553 -6.310197731 stable

FLJ38379 -0.104697705 3.531385575 -1.167378323 0.250204731 0.691258553 -6.310324396 stable

ARHGAP11A 0.018448665 2.841799156 1.167314128 0.250230334 0.691258553 -6.310398017 stable

CLDN9 -0.015869704 2.813741323 -1.167207868 0.25027272 0.691258553 -6.310519873 stable

LOC646268 0.013269431 2.398507717 1.167202748 0.250274762 0.691258553 -6.310525745 stable

LINC01268 0.010946738 2.601975966 1.167198768 0.25027635 0.691258553 -6.310530309 stable

CYP2C18 0.003003937 2.350106706 1.167197934 0.250276682 0.691258553 -6.310531264 stable

RAD17 -0.062364028 9.756917711 -1.166977998 0.250364428 0.691419716 -6.310783446 stable

DQ594366 0.003175104 2.528285415 1.166724188 0.250465716 0.691508711 -6.311074412 stable

RCOR2 -0.049941728 4.154355046 -1.166661081 0.250490905 0.691508711 -6.311146748 stable

MED13L -0.066816797 7.691043266 -1.166658335 0.250492001 0.691508711 -6.311149896 stable

DCUN1D5 0.072642998 9.136851628 1.166406962 0.250592354 0.691508711 -6.311437994 stable

DHRS7B 0.190392447 7.452509611 1.166406507 0.250592535 0.691508711 -6.311438516 stable

CHAF1B 0.0757841 5.531387382 1.166393483 0.250597736 0.691508711 -6.311453442 stable

SCFD1 -0.048107646 11.05762635 -1.166379737 0.250603224 0.691508711 -6.311469194 stable

CTSLP8 -0.076920314 3.926681929 -1.166227351 0.250664076 0.691508711 -6.311643813 stable

ZSWIM5 0.026573399 2.212299382 1.166142824 0.250697834 0.691508711 -6.311740662 stable

COMP 0.003181588 2.408342717 1.166106488 0.250712347 0.691508711 -6.311782293 stable

PLCG2 -0.115712272 7.680242458 -1.166087203 0.25072005 0.691508711 -6.311804388 stable

AREG -0.193090133 4.751508018 -1.165841885 0.250818049 0.691601559 -6.31208542 stable

GBP6 0.011276004 3.211327952 1.165827966 0.250823611 0.691601559 -6.312101364 stable

DSTNP2 0.06556767 7.715235265 1.165749918 0.250854795 0.691601559 -6.312190762 stable

RP11-75C9.1 0.009165313 2.98447112 1.165650649 0.250894464 0.691601559 -6.312304459 stable

RP11-31K23.2 0.009824267 3.103474114 1.165634965 0.250900731 0.691601559 -6.312322422 stable

RASGEF1C -0.035834504 2.615010931 -1.165423431 0.250985277 0.69175354 -6.312564666 stable

RNF168 0.066767158 3.976261028 1.165253694 0.251053133 0.69185949 -6.312759018 stable

RP11-534L20.5 -0.20288805 2.808555302 -1.164799756 0.251234669 0.692232636 -6.313278651 stable

HSPB1 -0.115821326 9.839635025 -1.164718833 0.251267041 0.692232636 -6.313371266 stable

CORO1C -0.116556508 11.15071626 -1.164694372 0.251276827 0.692232636 -6.31339926 stable

CTD-2325A15.5 -0.031371533 2.349934129 -1.164565743 0.251328291 0.692293328 -6.313546458 stable

NIPSNAP3B -0.148398121 3.153538684 -1.164357663 0.251411559 0.692441602 -6.313784545 stable

ACPP -0.250264505 7.277429375 -1.163961543 0.251570131 0.69279722 -6.314237678 stable

MRI1 -0.063637399 5.960153561 -1.163558262 0.251731645 0.693064311 -6.314698857 stable

IQCH 0.006458839 3.087990587 1.163374332 0.251805333 0.693064311 -6.314909143 stable

ZBBX 0.003575669 2.589688768 1.163373478 0.251805675 0.693064311 -6.314910119 stable

GNG4 0.00916219 2.332726896 1.163363821 0.251809545 0.693064311 -6.31492116 stable

AC079305.10 -0.022921987 3.006978058 -1.163351587 0.251814447 0.693064311 -6.314935145 stable

SELL -0.041715196 13.79225081 -1.16319246 0.251878213 0.69313206 -6.315117046 stable

SMC3 -0.077483256 6.128094377 -1.163143087 0.251898 0.69313206 -6.31517348 stable

POP4 0.071474464 10.27216004 1.162907227 0.251992541 0.693295456 -6.315443043 stable

PCAT19 0.003454129 2.507083026 1.162847885 0.252016332 0.693295456 -6.315510857 stable

LINC00645 0.003350675 2.45058441 1.162562901 0.252130606 0.693313808 -6.315836479 stable

CTB-176F20.3 0.00348244 2.682979643 1.16231074 0.252231751 0.693313808 -6.316124536 stable

WIF1 0.011969834 3.233776142 1.16229747 0.252237074 0.693313808 -6.316139693 stable

FAM110B -0.094400641 2.946310916 -1.162242777 0.252259016 0.693313808 -6.316202164 stable

NPFFR2 0.002387657 2.611894374 1.16223621 0.252261651 0.693313808 -6.316209664 stable

LOC100506114 0.016278848 2.735144198 1.162230753 0.252263841 0.693313808 -6.316215898 stable

SEMA5A -0.019254657 2.512309031 -1.162097912 0.252317141 0.693313808 -6.316367616 stable

GCDH -0.047473152 8.364271213 -1.161993066 0.252359214 0.693313808 -6.316487348 stable

GABRE /// MIR224 /// MIR452 0.001841272 2.297691988 1.161970181 0.252368399 0.693313808 -6.316513482 stable

LOC729966 /// PDE4C 0.014919518 2.270312353 1.161967149 0.252369616 0.693313808 -6.316516944 stable

BCAM 0.011138421 2.480540583 1.161944651 0.252378645 0.693313808 -6.316542635 stable

POM121L1P /// POM121L8P /// POM121L9P -0.019788851 3.17515907 -1.161770862 0.2524484 0.693313808 -6.316741072 stable

MAGEA11 0.005105899 2.846649494 1.161727784 0.252465692 0.693313808 -6.316790254 stable

LRRC18 -0.008611947 3.590148145 -1.161706592 0.2524742 0.693313808 -6.31681445 stable

LOC100506797 0.010751172 2.268369483 1.161669948 0.252488911 0.693313808 -6.316856285 stable

ATP6V1F /// LOC101927180 -0.059652174 11.85812234 -1.161655714 0.252494625 0.693313808 -6.316872535 stable

RGL1 0.160027734 5.369482326 1.161428369 0.25258591 0.693396482 -6.317132057 stable

NDUFB2-AS1 -0.086593676 6.136249635 -1.161410459 0.252593102 0.693396482 -6.3171525 stable

MBD6 -0.087459517 9.149264031 -1.161345422 0.252619221 0.693396482 -6.317226732 stable

LOC102724316 /// PTCHD3P1 -0.142004763 6.179133453 -1.161281297 0.252644975 0.693396482 -6.317299919 stable

LOC101928167 0.007513585 2.929313765 1.161173545 0.252688256 0.693396482 -6.317422891 stable

RAVER1 -0.035791874 9.585074297 -1.161123244 0.252708462 0.693396482 -6.317480292 stable

PRRX2-AS1 -0.006730906 2.430636398 -1.16106691 0.252731093 0.693396482 -6.317544577 stable

ZNF614 0.030126579 4.364418304 1.160885681 0.252803908 0.693441916 -6.317751361 stable

LMAN1L 0.004100333 2.812493309 1.160720829 0.252870156 0.693441916 -6.317939435 stable

LOC100289098 -0.049782722 6.518006331 -1.16062485 0.252908732 0.693441916 -6.318048921 stable

COG8 -0.066072066 8.501016984 -1.160584752 0.25292485 0.693441916 -6.318094661 stable

CDH19 0.011806178 3.258819617 1.160422451 0.252990095 0.693441916 -6.318279777 stable

DHH -0.020510862 2.453451559 -1.16034007 0.253023218 0.693441916 -6.318373731 stable

EP400NL 0.00186838 2.255471344 1.160303713 0.253037836 0.693441916 -6.318415193 stable

FKBP14 -0.093681598 5.605604154 -1.160265709 0.253053118 0.693441916 -6.318458532 stable

LINC01184 /// LOC101929964 -0.078749596 5.560133643 -1.160217041 0.253072689 0.693441916 -6.318514031 stable

KLK8 -0.007718337 3.249869255 -1.160159927 0.253095657 0.693441916 -6.318579157 stable

GATA3-AS1 -0.0023009 2.323444739 -1.160145624 0.253101409 0.693441916 -6.318595466 stable

STMN3 -0.123975754 6.919899816 -1.16014556 0.253101435 0.693441916 -6.318595539 stable

MIAT 0.177578423 9.074692053 1.160026925 0.25314915 0.693490945 -6.318730807 stable

SHISA9 -0.013466335 2.778417349 -1.159859373 0.253216549 0.693490945 -6.318921828 stable

ZDHHC20 0.052672883 11.9719157 1.159852948 0.253219134 0.693490945 -6.318929152 stable

HPSE2 0.057275545 2.849591882 1.15980788 0.253237266 0.693490945 -6.318980529 stable

CCDC181 0.029678123 3.687466024 1.159310271 0.253437524 0.693958555 -6.319547662 stable

PGPEP1 0.089772509 4.574207538 1.158948588 0.253583151 0.694077256 -6.319959736 stable

ZNF718 0.274706623 5.845580673 1.158931639 0.253589977 0.694077256 -6.319979043 stable

LOC101927157 /// NIPAL1 0.027526082 3.795894366 1.158924327 0.253592922 0.694077256 -6.319987372 stable

ADRBK1 -0.053663548 11.91925966 -1.158909461 0.253598909 0.694077256 -6.320004306 stable

CETP -0.088991329 2.147430005 -1.158731318 0.253670662 0.69419286 -6.320207218 stable

KRT35 0.004015875 2.443879005 1.158632562 0.253710445 0.694220961 -6.320319693 stable

WIPF2 -0.065569071 9.17637023 -1.158546878 0.253744966 0.694234658 -6.320417273 stable

IZUMO1 0.014445117 2.876816129 1.158359132 0.253820619 0.694272782 -6.32063106 stable

AKAP9 0.00405465 2.63163358 1.158335704 0.253830061 0.694272782 -6.320657735 stable

MFSD6L 0.006673506 2.680578549 1.15829255 0.253847452 0.694272782 -6.32070687 stable

MAP3K1 -0.082199069 10.19811093 -1.158187468 0.253889806 0.694301047 -6.320826506 stable

LOC554174 -0.006767673 2.255898907 -1.1580598 0.253941269 0.694301047 -6.320971843 stable

FLJ38668 -0.001897849 2.116175876 -1.158047217 0.253946342 0.694301047 -6.320986167 stable

HAB1 -0.069472224 9.693223552 -1.157961729 0.253980807 0.69431457 -6.321083477 stable

HACL1 -0.059976504 8.851971948 -1.157885851 0.254011401 0.694317509 -6.321169843 stable

KIF6 -0.010078441 2.965823681 -1.157505715 0.254164711 0.694590172 -6.321602441 stable

D2HGDH -0.090733007 7.475411893 -1.157492072 0.254170214 0.694590172 -6.321617965 stable

CACNG6 -0.077725163 4.381149795 -1.157207887 0.254284872 0.69459362 -6.32194128 stable

RP11-510C10.4 0.003943512 2.71154426 1.157141308 0.25431174 0.69459362 -6.322017015 stable

PLEKHB1 -0.14607649 8.866990067 -1.157045529 0.254350394 0.69459362 -6.32212596 stable

TCRA /// TCRVA13 /// TRAV22 /// TRAV22 0.211855359 4.843396667 1.157045139 0.254350552 0.69459362 -6.322126404 stable

LINC00330 -0.034529531 3.257685864 -1.1570109 0.254364371 0.69459362 -6.322165347 stable

C5orf20 /// TIFAB 0.195802766 5.086726546 1.156981662 0.254376172 0.69459362 -6.322198601 stable

SHD 0.059881987 2.264615003 1.156927052 0.254398215 0.69459362 -6.322260711 stable

CTA-268H5.14 -0.003573035 2.147237426 -1.1569035 0.254407722 0.69459362 -6.322287496 stable

QRSL1 -0.272455167 7.514502117 -1.156602326 0.254529318 0.69484495 -6.322629975 stable

SLC30A9 -0.043278624 10.22886179 -1.15635997 0.254627197 0.695031486 -6.322905509 stable

ITIH4 -0.138925814 7.567419897 -1.156095433 0.254734066 0.695242511 -6.323206199 stable

BRCA1 0.068127138 6.284271897 1.155649207 0.254914406 0.695653991 -6.323713262 stable

FOXK2 -0.064260948 8.735324209 -1.155499536 0.254974916 0.695738399 -6.323883298 stable

MROH1 0.039433701 3.492134965 1.155342703 0.255038333 0.695756804 -6.324061449 stable

NR2F1-AS1 0.004891986 2.633242205 1.155336548 0.255040821 0.695756804 -6.324068439 stable

ATP6V1G2-DDX39B /// DDX39B /// SNORD84 -0.054288016 13.58416723 -1.155181454 0.255103546 0.695761083 -6.324244591 stable

MEIS3P1 -0.131573244 8.110259908 -1.155124914 0.255126416 0.695761083 -6.324308803 stable

SNX29P2 0.078158489 3.98810828 1.15510023 0.2551364 0.695761083 -6.324336835 stable

SLC38A3 -0.004302119 2.226389834 -1.155006168 0.255174451 0.695761083 -6.32444365 stable

SUCLG2 -0.049941009 10.12269627 -1.154828561 0.255246309 0.695761083 -6.324645317 stable

C7orf34 0.029063717 4.009096432 1.154441784 0.255402845 0.695761083 -6.325084387 stable

IFNA8 0.009823962 2.687225371 1.154422008 0.255410851 0.695761083 -6.325106834 stable

ARL15 0.087922734 4.624123917 1.154413266 0.25541439 0.695761083 -6.325116755 stable

GORAB -0.083505817 8.455087517 -1.154347831 0.255440881 0.695761083 -6.325191023 stable

TPR -0.1045065 8.30995598 -1.154346323 0.255441491 0.695761083 -6.325192734 stable

ATOH8 -0.021997233 3.49649322 -1.154321298 0.255451623 0.695761083 -6.325221136 stable

SLC35A3 -0.068948942 9.76562544 -1.154320284 0.255452033 0.695761083 -6.325222286 stable

SMPDL3A 0.003715474 2.476104375 1.154251193 0.255480007 0.695761083 -6.325300696 stable

AX747192 /// RP11-783K16.14 0.024142972 2.589096714 1.154212353 0.255495733 0.695761083 -6.325344773 stable

CTA-445C9.15 0.155613388 8.269930474 1.154207142 0.255497843 0.695761083 -6.325350686 stable

GS1-164F24.1 -0.027877128 3.480016279 -1.154163101 0.255515677 0.695761083 -6.325400664 stable

DNAH10 0.005267289 2.647149584 1.153893616 0.255624819 0.695977701 -6.325706434 stable

XDH -0.035709888 2.925909083 -1.153470641 0.255796192 0.696310496 -6.326186227 stable

RBM20 0.022098959 2.751498659 1.15332364 0.25585577 0.696310496 -6.326352936 stable

CAMSAP3 0.004186459 2.08021208 1.153276917 0.255874709 0.696310496 -6.32640592 stable

PDYN 0.001877676 1.968776097 1.153260401 0.255881404 0.696310496 -6.326424648 stable

EGLN1 0.052264083 8.995623569 1.15322669 0.255895069 0.696310496 -6.326462874 stable

TAS2R39 -0.014082259 2.335090178 -1.152877613 0.256036604 0.696615033 -6.32685864 stable

HTRA4 0.014134238 3.07026793 1.152789261 0.256072435 0.69663194 -6.326958791 stable

NUDT4 /// NUDT4P1 /// NUDT4P2 -0.053412844 10.58922212 -1.152553394 0.25616811 0.696811626 -6.327226124 stable

ZNF530 0.039945593 3.346620115 1.152298511 0.256271528 0.696919281 -6.327514952 stable

AKR1E2 0.003518697 2.41969624 1.152232931 0.256298141 0.696919281 -6.327589255 stable

TEAD4 0.031787142 2.599962318 1.151912161 0.256428345 0.696919281 -6.327952641 stable

RNF11B 0.015067117 3.409741724 1.151749353 0.256494448 0.696919281 -6.328137042 stable

PRSS27 -0.002242624 2.394546508 -1.15157781 0.256564111 0.696919281 -6.32833131 stable

SPATA32 -0.064155905 7.010112457 -1.151571587 0.256566639 0.696919281 -6.328338358 stable

FAM129A 0.173901466 8.926704406 1.151486901 0.256601034 0.696919281 -6.328434252 stable

AX748267 0.067536343 3.435919802 1.151438555 0.256620672 0.696919281 -6.328488993 stable

TTLL1 0.084213127 7.42468664 1.151368535 0.256649116 0.696919281 -6.328568273 stable

DCAF5 -0.211535627 3.884588475 -1.151350066 0.256656619 0.696919281 -6.328589184 stable

LOC400965 -0.008061792 2.93382077 -1.151308611 0.25667346 0.696919281 -6.328636118 stable

MMADHC 0.042980308 12.75316955 1.15130031 0.256676832 0.696919281 -6.328645516 stable

GET4 /// RP11-449P15.2 0.050969409 3.261222618 1.151260707 0.256692922 0.696919281 -6.328690351 stable

ZNF738 -0.120651189 8.039844725 -1.151183168 0.256724426 0.696919281 -6.328778131 stable

GCNT1 -0.162156579 7.178026946 -1.151174329 0.256728018 0.696919281 -6.328788138 stable

PRRT2 -0.1079867 3.587262571 -1.151169664 0.256729913 0.696919281 -6.328793418 stable

DSCR8 0.017218149 2.433345362 1.15114515 0.256739874 0.696919281 -6.328821169 stable

SLC22A5 0.120365022 5.214097923 1.151142326 0.256741021 0.696919281 -6.328824365 stable

LOC101930026 -0.051265228 7.522016656 -1.150942287 0.256822315 0.696935876 -6.329050791 stable

NUAK1 0.066212319 2.483862699 1.150657251 0.256938181 0.696935876 -6.329373361 stable

KCNIP3 -0.010330505 2.236654354 -1.150606802 0.256958693 0.696935876 -6.329430446 stable

SOX3 -0.019227326 2.466996322 -1.150579868 0.256969644 0.696935876 -6.329460922 stable

UCHL1 -0.001973293 2.00701795 -1.1505723 0.256972721 0.696935876 -6.329469485 stable

BC070118 0.007824415 2.155708955 1.150539419 0.256986091 0.696935876 -6.329506689 stable

RP5-1119A7.11 0.00853707 2.74344991 1.150304579 0.257081594 0.696935876 -6.329772372 stable

FUT8-AS1 -0.16436055 4.177075692 -1.150245735 0.257105529 0.696935876 -6.329838937 stable

CNGA1 -0.008570031 2.57503573 -1.150102348 0.257163857 0.696935876 -6.330001123 stable

LOC100272216 -0.208346136 10.21790645 -1.150060291 0.257180967 0.696935876 -6.330048691 stable

PPP2CA 0.042994187 12.12856474 1.149848085 0.257267312 0.696935876 -6.330288676 stable

MIRLET7BHG 0.046598226 4.892330838 1.14974468 0.257309394 0.696935876 -6.330405602 stable

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SNORA71B -0.01073132 3.24015196 -1.149640106 0.257351957 0.696935876 -6.330523842 stable

FLJ37201 0.006889176 2.907970377 1.14963965 0.257352143 0.696935876 -6.330524357 stable

DAGLA 0.030572884 2.465140569 1.149544642 0.257390816 0.696935876 -6.330631771 stable

TP73-AS1 -0.077657956 4.902588458 -1.149448633 0.257429902 0.696935876 -6.330740308 stable

FAM47A 0.002800544 2.406467769 1.149437287 0.257434521 0.696935876 -6.330753134 stable

CXCR3 0.157965448 7.95634769 1.149435549 0.257435229 0.696935876 -6.330755099 stable

CSTL1 0.002577388 2.449288022 1.149422463 0.257440556 0.696935876 -6.330769891 stable

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AC108056.1 0.003404895 2.537695358 1.149344552 0.257472278 0.696935876 -6.330857961 stable

LINC01096 0.003868522 2.531457344 1.149307774 0.257487254 0.696935876 -6.330899532 stable

SERHL2 -0.033013816 2.514625631 -1.149214954 0.257525051 0.696935876 -6.331004444 stable

NCKAP5 0.013682859 3.134444399 1.149210235 0.257526973 0.696935876 -6.331009777 stable

XRCC4 0.183878232 7.381836261 1.149171936 0.25754257 0.696935876 -6.331053064 stable

PPIE 0.059665594 8.24812758 1.149160678 0.257547155 0.696935876 -6.331065787 stable

LOC283516 0.002518633 2.440331265 1.1490417 0.257595613 0.696986819 -6.331200247 stable

MTIF3 -0.03792698 9.48372255 -1.148914559 0.257647403 0.697013804 -6.331343918 stable

GPC1 -0.014844014 2.164571236 -1.148871723 0.257664854 0.697013804 -6.331392319 stable

COX11 0.087457548 8.00473384 1.148176638 0.257948139 0.697699883 -6.332177485 stable

MCFD2P1 /// MCFD2P1 0.005953731 2.918644961 1.148052778 0.257998642 0.697756246 -6.33231735 stable

FBLN5 -0.155073142 8.139488144 -1.14797202 0.258031575 0.697765082 -6.332408537 stable

RP11-470M17.2 0.001592708 1.864036033 1.147892442 0.258064029 0.697772622 -6.332498384 stable

PCBP1 0.032409305 13.32123529 1.147733297 0.258128942 0.697867914 -6.33267805 stable

NME9 0.0213803 2.150983696 1.147510436 0.258219864 0.697917912 -6.332929608 stable

FZD2 0.267779462 6.870754925 1.147492914 0.258227013 0.697917912 -6.332949384 stable

C15orf57 -0.107495212 5.253769219 -1.147469782 0.258236452 0.697917912 -6.332975492 stable

XG /// XGY2 -0.01111926 2.827071674 -1.147353052 0.258284086 0.697966451 -6.333107231 stable

TMEM99 0.16740478 6.098797705 1.147070794 0.258399294 0.698197564 -6.333425728 stable

PDIA6 0.063679833 11.74266188 1.146846698 0.258490788 0.69822613 -6.333678544 stable

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RPS17P5 /// RPS17P5 -0.10747901 9.374065917 -1.146430078 0.258660949 0.698262845 -6.334148434 stable

SSTR4 0.001816963 1.803542045 1.146073067 0.258806827 0.698576472 -6.334550968 stable

NPBWR1 -0.004518227 2.417247159 -1.14591351 0.258872043 0.69859589 -6.334730832 stable

LOC100505718 0.00705732 2.762922974 1.145842072 0.258901246 0.69859589 -6.334811354 stable

CLSTN1 0.043113843 10.84762125 1.145804158 0.258916745 0.69859589 -6.334854088 stable

CNGB3 0.021358171 3.026084498 1.145724261 0.25894941 0.69859589 -6.334944136 stable

CAST -0.15232755 4.288484041 -1.145692183 0.258962526 0.69859589 -6.334980289 stable

RANBP10 0.088473889 2.731570499 1.14547983 0.259049361 0.698625028 -6.335219589 stable

SF3B4 -0.050694857 10.86223879 -1.145418639 0.259074387 0.698625028 -6.335288538 stable

HCRTR1 0.004819804 2.899522994 1.145275029 0.259133128 0.698625028 -6.33545034 stable

SUMF2 0.085500059 9.378548654 1.145259681 0.259139407 0.698625028 -6.335467632 stable

ZNF282 0.068735028 7.610898133 1.145232376 0.259150576 0.698625028 -6.335498392 stable

TMC8 -0.116326311 12.33226659 -1.145149228 0.259184592 0.698625028 -6.335592061 stable

TNFRSF18 0.304914258 6.51304478 1.145137306 0.25918947 0.698625028 -6.335605492 stable

TGFB1 0.057580393 7.527347655 1.145079551 0.2592131 0.698625028 -6.33567055 stable

PHACTR3 0.006141926 2.690275438 1.144959363 0.259262279 0.698625028 -6.335805928 stable

OR51B6 0.0015192 1.847782601 1.144939644 0.259270349 0.698625028 -6.335828137 stable

NSMAF -0.056203101 8.544890797 -1.144853594 0.259305564 0.698639881 -6.335925052 stable

RP11-60A24.3 -0.010547766 2.621467683 -1.144589557 0.25941364 0.698808734 -6.336222385 stable

ANP32A-IT1 -0.131874364 6.783702723 -1.144555323 0.259427655 0.698808734 -6.336260932 stable

MAGEA12 0.002472011 2.356289004 1.144472066 0.259461742 0.698820523 -6.336354672 stable

HTR3B 0.005399831 2.300536571 1.144303976 0.25953057 0.69892587 -6.336543907 stable

SNRPC -0.039560086 10.00228641 -1.144046192 0.259636153 0.698970944 -6.336834069 stable

KLK4 -0.037293715 2.440727482 -1.144039277 0.259638985 0.698970944 -6.336841852 stable

AC010145.4 0.001980366 2.437839751 1.143912343 0.259690986 0.698970944 -6.336984705 stable

CAMLG -0.042259822 10.78133967 -1.143796671 0.25973838 0.698970944 -6.337114873 stable

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BMI1 /// COMMD3-BMI1 0.064742156 11.4910881 1.143658959 0.259794812 0.698970944 -6.337269825 stable

BPIFB4 0.002702935 2.318152353 1.143652348 0.259797522 0.698970944 -6.337277263 stable

TWF1 -0.071579628 9.178938731 -1.143617468 0.259811816 0.698970944 -6.337316506 stable

MROH9 0.00886032 3.352486901 1.143558845 0.259835843 0.698970944 -6.337382461 stable

RPL5 /// SNORD21 0.031708378 15.06184275 1.143465584 0.259874069 0.698970944 -6.337487378 stable

DPP7 -0.046202592 9.913022946 -1.143368176 0.259913999 0.698970944 -6.337596954 stable

CRIP1 0.130654822 12.60538273 1.143340815 0.259925216 0.698970944 -6.337627731 stable

PP13439 0.026243538 2.94276921 1.143320299 0.259933627 0.698970944 -6.337650808 stable

TMEM59L -0.025886368 2.76044596 -1.143137958 0.26000839 0.698983013 -6.337855892 stable

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SYTL1 0.087648529 11.80005171 1.143091922 0.260027268 0.698983013 -6.337907666 stable

BC028670 0.005456433 2.70399164 1.142987475 0.260070102 0.699012323 -6.338025123 stable

NPAS2 -0.037991025 4.457498158 -1.142920409 0.260097608 0.699012323 -6.338100537 stable

PITPNA-AS1 -0.073993175 7.936891431 -1.142773273 0.260157963 0.699094646 -6.338265973 stable

FUT5 -0.03987339 5.165383481 -1.142326216 0.260341404 0.699380008 -6.338768514 stable

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VWF -0.312879359 6.592563437 -1.142229343 0.260381167 0.699380008 -6.338877386 stable

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PLEKHG2 -0.031496685 5.539131534 -1.141657566 0.260615947 0.699380008 -6.339519807 stable

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C3AR1 0.240770275 10.43075865 1.141442601 0.260704253 0.699380008 -6.339761252 stable

REN 0.012624871 2.114653231 1.141410441 0.260717466 0.699380008 -6.33979737 stable

TPTE 0.002935379 2.484403 1.141387098 0.260727057 0.699380008 -6.339823586 stable

HSPB6 -0.042303334 2.889150038 -1.141370566 0.26073385 0.699380008 -6.339842152 stable

PBLD -0.0559488 3.132836531 -1.141340927 0.260746028 0.699380008 -6.339875437 stable

SIAE 0.023042382 3.575275623 1.141216435 0.260797185 0.699380008 -6.340015233 stable

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ZNF623 0.07120873 6.914389229 1.141123634 0.260835324 0.699396677 -6.340119435 stable

LOC283352 0.003695555 2.303966164 1.140928173 0.260915666 0.699532359 -6.34033888 stable

COL1A1 0.003444545 2.521603124 1.140784012 0.260974933 0.699585051 -6.340500708 stable

GPC2 -0.099998555 5.808588829 -1.140735681 0.260994806 0.699585051 -6.340554958 stable

VWC2 0.027451478 3.790646132 1.140514342 0.261085826 0.699701995 -6.340803375 stable

FAM172A 0.081292885 9.064610647 1.140302453 0.261172982 0.699701995 -6.341041145 stable

ZBTB22 -0.091463291 7.255374668 -1.140179128 0.261223719 0.699701995 -6.341179514 stable

HTATIP2 -0.092031558 9.557525553 -1.140127173 0.261245096 0.699701995 -6.341237802 stable

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SHBG -0.004217066 2.410767149 -1.139969502 0.261309977 0.699701995 -6.341414678 stable

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SOX4 0.001743191 1.770965941 1.139750318 0.261400189 0.699701995 -6.341660523 stable

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FABP7 0.010410173 3.320394627 1.139652413 0.261440493 0.699701995 -6.341770323 stable

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METTL21A -0.079971548 7.779950112 -1.139551448 0.26148206 0.699701995 -6.341883544 stable

APOA4 -0.033360009 5.532182155 -1.139537939 0.261487622 0.699701995 -6.341898692 stable

BSND 0.01285536 2.665733082 1.139377093 0.261553854 0.699701995 -6.342079044 stable

LINC00593 0.007709218 2.665093563 1.139275135 0.261595844 0.699701995 -6.342193354 stable

ANKRD36C -0.163114629 3.808849413 -1.139206853 0.261623967 0.699701995 -6.342269903 stable

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LOC101929340 -0.026683656 3.120614406 -1.139080061 0.261676195 0.699701995 -6.342412034 stable

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RARS 0.02843465 10.18820033 1.13896545 0.261723412 0.699701995 -6.342540496 stable

ANKLE2 -0.057383919 8.262754004 -1.138892283 0.261753558 0.699701995 -6.342622501 stable

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RPUSD3 -0.0773843 8.129954045 -1.138668738 0.261845678 0.699701995 -6.342873015 stable

LATS1 0.008840324 2.853192019 1.138610744 0.26186958 0.699701995 -6.342937998 stable

GBX1 -0.027959989 2.309990976 -1.138606384 0.261871377 0.699701995 -6.342942883 stable

PABPC1 /// RLIM -0.045155248 14.48732034 -1.138497369 0.261916312 0.699742569 -6.343065027 stable

DOK1 0.14027657 7.895554846 1.138183014 0.262045918 0.699861162 -6.34341718 stable

CA4 0.015401817 3.377464309 1.138082203 0.262087491 0.699861162 -6.343530092 stable

CHPF -0.0919914 5.039440315 -1.138057045 0.262097867 0.699861162 -6.343558269 stable

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ABHD3 0.05204752 10.26977922 1.137453306 0.262346948 0.700043827 -6.344234276 stable

LOC100131496 -0.006078728 3.171333517 -1.137106003 0.26249031 0.700043827 -6.344622999 stable

RP4-595K12.1 -0.043191965 12.71728721 -1.137078045 0.262501853 0.700043827 -6.344654287 stable

USP12 -0.094168478 8.383100285 -1.136991318 0.262537663 0.700043827 -6.344751337 stable

LINC00452 0.010026138 2.250883861 1.136978132 0.262543108 0.700043827 -6.344766093 stable

RPLP2P1 /// RPLP2P1 -0.037567972 4.169865979 -1.136910519 0.262571028 0.700043827 -6.344841748 stable

RP11-95O2.1 0.006664539 2.911144784 1.136783619 0.262623436 0.700043827 -6.344983731 stable

TBC1D14 -0.04575522 10.9752834 -1.13674175 0.262640729 0.700043827 -6.345030574 stable

LOC100130331 0.006523331 2.587287404 1.136681495 0.262665617 0.700043827 -6.345097984 stable

SNTN 0.005693711 2.936386457 1.136678608 0.262666809 0.700043827 -6.345101213 stable

GSTM5 -0.022219311 2.560955702 -1.136674329 0.262668577 0.700043827 -6.345106 stable

CXorf31 0.003122643 2.416981865 1.13661828 0.26269173 0.700043827 -6.345168701 stable

GEMIN2 0.088000034 6.591926957 1.136617493 0.262692055 0.700043827 -6.345169581 stable

LINC00298 0.002564783 2.25005566 1.136565311 0.262713612 0.700043827 -6.345227955 stable

TECPR2 0.170722924 5.513558323 1.13642091 0.262773271 0.700123484 -6.345389473 stable

SLC6A20 -0.004224937 2.769446997 -1.136111497 0.262901139 0.700281453 -6.345735498 stable

FGR 0.126473135 13.0102939 1.136064957 0.262920376 0.700281453 -6.345787538 stable

C12orf77 0.004669203 2.584025241 1.13595268 0.262966788 0.700281453 -6.345913074 stable

LOC101930657 -0.054063158 4.38118432 -1.135933479 0.262974726 0.700281453 -6.345934541 stable

TACR2 0.002439024 2.311825806 1.135842636 0.263012284 0.700281453 -6.346036102 stable

C8orf58 -0.094739458 6.625008421 -1.135799829 0.263029983 0.700281453 -6.346083957 stable

ATXN7L3 -0.039821305 9.943577325 -1.13572157 0.263062343 0.700281453 -6.34617144 stable

RP11-669I1.1 -0.018053871 3.225647844 -1.135701258 0.263070742 0.700281453 -6.346194145 stable

PIK3R5 0.087907873 9.466769881 1.135506741 0.263151188 0.700416328 -6.34641156 stable

DEGS1 -0.095323365 11.13672585 -1.135411122 0.263190739 0.70042374 -6.346518423 stable

RP11-452L6.1 -0.073608106 6.005806169 -1.135325351 0.263226221 0.70042374 -6.346614272 stable

ATMIN 0.045984328 9.254316067 1.135284047 0.263243309 0.70042374 -6.346660428 stable

LOC101929109 0.004100917 2.573986251 1.1352053 0.263275889 0.700431193 -6.346748418 stable

PLD4 -0.082659713 3.03434737 -1.135068706 0.263332409 0.700433141 -6.346901034 stable

LOC102724229 /// RASA4 /// RASA4B -0.214604231 10.20369568 -1.134912158 0.263397197 0.700433141 -6.347075922 stable

ERBB2 0.055361572 2.513665113 1.134773994 0.263454386 0.700433141 -6.347230254 stable

CXorf65 -0.168196685 8.867623246 -1.134658829 0.263502062 0.700433141 -6.347358883 stable

PARP9 0.146690698 10.70195689 1.134636124 0.263511462 0.700433141 -6.34738424 stable

LOC100132207 -0.006134421 2.59433464 -1.134610179 0.263522204 0.700433141 -6.347413216 stable

RBP5 -0.006398745 2.372078476 -1.134579197 0.263535032 0.700433141 -6.347447817 stable

C17orf77 0.03655509 3.933789227 1.134457664 0.263585356 0.700433141 -6.347583536 stable

ERV3-1 -0.352819093 4.767149962 -1.134449753 0.263588631 0.700433141 -6.347592369 stable

NOL4 0.002275879 2.303730953 1.134430596 0.263596565 0.700433141 -6.347613761 stable

FAM21A /// FAM21C /// LOC101930591 -0.065973827 12.0793605 -1.134353781 0.263628376 0.700433141 -6.347699533 stable

LINC00574 -0.011786624 2.016754506 -1.134274504 0.26366121 0.700433141 -6.347788048 stable

TOM1L1 -0.077892833 2.747783596 -1.134252429 0.263670353 0.700433141 -6.347812694 stable

SP3P 0.002404344 2.346484069 1.134119213 0.263725535 0.700433141 -6.347961419 stable

LOC102724312 -0.073072407 4.54034131 -1.134072185 0.263745018 0.700433141 -6.348013918 stable

NCRNA00185 /// TTTY14 0.002131104 2.398812928 1.134048148 0.263754976 0.700433141 -6.348040751 stable

C9orf152 0.004822045 2.815791327 1.133974755 0.263785383 0.700433141 -6.348122676 stable

LCT 0.002224985 2.472160775 1.133886725 0.263821858 0.700433141 -6.348220934 stable

NAT6 -0.071019249 7.582878412 -1.133837097 0.263842423 0.700433141 -6.348276324 stable

GTF3C2-AS1 0.033823478 3.001067569 1.133695132 0.263901257 0.70047924 -6.348434761 stable

TBX15 -0.010557397 3.18056083 -1.133651478 0.26391935 0.70047924 -6.348483476 stable

SSUH2 0.002159954 2.214555317 1.133418291 0.264016013 0.700586879 -6.34874367 stable

RP11-138A9.1 -0.210402583 9.563571855 -1.133357445 0.26404124 0.700586879 -6.348811555 stable

NUDT9 -0.050709195 8.918854918 -1.133321686 0.264056066 0.700586879 -6.348851449 stable

TMEM11 0.129399775 8.837776405 1.133266263 0.264079047 0.700586879 -6.348913279 stable

ZPLD1 0.003559894 2.6557144 1.133040488 0.264172678 0.700699737 -6.349165122 stable

DOCK5 0.016264681 2.687127452 1.132842377 0.264254857 0.700699737 -6.34938607 stable

LYZL1 /// LYZL2 0.016180845 2.870100519 1.13279912 0.264272803 0.700699737 -6.349434309 stable

FLJ36840 0.003689978 2.352080946 1.13277703 0.264281967 0.700699737 -6.349458941 stable

AX747750 /// RP11-532F6.3 0.026369772 3.263648863 1.132738359 0.264298012 0.700699737 -6.349502064 stable

C7orf62 -0.005287542 2.477892516 -1.132694463 0.264316224 0.700699737 -6.34955101 stable

RP11-67L3.4 0.003979543 2.481874577 1.132637898 0.264339695 0.700699737 -6.349614082 stable

PARVG -0.067443125 11.73770699 -1.132489682 0.264401203 0.700699737 -6.349779331 stable

LINC01233 0.005934937 2.899269325 1.132427285 0.2644271 0.700699737 -6.349848892 stable

PGM5-AS1 -0.050499326 2.370875123 -1.132423686 0.264428594 0.700699737 -6.349852905 stable

MANSC1 0.07656127 4.451180377 1.132373841 0.264449282 0.700699737 -6.34990847 stable

ATG3 0.149580221 5.913028194 1.132119006 0.264555073 0.700881666 -6.350192517 stable

RP11-1078H9.6 -0.013610483 2.107507551 -1.132064895 0.26457754 0.700881666 -6.350252823 stable

C1orf68 0.002527099 2.447744163 1.131938892 0.264629862 0.700941328 -6.350393242 stable

GPRASP1 -0.168203886 9.444752375 -1.131712802 0.264723764 0.700983941 -6.350645161 stable

WWC1 0.001809593 2.374935282 1.131691507 0.26473261 0.700983941 -6.350668887 stable

PSMD7 0.042222059 10.80962838 1.131684892 0.264735358 0.700983941 -6.350676257 stable

LOC101929025 0.00391883 2.228548266 1.131574414 0.264781252 0.701000906 -6.350799335 stable

KLK12 -0.012920796 2.763928059 -1.131487885 0.264817203 0.701000906 -6.350895727 stable

LOC729173 -0.016621026 2.161198816 -1.131454258 0.264831174 0.701000906 -6.350933184 stable

B3GALT5 0.002021765 2.240464742 1.13130792 0.264891983 0.701082967 -6.35109618 stable

C22orf24 0.005945678 2.301933954 1.131134359 0.264964117 0.701194982 -6.351289473 stable

KIAA0196 0.057110043 10.2915393 1.13082047 0.265094609 0.701319679 -6.351638976 stable

LRRC32 0.005599104 2.13560398 1.130739388 0.265128324 0.701319679 -6.351729243 stable

AF131215.8 0.02409971 3.141349508 1.130695882 0.265146416 0.701319679 -6.351777675 stable

ZNF441 0.103798374 5.52067171 1.130651869 0.26516472 0.701319679 -6.35182667 stable

CT62 0.003797385 2.933122949 1.130467416 0.265241437 0.701319679 -6.35203198 stable

ECHDC1 -0.065895705 10.18749324 -1.130459532 0.265244716 0.701319679 -6.352040754 stable

ARHGEF26-AS1 0.00904747 2.74584039 1.13044268 0.265251727 0.701319679 -6.352059511 stable

PCED1A -0.076250639 9.563969248 -1.130364834 0.26528411 0.701319679 -6.352146148 stable

PHYHIP -0.005102084 2.016500123 -1.130305567 0.265308766 0.701319679 -6.352212104 stable

DCLK1 0.003663625 2.627225835 1.130226634 0.265341607 0.701319679 -6.352299941 stable

CEACAM7 0.004751597 2.725291425 1.130111685 0.265389438 0.701319679 -6.352427847 stable

PDGFA -0.230514186 7.630066071 -1.130093483 0.265397012 0.701319679 -6.352448099 stable

MRGPRX4 0.014310221 3.936305673 1.130089055 0.265398855 0.701319679 -6.352453026 stable

LOC401312 0.00375723 2.268184137 1.129956791 0.265453899 0.701336241 -6.352600181 stable

PPEF2 -0.005483778 3.157810138 -1.129922886 0.265468011 0.701336241 -6.352637901 stable

HELB -0.127143261 5.458732325 -1.129840572 0.265502273 0.701336241 -6.352729471 stable

ZNF408 0.123959097 7.303405864 1.129787436 0.265524392 0.701336241 -6.35278858 stable

RFPL1S /// RFPL3S -0.056630349 4.767012114 -1.129574113 0.265613205 0.701492049 -6.353025851 stable

CTD-2256P15.2 -0.028715737 2.915720853 -1.129408547 0.26568215 0.701578632 -6.353209976 stable

C15orf54 -0.35012389 7.633912653 -1.129352135 0.265705644 0.701578632 -6.353272706 stable

9-Sep 0.240801193 8.1809876 1.129248317 0.265748885 0.701614045 -6.353388143 stable

KIFC1 -0.062742105 4.483936267 -1.129129486 0.265798385 0.701631276 -6.353520261 stable

ZNF821 -0.016142229 3.815108497 -1.129089432 0.265815072 0.701631276 -6.35356479 stable

TARSL2 -0.079257545 8.967493859 -1.128762445 0.265951322 0.701912145 -6.353928259 stable

FAM65A -0.126955602 8.879689331 -1.128545195 0.266041874 0.702072357 -6.354169694 stable

RP11-334C17.5 -0.198476287 8.050644697 -1.12829917 0.266144446 0.702244525 -6.354443054 stable

SHISA7 0.005959846 2.615535112 1.128245498 0.266166827 0.702244525 -6.354502683 stable

LOC101927143 -0.036141691 4.338365254 -1.128127647 0.266215974 0.702271809 -6.354633602 stable

AGR3 0.006238273 2.823158273 1.128077515 0.266236883 0.702271809 -6.35468929 stable

GALNT16 0.042998715 3.574968298 1.127698257 0.266395097 0.702513577 -6.3551105 stable

TNFSF8 -0.122585183 8.80838711 -1.127655259 0.266413039 0.702513577 -6.355158246 stable

LINC00654 /// LOC643406 0.005584283 2.609505286 1.127490473 0.266481807 0.702513577 -6.355341212 stable

PRADC1 0.096718627 6.914844489 1.127390478 0.266523542 0.702513577 -6.355452226 stable

RP11-521O16.2 0.001840322 2.135683029 1.127292107 0.266564605 0.702513577 -6.355561429 stable

THEM5 0.003674726 2.593576897 1.127291064 0.26656504 0.702513577 -6.355562587 stable

MIPOL1 0.013643305 3.372142051 1.127251799 0.266581432 0.702513577 -6.355606173 stable

CARNS1 -0.108873113 8.27787448 -1.127094927 0.266646926 0.702513577 -6.355780294 stable

GMPS -0.055821038 9.330633102 -1.127072791 0.266656169 0.702513577 -6.355804862 stable

GOLGA6L4 /// GOLGA6L5P /// GOLGA6L9 /// LOC102724093 -0.175370352 7.86438383 -1.127067131 0.266658532 0.702513577 -6.355811144 stable

MMAA 0.088419253 7.213643365 1.127037663 0.266670837 0.702513577 -6.355843849 stable

TMEM86A 0.112845931 5.000655504 1.126934023 0.266714116 0.702513577 -6.355958867 stable

TMEM119 -0.01190124 2.648645215 -1.126927556 0.266716817 0.702513577 -6.355966044 stable

RP11-506E9.3 0.001950957 2.310990082 1.126733578 0.266797834 0.702570464 -6.356181289 stable

CCSAP 0.116842323 5.683510251 1.126652535 0.266831688 0.702570464 -6.356271208 stable

C17orf78 0.002696195 2.475984325 1.12647358 0.266906453 0.702570464 -6.356469739 stable

TPRA1 0.113290829 8.382236031 1.126405591 0.266934862 0.702570464 -6.356545158 stable

CUBN -0.146185233 4.652789345 -1.126402008 0.266936359 0.702570464 -6.356549133 stable

LOC100131864 0.001772748 1.856475071 1.126380221 0.266945463 0.702570464 -6.3565733 stable

LY6D -0.054813238 3.388006719 -1.126375338 0.266947504 0.702570464 -6.356578717 stable

PSMD4 -0.047835349 11.51786658 -1.12589857 0.267146787 0.702806586 -6.357107453 stable

MAN2B2 0.049079002 10.41149476 1.12589699 0.267147447 0.702806586 -6.357109205 stable

AK7 0.003946289 2.498499511 1.125804544 0.267186101 0.702806586 -6.357211704 stable

DGKE 0.018231937 3.514023994 1.125780837 0.267196014 0.702806586 -6.357237987 stable

CPE 0.001893143 2.319512533 1.125700541 0.267229591 0.702806586 -6.357327006 stable

CARF -0.058545259 4.168644397 -1.125615735 0.267265058 0.702806586 -6.357421019 stable

PHPT1 0.110372607 9.782844323 1.125479298 0.267322125 0.702806586 -6.357572253 stable

ADAR 0.034891911 12.8924696 1.125396087 0.267356933 0.702806586 -6.357664481 stable

MAPK8IP1 -0.006175708 2.113748265 -1.125348762 0.267376731 0.702806586 -6.357716931 stable

PCDHB16 0.007396586 3.009708082 1.125315109 0.26739081 0.702806586 -6.357754227 stable

KB-1568E2.1 0.002751967 2.388796499 1.125312729 0.267391806 0.702806586 -6.357756864 stable

FLJ45482 0.093898024 4.127464488 1.12530323 0.26739578 0.702806586 -6.357767392 stable

LCE1E 0.00167119 1.540512126 1.125047441 0.267502812 0.70297977 -6.358050836 stable

IL3RA -0.254824017 7.417537824 -1.124981732 0.267530312 0.70297977 -6.358123639 stable

MTNR1A -0.002553146 2.317212481 -1.124902789 0.267563353 0.70297977 -6.3582111 stable

NKRF 0.034307966 9.081349698 1.124860103 0.26758122 0.70297977 -6.35825839 stable

GRK6 -0.046362483 9.719110289 -1.124727107 0.267636894 0.703019749 -6.358405717 stable

USP27X 0.02423936 2.932265906 1.124680956 0.267656216 0.703019749 -6.358456839 stable

SLC7A2 0.002177935 2.340865516 1.124527554 0.267720446 0.703067194 -6.358626745 stable

TEX29 0.003027888 2.546900116 1.124385043 0.267780125 0.703067194 -6.358784569 stable

BC033164 0.097119694 4.036892842 1.124362995 0.26778936 0.703067194 -6.358808985 stable

PAPOLB 0.006858591 2.645811136 1.124203182 0.267856298 0.703067194 -6.358985944 stable

LINC01116 -0.003048923 2.547408399 -1.124128589 0.267887545 0.703067194 -6.359068532 stable

ECSCR 0.008710605 2.699224186 1.124085091 0.267905768 0.703067194 -6.359116691 stable

TGOLN2 -0.137643489 9.181602707 -1.123718339 0.268059449 0.703067194 -6.359522663 stable

RP11-320H14.1 0.005896679 2.868647476 1.123677772 0.268076452 0.703067194 -6.359567561 stable

LOC101927783 0.004481012 2.993048323 1.123658609 0.268084484 0.703067194 -6.359588769 stable

AX746627 -0.026201157 3.704385602 -1.123631596 0.268095807 0.703067194 -6.359618665 stable

ZFP14 0.073882173 4.140384447 1.123621199 0.268100165 0.703067194 -6.359630171 stable

DSCAM -0.007634506 2.612587793 -1.123586042 0.268114901 0.703067194 -6.359669078 stable

FOLH1B -0.008352053 2.547064821 -1.123423928 0.268182863 0.703067194 -6.35984847 stable

DCAF12L1 0.003020465 2.429372738 1.123255986 0.26825328 0.703067194 -6.360034284 stable

TRERF1 0.080239394 6.754005249 1.123215847 0.268270112 0.703067194 -6.360078692 stable

POLI -0.122027235 8.48973219 -1.123111863 0.26831372 0.703067194 -6.360193724 stable

WDR11 -0.092411872 10.62336876 -1.12310775 0.268315445 0.703067194 -6.360198274 stable

GNRHR 0.0062826 2.952289148 1.123102859 0.268317497 0.703067194 -6.360203685 stable

KRTAP13-1 -0.006367216 2.221142642 -1.122963202 0.268376074 0.703067194 -6.360358165 stable

LINC00445 0.010455075 2.647076144 1.122893706 0.268405227 0.703067194 -6.360435031 stable

ATP5G3 0.04430284 13.05927336 1.122890473 0.268406584 0.703067194 -6.360438607 stable

CD48 0.035551389 13.90676241 1.122491454 0.268574011 0.703067194 -6.360879851 stable

CLASP2 0.07584318 8.016045076 1.122430645 0.268599533 0.703067194 -6.360947083 stable

MIR4697 /// MIR4697HG -0.068331888 3.518410238 -1.122418699 0.268604547 0.703067194 -6.36096029 stable

C11orf95 0.140258142 7.387230842 1.122303817 0.26865277 0.703067194 -6.361087295 stable

ZCCHC9 0.060633733 9.388433303 1.12229196 0.268657747 0.703067194 -6.361100402 stable

OLA1 -0.032489606 11.55953247 -1.122193143 0.268699231 0.703067194 -6.361209635 stable

FBXO32 0.202848541 7.585368567 1.122187602 0.268701557 0.703067194 -6.36121576 stable

LINC01165 -0.028756921 2.492268993 -1.122095477 0.268740236 0.703067194 -6.361317587 stable

PAAF1 -0.037439173 4.197111397 -1.121997858 0.268781227 0.703067194 -6.36142548 stable

ARG2 -0.067070377 4.375580413 -1.121995758 0.268782109 0.703067194 -6.361427801 stable

GRM7 /// LOC100996542 0.005407077 3.062469703 1.121919634 0.268814076 0.703067194 -6.361511928 stable

DOCK1 0.018238288 2.464195012 1.121766321 0.268878467 0.703067194 -6.361681346 stable

LOC730961 0.008405776 2.732318213 1.121749016 0.268885736 0.703067194 -6.361700467 stable

MIR17HG 0.010812556 3.203812875 1.121625359 0.26893768 0.703067194 -6.361837096 stable

ZNF627 0.014426755 2.708164355 1.1215928 0.268951358 0.703067194 -6.361873067 stable

OR7E47P 0.054948756 2.517468806 1.121457451 0.269008225 0.703067194 -6.362022594 stable

LOC286071 0.015589689 2.926578019 1.121437467 0.269016622 0.703067194 -6.362044671 stable

LTBR 0.003634672 2.264404797 1.121421802 0.269023204 0.703067194 -6.362061975 stable

IFNA21 0.00243429 2.644931444 1.121399132 0.26903273 0.703067194 -6.362087017 stable

WDR75 -0.060609076 9.691579473 -1.12138482 0.269038744 0.703067194 -6.362102826 stable

GAS5 /// SNORD44 /// SNORD47 /// SNORD74 /// SNORD76 /// SNORD77 /// SNORD79 /// SNORD80 /// SNORD81 -0.077890819 12.95268325 -1.121314306 0.269068376 0.703067194 -6.362180716 stable

TSTD1 -0.102866188 11.25935658 -1.121305645 0.269072015 0.703067194 -6.362190281 stable

H1FOO -0.012939081 3.19154481 -1.121248247 0.269096137 0.703067194 -6.362253679 stable

RPL41 0.017424532 16.03610085 1.12124366 0.269098065 0.703067194 -6.362258746 stable

HIBCH 0.0759015 7.762536446 1.121193971 0.269118949 0.703067194 -6.362313626 stable

LPPR1 0.011357057 3.364208109 1.121184465 0.269122945 0.703067194 -6.362324125 stable

CA9 -0.015871317 2.672093852 -1.120990726 0.269204382 0.703067194 -6.362538079 stable

BC036778 /// NCOA3 0.007004939 2.698868249 1.120932144 0.269229011 0.703067194 -6.362602767 stable

SLC25A48 -0.018955039 3.107929139 -1.120827194 0.269273137 0.703067194 -6.362718648 stable

PRRT3-AS1 -0.084802582 3.738185246 -1.120826545 0.26927341 0.703067194 -6.362719365 stable

LAMP3 -0.226386902 5.456301639 -1.12082236 0.269275169 0.703067194 -6.362723985 stable

CACNG5 -0.046209896 4.903649748 -1.12070604 0.269324082 0.703067194 -6.362852408 stable

CCDC3 -0.135769089 2.308105767 -1.120655283 0.269345427 0.703067194 -6.362908442 stable

CERS2 -0.059256567 11.31881461 -1.120644968 0.269349765 0.703067194 -6.36291983 stable

YY1 0.046061385 12.75926816 1.120571227 0.269380779 0.703067194 -6.363001232 stable

C21orf67 -0.020820685 2.474875245 -1.120508934 0.26940698 0.703067194 -6.363069994 stable

KLHDC8A -0.010058485 2.550870099 -1.120280002 0.269503285 0.703067194 -6.363322667 stable

CYP2C9 0.004231523 2.718031746 1.120237689 0.269521088 0.703067194 -6.363369363 stable

POMGNT1 0.060413453 7.893056865 1.120125802 0.269568167 0.703067194 -6.363492832 stable

RP11-408I18.9 0.003092692 2.507070509 1.120108504 0.269575446 0.703067194 -6.363511919 stable

PPP4R1L /// PPP4R1L -0.088557682 5.168707692 -1.120098866 0.269579502 0.703067194 -6.363522554 stable

STXBP6 -0.005884612 2.494693615 -1.120065613 0.269593496 0.703067194 -6.363559247 stable

LTA -0.107319804 6.031843228 -1.119991061 0.269624871 0.703067194 -6.363641505 stable

TLCD2 0.018550055 3.816892161 1.119936285 0.269647924 0.703067194 -6.36370194 stable

SLC31A2 0.252055101 10.80112561 1.119934403 0.269648716 0.703067194 -6.363704016 stable

PDE6A -0.048210356 2.515254093 -1.119867256 0.269676979 0.703067194 -6.363778096 stable

LOC100507351 0.006478986 2.187382323 1.119631402 0.269776268 0.7032481 -6.36403827 stable

ANO5 -0.02953146 3.351985239 -1.119515836 0.269824928 0.703297 -6.364165732 stable

SCARB1 -0.144622089 7.583950759 -1.11931094 0.269911217 0.703443958 -6.364391692 stable

BCL2L2-PABPN1 /// PABPN1 -0.052337946 9.781011393 -1.119167536 0.269971621 0.703463606 -6.364549815 stable

PGS1 0.046343275 9.406080218 1.119151036 0.269978571 0.703463606 -6.364568007 stable

LOC100131763 0.00486038 2.784987625 1.119038227 0.270026096 0.703509504 -6.364692381 stable

NDUFS3 /// PTPMT1 -0.077728572 8.452706487 -1.11891827 0.270076638 0.703563252 -6.364824621 stable

RP4-539M6.21 -0.049587072 3.895474656 -1.118636492 0.270195388 0.703654921 -6.3651352 stable

NT5C2 -0.053213251 11.09024623 -1.118502951 0.270251679 0.703654921 -6.365282365 stable

LOC101928259 0.003741643 2.568990379 1.118463291 0.270268399 0.703654921 -6.365326069 stable

CDK5R1 0.236534347 8.156870416 1.118454574 0.270272074 0.703654921 -6.365335673 stable

LOC101929486 0.001782279 2.217645336 1.118424912 0.270284579 0.703654921 -6.365368359 stable

PMCHL1 -0.020898872 3.142550002 -1.118408916 0.270291323 0.703654921 -6.365385984 stable

CERS3 0.003762355 2.748764515 1.118120836 0.270412798 0.703893252 -6.365703374 stable

PIAS3 0.125975414 6.532586636 1.117822721 0.270538546 0.70397674 -6.366031739 stable

RB1CC1 0.031903143 11.47241752 1.117803959 0.270546461 0.70397674 -6.366052401 stable

RP11-318A15.2 -0.011339533 2.283470372 -1.117770689 0.270560498 0.70397674 -6.366089043 stable

RP11-124L9.5 0.186900093 6.894576151 1.117760989 0.27056459 0.70397674 -6.366099725 stable

NDUFB8 -0.041531543 11.33806034 -1.117402866 0.270715715 0.704177778 -6.366494058 stable

C1QTNF1-AS1 0.008027645 3.112206811 1.117279596 0.270767748 0.704177778 -6.366629764 stable

AF086126 /// C16orf52 0.058474744 5.525481148 1.117220981 0.270792492 0.704177778 -6.366694288 stable

TNFRSF11A 0.052075179 2.684929027 1.117197843 0.27080226 0.704177778 -6.366719757 stable

PTPRE 0.163333549 6.613253115 1.117167271 0.270815167 0.704177778 -6.366753409 stable

DIAPH2 -0.091743985 9.096570178 -1.117152303 0.270821486 0.704177778 -6.366769885 stable

NDUFB11 -0.056522167 11.3196011 -1.117035299 0.270870888 0.704187781 -6.366898667 stable

SPATA3-AS1 -0.003373568 2.577673762 -1.116988312 0.270890728 0.704187781 -6.366950379 stable

MYCN -0.013679746 3.010667674 -1.11685868 0.270945472 0.704187781 -6.36709304 stable

METTL21C 0.005431106 2.458842916 1.116855905 0.270946644 0.704187781 -6.367096093 stable

LINC01020 0.022803915 3.691727531 1.116772041 0.270982064 0.704187781 -6.367188378 stable

HYALP1 0.004070917 2.842175708 1.116711841 0.271007492 0.704187781 -6.367254618 stable

LINC00624 0.01268713 3.386331991 1.116646946 0.271034904 0.704187781 -6.36732602 stable

UBXN8 0.068490892 7.220739774 1.1164819 0.271104631 0.704249364 -6.367507599 stable

LINC01029 0.002400851 2.405659084 1.116434701 0.271124573 0.704249364 -6.367559522 stable

RRS1 -0.049111722 9.873789498 -1.116359775 0.271156233 0.704249364 -6.367641942 stable

LOC101929007 0.021011479 2.66122114 1.116270907 0.271193788 0.704249364 -6.367739691 stable

TMEM232 0.002034846 2.293685866 1.116193757 0.271226393 0.704249364 -6.367824546 stable

DRD5 -0.004635137 2.062688236 -1.116165693 0.271238255 0.704249364 -6.367855412 stable

RP11-650K20.3 0.021747333 2.442863153 1.116021542 0.271299185 0.704307385 -6.368013939 stable

WBSCR16 -0.08877282 3.383281211 -1.115971148 0.271320489 0.704307385 -6.368069355 stable

GDA 0.003529305 2.70111229 1.115772075 0.271404656 0.704448125 -6.368288242 stable

CETN1 -0.004573885 2.527057251 -1.115578728 0.271486419 0.704538117 -6.368500799 stable

NR0B2 -0.002270929 2.298530498 -1.115548428 0.271499234 0.704538117 -6.368534106 stable

EPB41L4A 0.00603034 2.819378582 1.115238338 0.271630408 0.704664924 -6.368874922 stable

RP11-486A14.1 0.008580686 3.061827386 1.115216572 0.271639617 0.704664924 -6.368898841 stable

ACOT4 0.231473196 4.824052767 1.115121276 0.271679939 0.704664924 -6.369003561 stable

GOLGA6A 0.028309351 2.822426379 1.115078847 0.271697893 0.704664924 -6.369050183 stable

IL12B 0.014707898 3.082761607 1.114954677 0.271750441 0.704664924 -6.369186614 stable

NME6 -0.098811863 7.734542981 -1.114942154 0.271755741 0.704664924 -6.369200372 stable

ANKRD20A11P 0.21198739 7.060843736 1.114937257 0.271757813 0.704664924 -6.369205752 stable

SLC6A14 0.005700715 2.778324997 1.114800773 0.271815582 0.704704622 -6.369355695 stable

KLK10 0.002109834 2.387600806 1.114666872 0.271872266 0.704704622 -6.369502783 stable

IQSEC1 -0.057295621 10.44313435 -1.114620547 0.271891879 0.704704622 -6.369553666 stable

KBTBD11 -0.170801134 8.023753378 -1.114355745 0.272004007 0.704704622 -6.369844486 stable

BC150507 /// SCAMP5 -0.004400833 2.504758877 -1.114208121 0.272066532 0.704704622 -6.370006586 stable

SLC19A2 0.153477831 6.144583448 1.11420506 0.272067828 0.704704622 -6.370009947 stable

NEU4 -0.041722308 6.155414377 -1.114030144 0.272141925 0.704704622 -6.370201989 stable

TMEM206 0.058101845 3.067101289 1.114021105 0.272145755 0.704704622 -6.370211913 stable

ZNF274 -0.074968217 9.766400154 -1.113945262 0.272177888 0.704704622 -6.370295172 stable

ZFP64 0.063282897 8.929679058 1.113877837 0.272206457 0.704704622 -6.370369186 stable

RALGPS1 0.00593927 3.056060651 1.11384787 0.272219155 0.704704622 -6.37040208 stable

CTXN3 0.007837538 2.899438972 1.113748775 0.272261148 0.704704622 -6.370510849 stable

SRRM3 0.004308666 2.614453256 1.113719907 0.272273382 0.704704622 -6.370542533 stable

RPL13A /// RPL13AP5 /// SNORD32A /// SNORD33 /// SNORD34 /// SNORD35A -0.016406867 15.78686234 -1.113639064 0.272307645 0.704704622 -6.370631259 stable

LOC91450 0.030641172 3.925293774 1.113612035 0.272319102 0.704704622 -6.370660922 stable

RCAN2 0.014294163 2.733557312 1.113571325 0.272336357 0.704704622 -6.370705599 stable

TEX101 -0.049198482 3.520199819 -1.113534786 0.272351845 0.704704622 -6.370745696 stable

11-Sep 0.099020378 9.062152089 1.113524139 0.272356358 0.704704622 -6.370757379 stable

RHPN2 -0.014863501 3.229049105 -1.113489986 0.272370836 0.704704622 -6.370794857 stable

DNAAF3 -0.045108021 2.210050379 -1.113486446 0.272372336 0.704704622 -6.370798741 stable

LOC101929505 0.001879515 2.247041245 1.11340881 0.272405249 0.704712258 -6.370883931 stable

HNF4A 0.01238528 2.153955883 1.113302766 0.272450208 0.704751056 -6.371000283 stable

RP11-384L8.1 -0.021757379 3.843293956 -1.112869111 0.272634121 0.705132645 -6.371475985 stable

HRG -0.016385005 2.290781558 -1.11279547 0.272665362 0.705132645 -6.371556749 stable

RRP15 -0.091979239 6.718806573 -1.112683826 0.272712728 0.705132645 -6.371679182 stable

XRCC2 -0.11112836 5.388206691 -1.112620142 0.272739749 0.705132645 -6.371749016 stable

PELO 0.007880637 3.021277577 1.11260159 0.272747621 0.705132645 -6.371769358 stable

NPTX1 -0.039990799 5.31005251 -1.112446827 0.272813297 0.705193154 -6.371939046 stable

LINC00710 0.006954607 2.270933274 1.112292513 0.272878794 0.705193154 -6.372108221 stable

LOC101929040 0.006938186 2.784143345 1.112258857 0.27289308 0.705193154 -6.372145115 stable

RP11-339A11.2 0.007288815 2.906393813 1.112213742 0.272912231 0.705193154 -6.372194569 stable

C8orf37 -0.090169063 5.543289538 -1.112005281 0.273000735 0.705193154 -6.372423054 stable

PHLDB3 -0.110861449 7.655737227 -1.111928354 0.2730334 0.705193154 -6.37250736 stable

LOC101929172 -0.004895859 2.818693642 -1.111899744 0.27304555 0.705193154 -6.372538713 stable

DR1 0.10711497 8.513491376 1.111829244 0.273075489 0.705193154 -6.372615969 stable

VCY /// VCY1B 0.024712337 3.68986295 1.111776241 0.273097999 0.705193154 -6.372674048 stable

TMOD1 /// TSTD2 0.065461031 9.040753943 1.111732203 0.273116703 0.705193154 -6.372722301 stable

LOC100505534 0.003165363 2.516403063 1.11157212 0.273184702 0.705193154 -6.372897694 stable

SLC10A7 0.007038101 2.553819151 1.111518671 0.273207409 0.705193154 -6.372956249 stable

JTB -0.026540441 12.88418084 -1.111432475 0.27324403 0.705193154 -6.373050675 stable

LOC284080 0.005195227 2.860634654 1.111379086 0.273266714 0.705193154 -6.373109157 stable

PRR23D1 /// PRR23D2 0.001966095 2.274136249 1.111351504 0.273278434 0.705193154 -6.37313937 stable

RYR3 0.003762143 2.570453033 1.111326587 0.273289022 0.705193154 -6.373166663 stable

HDAC9 -0.007965312 3.269126407 -1.111308498 0.273296708 0.705193154 -6.373186476 stable

GLRX3 -0.022032584 2.624066115 -1.11127559 0.273310692 0.705193154 -6.37322252 stable

LPA /// PLG 0.003231663 2.485890769 1.111081475 0.27339319 0.705283372 -6.373435115 stable

TTLL5 0.00417318 2.683163507 1.111052212 0.273405628 0.705283372 -6.37346716 stable

SLC2A6 -0.115780253 9.612994999 -1.110843959 0.273494157 0.705310607 -6.373695193 stable

TAC1 0.00647451 2.862420135 1.110839793 0.273495928 0.705310607 -6.373699755 stable

FPGS 0.054517905 8.206490674 1.110806095 0.273510256 0.705310607 -6.37373665 stable

LOC100506272 0.010865399 2.983366061 1.110719953 0.273546882 0.705310607 -6.373830958 stable

TCN1 -0.497452756 6.812089804 -1.110361864 0.273699176 0.705310607 -6.374222925 stable

TNFAIP8 0.054571973 12.65652006 1.110352802 0.27370303 0.705310607 -6.374232843 stable

MOV10 0.074789095 9.065234209 1.110309401 0.273721493 0.705310607 -6.374280343 stable

1-Mar -0.306117165 6.484347286 -1.110300551 0.273725258 0.705310607 -6.374290027 stable

BC069739 0.01913052 3.723140845 1.110211433 0.273763171 0.705310607 -6.374387553 stable

RP11-143K11.1 0.003103451 2.610508664 1.110196603 0.273769481 0.705310607 -6.374403782 stable

IL17RC 0.014978052 2.563433758 1.110154697 0.27378731 0.705310607 -6.374449639 stable

CEP72 0.205675659 4.576224829 1.110131002 0.273797392 0.705310607 -6.374475566 stable

NONO -0.027189539 13.32410245 -1.110054819 0.273829808 0.705310607 -6.374558925 stable

RP11-195M16.3 0.015143803 2.079633555 1.110040278 0.273835996 0.705310607 -6.374574835 stable

NISCH -0.044098532 11.1121666 -1.109861448 0.273912101 0.705352938 -6.374770486 stable

HTR5A 0.009916542 2.717311971 1.109860727 0.273912408 0.705352938 -6.374771275 stable

ZNF575 0.056576065 6.348175004 1.109695603 0.273982693 0.70539642 -6.374951905 stable

RAN 0.043920356 9.958932284 1.109680146 0.273989273 0.70539642 -6.374968812 stable

CHKB-CPT1B /// CPT1B -0.168356704 8.80967653 -1.109512416 0.274060682 0.705449785 -6.375152264 stable

ARMCX1 0.166320139 5.586660306 1.109367254 0.274122494 0.705449785 -6.375311011 stable

LINC01333 0.00416433 2.830913314 1.109360773 0.274125254 0.705449785 -6.375318099 stable

KRT8P11 /// KRT8P11 0.045109056 4.539294714 1.109272812 0.274162714 0.705449785 -6.375414282 stable

NLRP2 0.431636646 7.016074975 1.109229957 0.274180966 0.705449785 -6.37546114 stable

LOC100129069 0.0191688 2.460234276 1.109208851 0.274189955 0.705449785 -6.375484217 stable

SSR4P1 -0.027415111 2.260866739 -1.109039721 0.274261998 0.705522683 -6.375669127 stable

PRKCD -0.134350645 11.21409057 -1.108977141 0.274288658 0.705522683 -6.375737538 stable

TMSB15B 0.005128603 2.378330475 1.108915533 0.274314905 0.705522683 -6.375804884 stable

CTSV 0.030373254 3.324765777 1.108840876 0.274346715 0.705522683 -6.375886489 stable

ZNF610 0.068637444 2.999620415 1.108739117 0.274390076 0.705522683 -6.375997712 stable

NMU 0.021628645 2.920577352 1.10871991 0.274398261 0.705522683 -6.376018704 stable

OSR2 0.005236621 2.918620998 1.108172541 0.274631593 0.705775727 -6.376616797 stable

NBAS -0.046046259 9.125230607 -1.108136999 0.274646748 0.705775727 -6.376655623 stable

TPPP3 0.307618396 7.281537 1.108131352 0.274649157 0.705775727 -6.376661792 stable

C2orf27A -0.030220087 3.688549018 -1.108125151 0.274651801 0.705775727 -6.376668566 stable

LOC100506713 0.072671074 6.539130359 1.108083463 0.274669578 0.705775727 -6.376714104 stable

TPH2 0.002392066 2.337909926 1.10805891 0.274680049 0.705775727 -6.376740924 stable

LOC100505817 -0.002410718 2.5026639 -1.107943701 0.274729184 0.705775727 -6.376866762 stable

GPR150 0.010358603 2.531536937 1.107926016 0.274736727 0.705775727 -6.376886077 stable

FGF13-AS1 -0.005220047 2.952379126 -1.107241139 0.275028953 0.706375406 -6.377633877 stable

RIOK1 0.051295164 9.105985231 1.107238155 0.275030227 0.706375406 -6.377637134 stable

LOC101928031 0.011527697 3.222304652 1.107091268 0.27509293 0.706438804 -6.377797459 stable

KCTD18 -0.008938472 2.996626618 -1.107021689 0.275122636 0.706438804 -6.377873397 stable

MTG1 -0.080562522 7.778943758 -1.106928 0.275162638 0.706438804 -6.37797564 stable

DDX24 0.055212274 11.41276019 1.106898935 0.275175049 0.706438804 -6.378007358 stable

FZD7 0.004690804 2.817600404 1.106808617 0.275213617 0.706460306 -6.378105913 stable

ZNF514 -0.149654475 8.138094554 -1.106725047 0.275249307 0.706460306 -6.378197098 stable

SLC39A2 -0.002287906 2.121643431 -1.106628381 0.275290594 0.706460306 -6.378302563 stable

LOC101928076 0.004043782 2.414594646 1.106575274 0.275313278 0.706460306 -6.378360501 stable

RAB40C 0.064763294 5.301391702 1.106404026 0.275386435 0.706460306 -6.378547309 stable

TRAFD1 0.094098023 8.531456984 1.106369624 0.275401133 0.706460306 -6.378584833 stable

IQSEC2 -0.090195176 3.562673963 -1.10630799 0.275427468 0.706460306 -6.378652059 stable

ZNF214 0.006051686 2.811705577 1.106288217 0.275435916 0.706460306 -6.378673625 stable

ME3 0.225806203 4.564419459 1.1062465 0.275453742 0.706460306 -6.378719124 stable

SMG7 -0.118389037 7.123351725 -1.105891395 0.275605512 0.706731498 -6.379106356 stable

LOC349160 /// MIR490 0.012303277 2.760153081 1.105858498 0.275619575 0.706731498 -6.379142223 stable

PSMC1 -0.048068989 10.96683894 -1.105622511 0.275720472 0.706913148 -6.37939949 stable

ANGPT1 0.006982723 2.903352234 1.105433466 0.275801317 0.706915574 -6.379605544 stable

FNDC5 0.004067229 2.156295459 1.105407999 0.275812209 0.706915574 -6.379633299 stable

LOC101929004 -0.002300749 2.388195649 -1.105390192 0.275819825 0.706915574 -6.379652706 stable

SVEP1 0.004853541 2.473708571 1.105339198 0.275841637 0.706915574 -6.37970828 stable

SIRT5 0.020823219 3.624370204 1.105261848 0.275874724 0.706923344 -6.379792573 stable

IGFBP5 0.003426697 2.315499418 1.104991625 0.275990336 0.706945872 -6.380087009 stable

SLC2A4 0.004002456 2.562881943 1.104932311 0.276015717 0.706945872 -6.380151628 stable

AX747064 0.059553744 3.405063555 1.104893469 0.276032339 0.706945872 -6.380193943 stable

LOC100505498 /// TEX41 0.003316054 2.707513172 1.104881984 0.276037254 0.706945872 -6.380206455 stable

TECTB -0.004864001 2.38454829 -1.104846272 0.276052538 0.706945872 -6.380245358 stable

C12orf43 -0.064955559 7.979323455 -1.104819838 0.276063851 0.706945872 -6.380274153 stable

TUBG2 -0.10794578 3.916591498 -1.104618092 0.276150204 0.7070594 -6.3804939 stable

ENTPD4 -0.113864672 7.5668928 -1.104567789 0.276171738 0.7070594 -6.380548685 stable

LOC100505920 0.005074171 2.709884063 1.104484629 0.276207341 0.7070594 -6.38063925 stable

COMMD1 -0.042593423 9.876141671 -1.104358078 0.276261526 0.7070594 -6.380777058 stable

CIT /// MIR1178 -0.066555173 3.133929506 -1.10431351 0.276280611 0.7070594 -6.380825586 stable

SEMA6A -0.027721746 2.476318367 -1.10408433 0.276378763 0.7070594 -6.381075105 stable

LOC100506827 0.003247475 2.508967555 1.104060111 0.276389137 0.7070594 -6.38110147 stable

DOPEY1 0.024388377 3.309964759 1.104017988 0.27640718 0.7070594 -6.381147324 stable

HTR2C 0.004065516 2.634550653 1.104012284 0.276409623 0.7070594 -6.381153534 stable

AK055458 0.005453297 2.803708411 1.103947138 0.276437531 0.7070594 -6.381224449 stable

TNFRSF19 0.00193141 2.142174901 1.103944053 0.276438852 0.7070594 -6.381227806 stable

ERVK3-2 0.007082893 3.08175453 1.103806863 0.276497628 0.707096392 -6.38137713 stable

LINC00933 0.00232939 2.409293988 1.10352207 0.276619669 0.707096392 -6.381687055 stable

GPRC5B -0.005731357 2.291119741 -1.103454974 0.276648428 0.707096392 -6.381760062 stable

MRPL28 -0.080167465 7.758463166 -1.103430889 0.276658751 0.707096392 -6.381786267 stable

USHBP1 -0.044308248 4.305659163 -1.103418482 0.276664069 0.707096392 -6.381799766 stable

PFDN4 0.023534926 2.23348284 1.103377612 0.276681588 0.707096392 -6.381844232 stable

WRB -0.182484896 9.955089472 -1.103342492 0.276696643 0.707096392 -6.381882442 stable

CHIA 0.046076748 2.469757996 1.103311153 0.276710077 0.707096392 -6.381916536 stable

GNRHR2 -0.027810032 2.514076859 -1.10320169 0.276757006 0.707096392 -6.382035618 stable

GRAMD1C 0.083081004 3.230234562 1.103070132 0.276813415 0.707096392 -6.382178722 stable

EGFLAM-AS2 0.007584765 2.842798835 1.10304952 0.276822254 0.707096392 -6.382201141 stable

PCOLCE 0.041007755 3.100978247 1.103046729 0.27682345 0.707096392 -6.382204177 stable

RP11-414H17.5 0.002391029 2.363235857 1.102998517 0.276844125 0.707096392 -6.382256615 stable

PROX1-AS1 0.00598567 2.812578444 1.102890099 0.276890622 0.707138363 -6.382374529 stable

PSMD9 -0.048060033 10.6644821 -1.102649168 0.276993968 0.707324755 -6.382636521 stable

DDX11 -0.275637316 8.686095095 -1.102579749 0.277023751 0.707324755 -6.382711999 stable

DUSP18 0.145184293 6.239273145 1.10244452 0.277081773 0.707396113 -6.382859018 stable

USP46-AS1 -0.017290909 3.095711474 -1.1023259 0.277132677 0.707419838 -6.382987966 stable

PLA1A 0.002090648 2.321863354 1.102282695 0.277151219 0.707419838 -6.383034929 stable

LOC101927133 0.003785995 2.780018573 1.10212165 0.277220341 0.707468642 -6.383209968 stable

SPG11 0.091991655 3.987864156 1.102063939 0.277245115 0.707468642 -6.383272688 stable

ITM2C -0.156743726 9.795956279 -1.10202793 0.277260573 0.707468642 -6.383311821 stable

LINC01209 0.002247091 2.428282392 1.101844685 0.277339248 0.707521714 -6.383510944 stable

ELAVL3 -0.001787769 2.166064776 -1.101839362 0.277341533 0.707521714 -6.383516728 stable

PRKX 0.055817168 9.910310385 1.101715922 0.27739454 0.707570345 -6.383650846 stable

LOC340085 -0.086566778 5.699041809 -1.101654865 0.277420761 0.707570345 -6.383717179 stable

LOC100288911 0.003539599 2.455243146 1.101479551 0.277496061 0.707626713 -6.383907624 stable

SDHA -0.040471941 10.24605235 -1.101451106 0.27750828 0.707626713 -6.383938521 stable

UBBP2 /// UBBP2 0.035227435 3.585566824 1.101381013 0.277538391 0.707626713 -6.384014654 stable

FAM69C -0.006048028 2.826034035 -1.101234389 0.277601386 0.707626713 -6.384173897 stable

MESDC1 -0.109688866 6.996753816 -1.101095155 0.277661215 0.707626713 -6.384325096 stable

FAM173A 0.089161299 8.629298306 1.101089959 0.277663448 0.707626713 -6.384330738 stable

MIR142 -0.138267803 9.225155674 -1.101087222 0.277664624 0.707626713 -6.384333711 stable

LARS2 0.062134316 6.810624889 1.101043204 0.277683541 0.707626713 -6.384381507 stable

LOC101928545 -0.061002892 3.454356255 -1.100863041 0.277760975 0.707685857 -6.384577117 stable

TAF12 0.061886645 9.410374343 1.100837985 0.277771745 0.707685857 -6.384604318 stable

HMGN3 -0.037658787 12.39193462 -1.100771002 0.277800539 0.707685857 -6.384677035 stable

RBBP9 -0.019716897 3.184164378 -1.10070922 0.277827099 0.707685857 -6.384744102 stable

ANO3 0.004175537 2.621164182 1.100624904 0.27786335 0.707701555 -6.384835625 stable

MYT1 0.008692171 2.444364801 1.100419352 0.277951739 0.707850026 -6.385058719 stable

ATP7A 0.136901729 8.206468812 1.100298403 0.278003756 0.707894284 -6.385189972 stable

ATG7 -0.146029437 2.832779504 -1.100238994 0.27802931 0.707894284 -6.385254436 stable

RP11-539G18.2 0.004971591 2.686017039 1.099780114 0.278226741 0.708295051 -6.38575226 stable

UGGT2 0.005639415 2.844989699 1.099675137 0.278271921 0.708295051 -6.385866118 stable

TRIM63 -0.010997852 3.553157518 -1.099592761 0.278307378 0.708295051 -6.385955456 stable

AQP4-AS1 0.003611182 2.569166207 1.099506984 0.278344302 0.708295051 -6.386048477 stable

PPP5C 0.095421243 7.709504434 1.099505192 0.278345073 0.708295051 -6.38605042 stable

TXLNG -0.059072647 8.603591563 -1.099421388 0.278381151 0.708295051 -6.386141294 stable

HRASLS2 -0.019417104 3.329807358 -1.099383398 0.278397507 0.708295051 -6.386182486 stable

HEMK1 -0.073838688 3.524961215 -1.099299053 0.278433822 0.708305977 -6.386273937 stable

CRISPLD1 0.002808889 2.524766456 1.099233549 0.278462028 0.708305977 -6.386344955 stable

PPAPDC3 -0.022933643 2.247874976 -1.099074983 0.278530314 0.708324772 -6.386516852 stable

LMCD1 0.002780672 2.087092014 1.098812402 0.278643421 0.708324772 -6.386801458 stable

C15orf62 -0.002670725 2.68213876 -1.098712923 0.278686279 0.708324772 -6.386909264 stable

LOC154872 0.003986496 2.869467632 1.098676792 0.278701847 0.708324772 -6.386948418 stable

ANKRD33B -0.164716562 3.761309965 -1.098632246 0.278721041 0.708324772 -6.386996688 stable

LOC553103 0.006246821 2.717360463 1.09858801 0.278740103 0.708324772 -6.38704462 stable

GALK1 0.151298149 5.607623798 1.098587465 0.278740338 0.708324772 -6.387045211 stable

SFI1 -0.119751351 8.98619704 -1.098586461 0.27874077 0.708324772 -6.3870463 stable

BC035247 /// RP11-18H7.1 0.026628295 3.828991335 1.098551853 0.278755684 0.708324772 -6.387083799 stable

G6PD 0.095846547 10.81246593 1.098271877 0.278876353 0.708324772 -6.38738712 stable

NPM1P22 /// NPM1P22 -0.038299783 7.745573624 -1.098184192 0.278914153 0.708324772 -6.387482102 stable

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ADAMTS9 -0.005100973 2.801401689 -1.098053464 0.278970514 0.708324772 -6.387623696 stable

IRAK1 -0.073219708 6.720847295 -1.097793765 0.279082504 0.708324772 -6.387904932 stable

TCEB1 0.062596939 6.617902609 1.097644089 0.279147063 0.708324772 -6.388066993 stable

GAD1 0.002995201 2.483939357 1.097544055 0.279190216 0.708324772 -6.388175292 stable

MCHR2-AS1 0.007220012 2.974409321 1.097534798 0.27919421 0.708324772 -6.388185314 stable

RARB 0.009720298 2.437612658 1.097467057 0.279223435 0.708324772 -6.388258647 stable

KIAA1919 0.057969665 5.689392152 1.097385929 0.279258439 0.708324772 -6.388346465 stable

EXOC6 -0.066677446 8.266331992 -1.09730193 0.279294684 0.708324772 -6.388437386 stable

CCSER1 0.007487753 2.54430054 1.097292378 0.279298806 0.708324772 -6.388447724 stable

PAGE5 0.008774215 2.207404105 1.097147099 0.279361503 0.708324772 -6.388604957 stable

NIPA2 0.06166067 10.91757135 1.09710657 0.279378995 0.708324772 -6.388648818 stable

GTF2A2 -0.057033859 10.59598712 -1.096977125 0.279434869 0.708324772 -6.388788892 stable

CTC-462L7.1 0.032526671 3.733685932 1.096955042 0.279444402 0.708324772 -6.388812787 stable

WSCD2 -0.003874183 2.51442371 -1.096939858 0.279450957 0.708324772 -6.388829216 stable

GS1-111G14.1 -0.07346877 10.49742459 -1.096844485 0.279492131 0.708324772 -6.388932408 stable

AL109706 0.009211465 3.414647167 1.096835996 0.279495796 0.708324772 -6.388941593 stable

AK097836 /// RP5-971N18.3 0.004600669 2.240987778 1.096820591 0.279502447 0.708324772 -6.388958259 stable

ZCCHC11 0.095250355 9.538727163 1.09678122 0.279519446 0.708324772 -6.389000855 stable

B4GALNT2 0.002445639 2.356372697 1.096734318 0.279539697 0.708324772 -6.389051595 stable

LINC00189 0.061630328 2.915858854 1.096726525 0.279543062 0.708324772 -6.389060026 stable

PLCXD2 0.001675403 2.116398124 1.09672248 0.279544808 0.708324772 -6.389064403 stable

NSRP1 -0.054244373 8.795329887 -1.096518704 0.279632808 0.708324772 -6.389284833 stable

STARD10 -0.12722875 6.728570647 -1.096476295 0.279651124 0.708324772 -6.389330703 stable

LPPR2 -0.099001349 8.788624114 -1.096375248 0.27969477 0.708324772 -6.389439989 stable

LOC727944 0.0015368 2.154547058 1.096298913 0.279727745 0.708324772 -6.389522543 stable

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BTN3A2 0.154190232 12.94725883 1.096254715 0.279746838 0.708324772 -6.389570339 stable

RBMS2 0.105551225 3.362138049 1.096217386 0.279762965 0.708324772 -6.389610705 stable

RGS17 0.069380356 2.550743026 1.09620312 0.279769129 0.708324772 -6.389626132 stable

CAMK2N1 0.196138965 5.646810578 1.096148889 0.279792559 0.708324772 -6.389684773 stable

TTC36 0.027909757 3.34649335 1.096144494 0.279794458 0.708324772 -6.389689526 stable

GPANK1 0.076632847 9.756966479 1.096063418 0.27982949 0.708337219 -6.389777188 stable

MRPL42 0.066566374 9.740818537 1.09598439 0.27986364 0.708347431 -6.389862632 stable

ZNF528 0.086075343 5.467015689 1.095807211 0.279940214 0.708348842 -6.390054171 stable

RPS4XP9 /// RPS4XP9 -0.067746052 5.464278077 -1.095754985 0.279962788 0.708348842 -6.390110626 stable

SRPK3 0.048052945 2.855311247 1.095666106 0.280001208 0.708348842 -6.390206693 stable

RAPGEFL1 -0.05920282 4.243525538 -1.095660082 0.280003812 0.708348842 -6.390213204 stable

LOC101927901 0.003889992 2.679469497 1.095634721 0.280014775 0.708348842 -6.390240615 stable

C1GALT1 0.083238541 8.406353923 1.095517301 0.28006554 0.708401072 -6.390367518 stable

TSPAN10 0.0053601 3.295049768 1.095094765 0.280248271 0.708787052 -6.390824072 stable

LOC100131532 -0.011057707 2.604091583 -1.094950453 0.2803107 0.70886872 -6.390979964 stable

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PEMT -0.091772797 7.810998362 -1.094647856 0.280441634 0.708945992 -6.391306781 stable

HSD17B12 0.002755017 2.458947376 1.09460151 0.280461691 0.708945992 -6.391356829 stable

KIAA0391 0.075799672 5.176121891 1.094488876 0.280510441 0.708945992 -6.391478451 stable

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RP11-310J24.3 0.002309947 2.371522942 1.094263076 0.280608191 0.708945992 -6.391722236 stable

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ILK -0.090208777 12.00909474 -1.093817575 0.280801118 0.708945992 -6.39220308 stable

C19orf18 -0.027010319 4.69843895 -1.093756991 0.280827362 0.708945992 -6.392268456 stable

HIVEP3 -0.130015731 6.040772704 -1.093719177 0.280843743 0.708945992 -6.39230926 stable

ADCY5 0.005441669 2.752368963 1.093700965 0.280851633 0.708945992 -6.392328912 stable

PRR7-AS1 0.010711864 2.623088124 1.093696304 0.280853652 0.708945992 -6.392333941 stable

FAM155A-IT1 0.006888216 2.916728534 1.093603769 0.280893742 0.708971103 -6.392433784 stable

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XAGE3 0.009448278 3.445640916 1.093253775 0.281045411 0.709201707 -6.392811346 stable

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GP6 -0.212387874 7.258653576 -1.092895082 0.281200909 0.709387986 -6.393198175 stable

NICN1 -0.044317951 8.865319048 -1.092829385 0.281229396 0.709387986 -6.393269013 stable

CAPZA1 0.04066483 13.31720491 1.092805234 0.281239869 0.709387986 -6.393295053 stable

CTD-2547L24.4 -0.012007265 3.946936583 -1.092607353 0.281325688 0.709528362 -6.393508388 stable

ARHGAP5-AS1 -0.023320284 2.535336734 -1.092458064 0.281390445 0.709615595 -6.393669312 stable

RP1-272E8.1 0.004409646 2.707505684 1.092235068 0.281487193 0.709783477 -6.393909649 stable

LOC388456 -0.002007059 1.937791989 -1.092004782 0.281587129 0.709959359 -6.394157795 stable

SHOX -0.003843739 2.513710171 -1.091814717 0.281669629 0.710025747 -6.394362564 stable

LOC100996425 -0.023456987 6.700107287 -1.091805031 0.281673834 0.710025747 -6.394372998 stable

RSPH4A 0.011805893 3.319686885 1.091680379 0.281727951 0.71005196 -6.394507275 stable

LOC101927424 /// LOC101929800 /// LOC440896 0.005572507 2.410040912 1.091642012 0.281744609 0.71005196 -6.394548601 stable

LOC102725116 0.003916224 2.585546703 1.091403919 0.281848 0.710236426 -6.394805027 stable

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SFT2D1 0.004901834 1.988846706 1.091199012 0.281937001 0.710308505 -6.39502567 stable

HECA 0.076064093 12.43077415 1.090975854 0.282033952 0.710385299 -6.395265922 stable

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EU250746 -0.016455636 2.777310195 -1.090712378 0.28214845 0.710385299 -6.395549521 stable

CEP170 /// CEP170P1 0.089432159 7.399432414 1.090679553 0.282162717 0.710385299 -6.395584847 stable

RNF10 -0.040334389 10.95392897 -1.09056835 0.282211054 0.710385299 -6.395704521 stable

BCL2L11 -0.037927784 4.813698427 -1.090438809 0.282267368 0.710385299 -6.395843914 stable

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LOC101929465 -0.008589251 3.049506098 -1.090291678 0.28233134 0.710385299 -6.396002217 stable

CSF2RB -0.140033406 11.90251134 -1.090211624 0.282366151 0.710385299 -6.39608834 stable

FNBP1L -0.113210971 4.821638639 -1.090207652 0.282367878 0.710385299 -6.396092613 stable

CYP2D6 -0.051168188 2.697841695 -1.090114087 0.282408568 0.710385299 -6.396193265 stable

CENPVP1 /// CENPVP2 0.001623156 2.163916469 1.089996161 0.282459859 0.710385299 -6.396320111 stable

BRWD3 0.055262921 6.580311991 1.089993732 0.282460916 0.710385299 -6.396322724 stable

EGR4 -0.054798218 4.049855684 -1.089955914 0.282477366 0.710385299 -6.3963634 stable

SCML2 -0.054320093 8.902005708 -1.089946426 0.282481493 0.710385299 -6.396373605 stable

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HIST1H4L 0.001840304 2.182691855 1.089908487 0.282497996 0.710385299 -6.396414408 stable

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C11orf96 -0.021640947 2.983328695 -1.089624528 0.282621539 0.710385299 -6.396719771 stable

ZFP37 0.090889494 3.906360679 1.089600649 0.28263193 0.710385299 -6.396745446 stable

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TBC1D24 0.148202079 4.302131489 1.089313783 0.28275678 0.710449807 -6.397053852 stable

LIPF 0.004360669 2.699095101 1.089234995 0.282791077 0.710449807 -6.397138542 stable

JAKMIP2-AS1 0.002336508 2.347361744 1.089206804 0.282803349 0.710449807 -6.397168844 stable

MBOAT2 -0.099078946 5.02846746 -1.089151848 0.282827275 0.710449807 -6.397227913 stable

LOC100996455 0.084440555 3.843974003 1.089125319 0.282838824 0.710449807 -6.397256425 stable

TLK1 -0.107750107 11.88337472 -1.088881867 0.282944832 0.710608145 -6.397518055 stable

GRIK1-AS2 0.003651271 2.782083554 1.088822236 0.282970802 0.710608145 -6.39758213 stable

SCML4 0.123831702 6.849977561 1.088772425 0.282992496 0.710608145 -6.39763565 stable

PGP 0.06709736 3.069948115 1.088684373 0.283030848 0.710628585 -6.397730254 stable

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LOC101929757 0.001939928 2.364386409 1.088192058 0.28324535 0.710828078 -6.39825907 stable

PADI2 0.005049348 2.762339414 1.088104145 0.283283666 0.710828078 -6.398353477 stable

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SOCS3 0.177167218 8.032356782 1.088055021 0.283305078 0.710828078 -6.398406228 stable

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GPR182 0.02544935 2.964889828 1.087812206 0.283410931 0.710858303 -6.398666932 stable

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GRB7 -0.020451653 3.087996686 -1.087666746 0.283474356 0.710858303 -6.398823082 stable

TRPM3 0.013236587 3.127248963 1.087582238 0.283511208 0.710858303 -6.398913791 stable

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SMDT1 -0.129951815 11.52547674 -1.087236366 0.283662073 0.710868396 -6.399284977 stable

ZNF461 -0.026712524 3.021322296 -1.087010879 0.283760458 0.710868396 -6.399526906 stable

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POM121 /// POM121C 0.050755001 12.35041188 1.086668355 0.283909955 0.710868396 -6.399894317 stable

DENR -0.064533583 10.99976326 -1.086656395 0.283915176 0.710868396 -6.399907145 stable

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FGF7 0.019475797 3.48206193 1.085711441 0.284327899 0.710868396 -6.400920181 stable

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FGF14 0.002265022 2.28724809 1.084240119 0.284971362 0.711175694 -6.402495862 stable

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KRTAP4-7 0.004681857 2.584397353 1.082343032 0.285802536 0.711448444 -6.404524539 stable

SULF1 0.003388787 2.564547654 1.08225931 0.285839257 0.711448444 -6.404613992 stable

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C19orf52 0.05309031 7.065938508 1.082102085 0.285908225 0.711448444 -6.40478196 stable

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SHCBP1 -0.172989933 3.919724095 -1.081241432 0.286285963 0.711850495 -6.405701017 stable

RASAL2 0.010943279 3.170181632 1.081237849 0.286287536 0.711850495 -6.405704842 stable

SYNPO2L 0.006544121 2.966338819 1.081205265 0.286301844 0.711850495 -6.405739624 stable

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OASL 0.292498658 7.175948462 1.073114136 0.289870289 0.713657877 -6.414345896 stable

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LPHN3 0.00358759 2.558072197 1.072871048 0.289977978 0.713657877 -6.414603519 stable

DIRAS3 0.005117501 2.713856788 1.07286774 0.289979444 0.713657877 -6.414607025 stable

KATNBL1 -0.022649397 2.183064779 -1.072837273 0.289992943 0.713657877 -6.41463931 stable

PSMB4 0.035828441 12.55598487 1.072819977 0.290000606 0.713657877 -6.414657637 stable

OTC 0.00207383 2.290348486 1.072758875 0.29002768 0.713657877 -6.41472238 stable

RASSF2 -0.105623693 12.35611123 -1.072713919 0.290047602 0.713657877 -6.414770015 stable

IFNAR1 0.204011606 6.838887237 1.07268719 0.290059447 0.713657877 -6.414798335 stable

C5orf64 -0.052346246 2.905688939 -1.07268566 0.290060124 0.713657877 -6.414799955 stable

WDFY2 -0.170273788 7.919919466 -1.072640517 0.29008013 0.713657877 -6.414847784 stable

ZNF93 0.008008737 2.440885935 1.072640227 0.290080259 0.713657877 -6.414848092 stable

C11orf48 /// LOC102288414 0.061026823 9.639152872 1.072610948 0.290093234 0.713657877 -6.414879111 stable

NEURL1B -0.079734074 3.257948361 -1.072479377 0.290151549 0.713726687 -6.415018494 stable

LOC100129029 /// LOC100131270 0.009689805 2.677895527 1.072363707 0.290202822 0.713778164 -6.415141019 stable

RAB12 0.017288531 2.418779268 1.072142955 0.290300694 0.71394423 -6.415374819 stable

CYP4F30P 0.004580643 2.926164339 1.072025833 0.290352629 0.713949422 -6.415498845 stable

LOC100240734 0.001513568 1.886843909 1.071988746 0.290369076 0.713949422 -6.415538115 stable

LOC152586 0.003933714 2.570066336 1.071901203 0.290407902 0.713949422 -6.415630807 stable

C3orf65 0.001844762 2.262070386 1.071861661 0.29042544 0.713949422 -6.415672673 stable

GGT5 0.001880121 2.233903139 1.071795979 0.290454573 0.713949422 -6.415742212 stable

MIR34A 0.003931902 2.936451027 1.071578415 0.29055109 0.714023649 -6.41597252 stable

LRP1B 0.006097063 2.681084098 1.071562013 0.290558367 0.714023649 -6.415989881 stable

RLN3 0.002666881 2.372952391 1.071522628 0.290575842 0.714023649 -6.416031568 stable

ATP5F1 0.041890901 13.68818889 1.071424572 0.290619351 0.714055966 -6.416135349 stable

DDHD2 -0.077347778 9.364670311 -1.071135898 0.290747469 0.714296138 -6.416440824 stable

RNF5 -0.012940432 2.150376899 -1.071030674 0.290794179 0.71433628 -6.416552153 stable

LOC101929762 -0.062875306 2.828410618 -1.070843608 0.290877232 0.714392278 -6.416750046 stable

NTS 0.003534854 2.415564404 1.07084251 0.29087772 0.714392278 -6.416751208 stable

LINC00461 /// MIR9-2 0.003865975 2.223564579 1.070684987 0.290947669 0.714489468 -6.416917823 stable

FAM134C 0.057835714 10.72557692 1.07041827 0.291066134 0.714624238 -6.417199882 stable

SERPINI2 -0.024200069 2.856483542 -1.070372736 0.291086362 0.714624238 -6.417248029 stable

PPP2R2C -0.016544182 3.666669962 -1.070302098 0.291117744 0.714624238 -6.417322716 stable

SCN5A -0.041156749 5.409194495 -1.07028784 0.291124078 0.714624238 -6.417337791 stable

RRAGC -0.046994056 10.55363099 -1.070069897 0.291220919 0.714743276 -6.417568195 stable

FLJ33534 0.004829789 2.740688468 1.070041929 0.291233347 0.714743276 -6.417597759 stable

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NTF3 -0.00857948 2.634956589 -1.06950908 0.291470213 0.715175348 -6.418160874 stable

LINC00673 0.001454272 1.928416629 1.069313271 0.29155729 0.715314386 -6.418367739 stable

LOC285147 -0.072918623 5.446557409 -1.069026963 0.291684644 0.715552202 -6.418670148 stable

STX3 0.175426268 8.628766529 1.068872903 0.291753188 0.715611416 -6.41883284 stable

WT1 0.009749874 3.285224035 1.068835951 0.29176963 0.715611416 -6.418871859 stable

MRO 0.002786371 2.336718332 1.06874024 0.291812221 0.715641253 -6.418972919 stable

AP000253.1 0.004570705 2.80850622 1.068582484 0.291882431 0.715738811 -6.419139472 stable

LOC286083 0.004682702 2.553863052 1.06836986 0.29197708 0.715896268 -6.419363916 stable

DCN 0.008090675 2.118951604 1.068234482 0.292037354 0.715963258 -6.419506798 stable

GP2 0.006666801 3.195706882 1.068004769 0.292139648 0.715963258 -6.419749205 stable

CELP -0.008651024 2.166399331 -1.067989444 0.292146473 0.715963258 -6.419765374 stable

APOPT1 -0.059532434 8.429879727 -1.067977346 0.292151861 0.715963258 -6.41977814 stable

TUBB7P -0.006125508 2.534433737 -1.06796671 0.292156598 0.715963258 -6.419789362 stable

LOC100129449 0.002939835 2.311839908 1.067852149 0.292207625 0.716013704 -6.419910231 stable

TSPAN8 0.004878464 2.870041415 1.067711411 0.29227032 0.716092729 -6.420058702 stable

ZBTB4 0.081088725 11.13717839 1.067514213 0.292358182 0.716233392 -6.420266704 stable

LOC100506142 -0.013962466 3.489818391 -1.06744429 0.292389341 0.716235127 -6.420340449 stable

MRPL22 0.077623151 9.332708495 1.067340177 0.29243574 0.716274189 -6.420450245 stable

LOC101929064 -0.019058531 3.319587131 -1.067059467 0.292560866 0.716473365 -6.420746226 stable

ALDH9A1 0.048017796 11.38297364 1.067021079 0.29257798 0.716473365 -6.420786697 stable

TTC5 0.067831795 3.258195847 1.066898021 0.292632847 0.716491275 -6.420916423 stable

ATP6V1E2 -0.088058601 7.016194895 -1.066868036 0.292646217 0.716491275 -6.42094803 stable

TRIM33 -0.109489917 10.8150554 -1.066300611 0.292899312 0.717036294 -6.421545999 stable

PUS3 0.099729052 8.260342523 1.066162783 0.292960812 0.717038755 -6.421691202 stable

HCFC1R1 -0.057358526 8.163887181 -1.066081719 0.292996987 0.717038755 -6.421776594 stable

ESRRB 0.004371437 2.384615539 1.066072772 0.29300098 0.717038755 -6.421786018 stable

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PAPD5 0.052020064 9.725092048 1.065655902 0.293187063 0.717221564 -6.422225049 stable

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HPGD -0.166414497 8.059195289 -1.065245671 0.293370263 0.717517101 -6.42265693 stable

FLJ35700 0.004680182 2.791728506 1.065076388 0.293445885 0.717535752 -6.422835101 stable

PTGFR 0.044856104 2.766957909 1.064860198 0.29354248 0.717535752 -6.423062604 stable

CCDC130 -0.053981677 9.152103528 -1.064778314 0.293579072 0.717535752 -6.423148761 stable

POLR2E -0.052996415 11.0046893 -1.06474281 0.293594938 0.717535752 -6.423186115 stable

ZBTB45 0.04860026 8.412687126 1.064717429 0.293606282 0.717535752 -6.423212819 stable

CTSL 0.18965226 7.141147161 1.064484815 0.293710256 0.717535752 -6.423457525 stable

BMP1 -0.003322401 2.453583855 -1.064400739 0.293747842 0.717535752 -6.423545959 stable

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HTN3 0.002828095 2.053872128 1.064129711 0.29386903 0.717535752 -6.423830991 stable

COQ10B 0.007612861 2.605312116 1.064102483 0.293881206 0.717535752 -6.423859622 stable

RNF40 0.075477879 9.202722198 1.063919848 0.293962892 0.717535752 -6.424051651 stable

MAPK8IP2 -0.022416944 4.664296279 -1.063910258 0.293967182 0.717535752 -6.424061733 stable

EML2 0.010564622 2.658359562 1.063906829 0.293968716 0.717535752 -6.424065338 stable

LINC01093 0.007286804 3.100006035 1.063889695 0.29397638 0.717535752 -6.424083352 stable

FUT7 0.170752398 7.860726619 1.063862773 0.293988423 0.717535752 -6.424111655 stable

VPS16 0.06091001 9.579803807 1.063799902 0.294016548 0.717535752 -6.424177749 stable

NEK11 0.002612549 2.454356116 1.063768681 0.294030515 0.717535752 -6.42421057 stable

NKX3-2 -0.023048833 2.789700864 -1.063745971 0.294040675 0.717535752 -6.424234443 stable

NRG2 -0.023444874 3.652820998 -1.063721787 0.294051495 0.717535752 -6.424259864 stable

NR2F1 0.013042165 3.71491663 1.063651696 0.294082854 0.717535752 -6.424333538 stable

THEMIS 0.146045892 8.808959076 1.063639759 0.294088195 0.717535752 -6.424346085 stable

LOC284661 -0.006795196 2.742472395 -1.063576876 0.294116332 0.717535752 -6.424412179 stable

KDM4C -0.205351479 8.533275277 -1.063555294 0.29412599 0.717535752 -6.424434862 stable

LMF1 -0.026277278 2.548486791 -1.063538979 0.294133291 0.717535752 -6.42445201 stable

SPPL2A 0.080139725 11.13377382 1.063402215 0.294194495 0.717535752 -6.424595739 stable

TERF1 0.046187528 9.455530003 1.063400542 0.294195243 0.717535752 -6.424597497 stable

SF3A1 -0.043244667 11.61274684 -1.063323708 0.294229632 0.717535752 -6.424678236 stable

HEATR5B 0.063792887 10.21529652 1.063268213 0.294254472 0.717535752 -6.424736549 stable

INO80B -0.059985982 8.76387034 -1.063250125 0.294262568 0.717535752 -6.424755554 stable

LOC101929112 -0.135346667 5.820928303 -1.06307796 0.29433964 0.717649287 -6.424936439 stable

SRRM5 -0.00448681 2.822211289 -1.063004464 0.294372545 0.717655124 -6.425013648 stable

PRMT9 0.081479304 8.256688793 1.062816405 0.294456755 0.717786023 -6.425211187 stable

SYT12 -0.015644781 3.434858938 -1.062535371 0.294582628 0.717970314 -6.425506326 stable

SLC18A1 0.0141008 2.855719608 1.062511313 0.294593406 0.717970314 -6.425531588 stable

RCOR1 0.066025135 10.43391124 1.06228186 0.294696207 0.718013548 -6.425772498 stable

THAP9-AS1 -0.081189911 10.2539475 -1.062139665 0.294759926 0.718013548 -6.425921767 stable

PSG7 -0.002720875 2.578986975 -1.061970758 0.294835628 0.718013548 -6.426099054 stable

RPL7AP10 /// RPL7AP10 -0.089841661 6.867480551 -1.061946107 0.294846678 0.718013548 -6.426124926 stable

IPMK 0.094971919 7.432338309 1.061923328 0.294856888 0.718013548 -6.426148833 stable

AFAP1 0.033484197 4.167882926 1.061857162 0.294886549 0.718013548 -6.426218272 stable

H1FNT -0.009369157 2.705761469 -1.061831664 0.294897979 0.718013548 -6.426245029 stable

CTD-2541J13.1 0.011354664 2.979638184 1.061809882 0.294907744 0.718013548 -6.426267887 stable

GABBR2 0.002191139 2.377209248 1.061793658 0.294915017 0.718013548 -6.426284912 stable

GPLD1 0.025708327 2.339565127 1.061775695 0.29492307 0.718013548 -6.426303762 stable

LOC646588 0.012553863 2.457581444 1.061722461 0.294946937 0.718013548 -6.426359621 stable

SLCO5A1 0.003140559 2.533025037 1.061492894 0.295049875 0.718189807 -6.426600482 stable

LINC01210 -0.026044571 1.538504372 -1.061204554 0.295179202 0.718242593 -6.426902937 stable

ULK1 -0.083707023 8.259585213 -1.061163645 0.295197554 0.718242593 -6.426945842 stable

MOSPD2 0.18321935 9.231507384 1.061043738 0.295251349 0.718242593 -6.427071591 stable

SLC35C1 0.116646959 6.86039963 1.060985475 0.295277491 0.718242593 -6.427132689 stable

SLC9A7 -0.035768635 3.27755872 -1.060934248 0.295300477 0.718242593 -6.427186405 stable

ADH7 0.004605282 3.021720203 1.060920436 0.295306674 0.718242593 -6.427200887 stable

ZNF367 -0.132431954 7.701758566 -1.060884884 0.295322628 0.718242593 -6.427238165 stable

LINC01356 -0.038770642 4.186462941 -1.060877897 0.295325763 0.718242593 -6.427245491 stable

LOC101928555 0.01060454 3.282332033 1.06083194 0.295346387 0.718242593 -6.427293676 stable

DNAJC8 0.05638617 10.64111675 1.060687745 0.295411102 0.718296607 -6.427444851 stable

LOC101929241 0.014227736 2.274474688 1.060646366 0.295429675 0.718296607 -6.427488229 stable

NUDT21 0.043286079 10.47480535 1.06053084 0.295481533 0.718321325 -6.427609329 stable

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OR2H1 0.018712209 2.661498839 1.06026037 0.295602967 0.718334967 -6.427892799 stable

GALNT5 0.024025557 5.2339292 1.060208793 0.295626128 0.718334967 -6.427946848 stable

FDFT1 0.055606082 11.52783993 1.060157153 0.295649318 0.718334967 -6.42800096 stable

LRBA -0.085461129 10.33720848 -1.060091174 0.29567895 0.718334967 -6.428070093 stable

SPDYE1 /// SPDYE2 /// SPDYE2B /// SPDYE5 /// SPDYE6 0.108259924 7.498213291 1.059944878 0.295744659 0.718334967 -6.42822337 stable

TUBB3 -0.051058203 9.834813874 -1.059930083 0.295751305 0.718334967 -6.428238869 stable

ANXA8 /// ANXA8L1 -0.085477939 2.473610794 -1.059842176 0.295790794 0.718334967 -6.428330959 stable

TP53TG3 /// TP53TG3B /// TP53TG3C /// TP53TG3D -0.0719101 2.061032401 -1.059743407 0.295835167 0.718334967 -6.42843442 stable

ZFP92 0.083478308 5.364738861 1.059654116 0.295875287 0.718334967 -6.428527946 stable

LSS 0.086630785 9.547993998 1.059598267 0.295900382 0.718334967 -6.428586439 stable

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LINC00221 0.002155473 2.370665122 1.059428263 0.295976781 0.718334967 -6.428764475 stable

SUPT6H 0.090359317 8.052466353 1.059412251 0.295983977 0.718334967 -6.428781241 stable

ANKRD54 0.003621264 2.690594485 1.059411092 0.295984498 0.718334967 -6.428782455 stable

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KLHL25 0.087378526 3.110494327 1.059295309 0.296036539 0.718334967 -6.42890369 stable

PPL 0.003003649 2.372843527 1.059246992 0.296058258 0.718334967 -6.428954279 stable

RNF113A 0.067871502 10.33861618 1.059207687 0.296075927 0.718334967 -6.428995431 stable

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ARMC2-AS1 /// ATP5J2 0.052372448 11.65144246 1.059062163 0.296141351 0.718334967 -6.429147778 stable

SCO2 -0.178853651 10.50165757 -1.058865015 0.29623 0.718334967 -6.429354139 stable

PRIMPOL -0.081175861 8.586119346 -1.058762817 0.296275961 0.718334967 -6.429461098 stable

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ATP13A4 0.022106907 3.484719451 1.058592537 0.296352551 0.718334967 -6.42963929 stable

LOC101929181 0.024523577 3.571302147 1.058522666 0.296383983 0.718334967 -6.4297124 stable

SPAG5 -0.061176137 4.059087433 -1.058505654 0.296391636 0.718334967 -6.429730199 stable

PXMP4 0.087525551 7.427986487 1.058429605 0.29642585 0.718334967 -6.429809767 stable

ASNS -0.126444111 9.497581621 -1.058418967 0.296430636 0.718334967 -6.429820897 stable

GPR128 0.00256045 2.437387322 1.058387457 0.296444813 0.718334967 -6.429853863 stable

LOC100130815 0.003277151 2.54439054 1.058144399 0.296554185 0.718334967 -6.43010812 stable

CTC1 0.090483728 7.507437341 1.058041429 0.296600529 0.718334967 -6.430215819 stable

LOC101060609 -0.155340628 3.847834998 -1.057956374 0.296638814 0.718334967 -6.430304773 stable

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SLC22A13 0.0629597 2.252614801 1.057812164 0.296703733 0.718334967 -6.430455576 stable

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PDZRN4 0.003696171 2.496360354 1.05778434 0.296716259 0.718334967 -6.43048467 stable

TRMT11 -0.079372774 9.783724251 -1.057762167 0.296726242 0.718334967 -6.430507855 stable

NOX5 0.008735165 2.632336305 1.057677932 0.296764168 0.718334967 -6.430595928 stable

FAM115C /// LOC101928422 0.092147663 3.960797701 1.057613443 0.296793206 0.718334967 -6.430663351 stable

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DCTN1 /// SLC4A5 -0.048243465 10.05027809 -1.05757917 0.29680864 0.718334967 -6.430699183 stable

ZBTB42 -0.009672413 2.983330411 -1.057578461 0.296808959 0.718334967 -6.430699923 stable

PTPRCAP 0.099288354 12.14752638 1.057504141 0.296842428 0.718334967 -6.430777618 stable

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ISX 0.001908613 2.290828376 1.057351046 0.296911379 0.718334967 -6.430937648 stable

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VMP1 0.245957686 8.865611365 1.056772297 0.29717214 0.718785431 -6.431542416 stable

BIRC5 /// EPR-1 -0.004274474 2.475887739 -1.056734336 0.297189249 0.718785431 -6.431582072 stable

PINK1 0.10259117 8.315492412 1.056664004 0.29722095 0.718788193 -6.431655542 stable

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KLKB1 -0.063071066 2.777974924 -1.056431291 0.297325858 0.718894068 -6.431898606 stable

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ACTL7A 0.001636036 2.204605712 1.055932798 0.297550666 0.719141925 -6.4324191 stable

TBC1D10B 0.0888748 9.371177421 1.055786575 0.297616631 0.719167232 -6.432571733 stable

GLIDR /// LOC728903 -0.079596874 4.990321736 -1.055742709 0.297636423 0.719167232 -6.432617518 stable

MXRA8 -0.093786722 5.218925476 -1.055706271 0.297652863 0.719167232 -6.432655549 stable

QRFPR 0.003780605 2.541153421 1.055564285 0.297716933 0.719229538 -6.432803729 stable

CD1E -0.099918065 4.310145546 -1.055513596 0.297739808 0.719229538 -6.432856625 stable

LINC01293 -0.023349283 2.747474775 -1.055349683 0.297813787 0.719273345 -6.433027657 stable

SPIRE1 0.117470979 4.390656586 1.055279665 0.297845392 0.719273345 -6.433100709 stable

LOC102546294 0.003725115 2.692604729 1.05527016 0.297849683 0.719273345 -6.433110625 stable

LINC00839 -0.007573036 2.463418529 -1.054931797 0.29800245 0.719524015 -6.433463581 stable

MIR100HG 0.004012771 2.572774374 1.054904746 0.298014666 0.719524015 -6.433491794 stable

RP11-676J12.6 -0.031869274 2.521554753 -1.05471819 0.29809892 0.719622555 -6.433686346 stable

CLEC2L -0.323426119 4.582484153 -1.054592005 0.298155918 0.719622555 -6.433817921 stable

C1QA 0.405633392 6.620481121 1.054585966 0.298158646 0.719622555 -6.433824217 stable

FLNC -0.038040727 3.992802806 -1.054516762 0.298189908 0.719622555 -6.43389637 stable

PAG1 0.081892242 9.774158902 1.05440588 0.298240004 0.719622555 -6.434011968 stable

ADAM9 -0.167900293 6.971294768 -1.054404365 0.298240689 0.719622555 -6.434013547 stable

MIR17 /// MIR17HG /// MIR18A /// MIR19A /// MIR19B1 /// MIR20A /// MIR92A1 -0.163115375 4.152057472 -1.054326668 0.298275795 0.719622555 -6.434094542 stable

ACER3 -0.12468931 8.124275643 -1.05425606 0.298307701 0.719622555 -6.434168142 stable

CPSF7 -0.041009613 11.173287 -1.054204872 0.298330833 0.719622555 -6.434221496 stable

LDHA 0.041491719 13.7342634 1.05395622 0.298443218 0.71975175 -6.434480635 stable

MEOX2 0.016091034 3.247641887 1.053840468 0.298495545 0.71975175 -6.434601249 stable

ATP6AP2 0.00265971 2.546085079 1.053777728 0.29852391 0.71975175 -6.43466662 stable

TMEM71 0.076744311 10.76123409 1.053759409 0.298532192 0.71975175 -6.434685706 stable

NEU1 0.150447359 9.051823687 1.053747902 0.298537395 0.71975175 -6.434697695 stable

PNLDC1 -0.005829998 2.77515563 -1.053584346 0.29861135 0.719811829 -6.434868085 stable

FAM131B 0.029640188 2.948156044 1.053540554 0.298631154 0.719811829 -6.434913704 stable

CHP1 -0.134196275 7.984605724 -1.053477233 0.298659791 0.719811829 -6.434979661 stable

SKIL 0.072525247 3.806690306 1.053345025 0.298719587 0.719811829 -6.435117363 stable

LINC00654 0.003305397 2.470111479 1.05330882 0.298735964 0.719811829 -6.435155069 stable

FLJ46875 -0.077391521 6.667460375 -1.053265457 0.298755579 0.719811829 -6.435200229 stable

EDNRB -0.022698354 4.046259317 -1.053219132 0.298776535 0.719811829 -6.435248471 stable

APOA1 -0.028378993 3.008534227 -1.052955092 0.298896 0.720020335 -6.435523403 stable

FANCD2 0.007630215 2.340508388 1.052892543 0.298924305 0.720020335 -6.435588523 stable

TFF2 0.007805304 2.874793003 1.052791689 0.298969947 0.720050553 -6.435693514 stable

ARHGEF4 0.001521955 2.075882124 1.05272954 0.298998076 0.720050553 -6.435758207 stable

CLDN11 0.004785142 2.884830252 1.052621531 0.299046965 0.720076701 -6.435870629 stable

SPACA6P -0.008776977 2.426676907 -1.052504494 0.299099947 0.720076701 -6.435992437 stable

AKR1A1 -0.084814381 10.77191871 -1.052413761 0.299141027 0.720076701 -6.43608686 stable

FLRT3 -0.036522996 2.34329742 -1.052328062 0.29917983 0.720076701 -6.436176037 stable

GPR15 0.057762379 4.653651274 1.052297836 0.299193517 0.720076701 -6.436207487 stable

KCNE1 0.002455825 2.187124812 1.052260018 0.299210642 0.720076701 -6.436246836 stable

UPF3A -0.06844244 10.54532136 -1.052204632 0.299235724 0.720076701 -6.436304464 stable

PDE6C 0.015146129 3.504802589 1.052118814 0.299274589 0.720076701 -6.436393747 stable

AADACP1 0.00219515 2.305008238 1.052068814 0.299297235 0.720076701 -6.436445763 stable

TMEM144 0.022756465 2.454143225 1.052015103 0.299321563 0.720076701 -6.436501638 stable

RPL32P3 -0.059314054 6.477360647 -1.051895051 0.299375945 0.720076701 -6.436626514 stable

SEC13 -0.046452527 11.24143601 -1.051773813 0.299430871 0.720076701 -6.436752611 stable

GYG1 0.101512563 10.99309186 1.051591371 0.299513538 0.720076701 -6.43694234 stable

ZNF483 0.002295129 2.573464503 1.051502988 0.299553591 0.720076701 -6.437034242 stable

ELOVL1 /// MIR6734 0.083751569 9.85714074 1.051415617 0.299593189 0.720076701 -6.437125083 stable

C14orf80 0.0419594 6.867972815 1.051414781 0.299593568 0.720076701 -6.437125953 stable

VMA21 -0.042257031 10.72970174 -1.051406672 0.299597244 0.720076701 -6.437134384 stable

RBM46 0.018624788 3.555340828 1.051398064 0.299601145 0.720076701 -6.437143334 stable

DNMBP /// LOC101927371 0.006330426 3.114469354 1.051382933 0.299608003 0.720076701 -6.437159064 stable

LINC00320 0.014822387 3.554616206 1.051342862 0.299626166 0.720076701 -6.437200724 stable

FLRT1 -0.014969116 2.671803262 -1.05128624 0.299651832 0.720076701 -6.437259587 stable

DICER1-AS1 0.00712 3.010592337 1.051186808 0.299696908 0.720111448 -6.43736295 stable

VPS28 -0.06568872 11.67455006 -1.050904296 0.299825003 0.720296066 -6.437656576 stable

CYP2B6 /// CYP2B7P 0.059145485 2.193067122 1.050882275 0.299834989 0.720296066 -6.43767946 stable

HUWE1 0.01685565 15.05223067 1.050584524 0.299970039 0.72047781 -6.43798884 stable

CDH2 0.004466519 2.863042901 1.050580409 0.299971906 0.72047781 -6.437993115 stable

RP11-360A18.2 0.002298106 2.651992196 1.050196154 0.300146253 0.720695906 -6.438392251 stable

RASSF6 -0.194879043 3.619833278 -1.050179678 0.300153731 0.720695906 -6.438409364 stable

RPS6KA1 0.067546453 10.48625035 1.050177692 0.300154632 0.720695906 -6.438411425 stable

MOB3B -0.066891482 2.880418402 -1.050017384 0.300227391 0.720698346 -6.438577899 stable

TAF6 -0.045778743 9.890904422 -1.049997789 0.300236285 0.720698346 -6.438598246 stable

DUSP5P1 0.002580768 2.865024787 1.04992239 0.300270511 0.720698346 -6.438676535 stable

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GULP1 0.008473451 2.943137103 1.049815123 0.300319208 0.7207232 -6.438787904 stable

MKRN4P /// MKRN4P -0.075456295 9.253462215 -1.049731612 0.300357124 0.720740655 -6.438874602 stable

FAHD2A 0.081153315 8.10823719 1.049512163 0.300456774 0.720906231 -6.439102393 stable

BTNL8 0.027849113 2.386473961 1.049429983 0.300494097 0.720922242 -6.439187685 stable

NEIL3 0.004719961 2.456926654 1.049351706 0.300529651 0.72093281 -6.439268921 stable

DISP2 -0.003307742 2.33648459 -1.049285326 0.300559803 0.72093281 -6.439337806 stable

CRYBB2P1 -0.018480466 2.708028561 -1.049208468 0.300594718 0.720943036 -6.439417558 stable

NMNAT1 0.095891555 5.936303196 1.04904694 0.300668104 0.721045522 -6.439585152 stable

EYA2 -0.001918102 2.131709935 -1.048978082 0.300699392 0.721047039 -6.439656588 stable

NBEA -0.144547376 5.503704039 -1.048739318 0.3008079 0.721204889 -6.439904259 stable

C11orf92 0.009150192 3.268686843 1.048698298 0.300826545 0.721204889 -6.439946804 stable

ADAM11 -0.028200224 2.11685227 -1.048423605 0.30095142 0.721430732 -6.440231667 stable

SMCHD1 -0.124817464 9.655538655 -1.048109471 0.301094268 0.721539064 -6.440557344 stable

SMOC1 0.00150121 2.226124978 1.04810593 0.301095879 0.721539064 -6.440561015 stable

NUTF2 /// NUTF2P4 -0.096553107 9.620879317 -1.048066084 0.301114002 0.721539064 -6.440602319 stable

DCDC2 0.004986427 2.613138447 1.047864545 0.301205678 0.721539064 -6.440811208 stable

LEMD1-AS1 0.008487265 2.958187562 1.047842122 0.301215879 0.721539064 -6.440834446 stable

TRMT12 0.100462683 8.436293203 1.047799266 0.301235376 0.721539064 -6.440878859 stable

FKBP10 0.001686437 2.307319439 1.04777149 0.301248014 0.721539064 -6.440907644 stable

ERI2 0.187739577 5.951506466 1.047456046 0.301391556 0.721539064 -6.441234487 stable

FCER1G 0.130136716 12.78066956 1.047436342 0.301400524 0.721539064 -6.4412549 stable

HINT1 -0.147567426 9.133065161 -1.047350263 0.301439703 0.721539064 -6.441344072 stable

PYGM -0.080720568 2.95891742 -1.047276261 0.301473388 0.721539064 -6.441420728 stable

NKAIN3 0.011213556 2.850933186 1.047207963 0.301504479 0.721539064 -6.44149147 stable

HOXC9 -0.00631601 2.128196974 -1.047100297 0.301553495 0.721539064 -6.441602981 stable

MSL1 -0.055598496 12.13881505 -1.047085289 0.301560329 0.721539064 -6.441618524 stable

TGFA 0.066058397 2.696639874 1.0470181 0.301590921 0.721539064 -6.441688106 stable

GOLIM4 -0.04416814 2.341511208 -1.046979144 0.301608659 0.721539064 -6.441728447 stable

GREM1 0.003288896 2.349664552 1.046893073 0.301647854 0.721539064 -6.441817575 stable

LENG9 -0.023142567 4.227411259 -1.046884617 0.301651704 0.721539064 -6.441826331 stable

MGC12916 0.133398552 7.707124573 1.046789201 0.301695158 0.721539064 -6.441925126 stable

BCAS2 -0.044966196 10.67610163 -1.04677324 0.301702428 0.721539064 -6.441941651 stable

ANKMY2 0.068612608 9.297802832 1.046690761 0.301739994 0.721539064 -6.442027042 stable

BCL2 -0.094611379 7.729043673 -1.046688867 0.301740857 0.721539064 -6.442029004 stable

HMGN1 /// LOC101927733 -0.05855372 12.85551666 -1.0466651 0.301751683 0.721539064 -6.442053608 stable

ZNF33B -0.046364033 6.066222689 -1.046581838 0.30178961 0.721539064 -6.442139802 stable

PGAP2 -0.071546651 8.773705161 -1.046562632 0.301798359 0.721539064 -6.442159684 stable

NRCAM -0.184805161 7.424127684 -1.046510227 0.301822233 0.721539064 -6.44221393 stable

UNC5D -0.027056837 3.251861853 -1.04636695 0.301887511 0.721539064 -6.442362228 stable

NME1 -0.131503676 9.503813867 -1.046364897 0.301888447 0.721539064 -6.442364353 stable

LOC101927829 0.0074335 2.876190632 1.046227895 0.301950875 0.721539064 -6.442506138 stable

LINC00311 0.02585118 2.778708404 1.046208119 0.301959887 0.721539064 -6.442526602 stable

AC007557.2 /// BC031974 0.002204052 2.619735819 1.046206459 0.301960643 0.721539064 -6.44252832 stable

WNT10B -0.115630318 7.607548561 -1.046122391 0.301998956 0.721539064 -6.442615312 stable

C17orf98 0.014532556 3.3601725 1.045873142 0.302112568 0.721539064 -6.442873192 stable

C10orf10 0.014157581 4.047762233 1.045848365 0.302123864 0.721539064 -6.442898825 stable

TXNL4B -0.05499776 7.541398023 -1.045781639 0.302154284 0.721539064 -6.442967849 stable

TMEM243 -0.042239946 11.34372732 -1.045619311 0.302228299 0.721539064 -6.443135754 stable

ATE1 0.08346384 8.757362343 1.04557897 0.302246695 0.721539064 -6.443177477 stable

DCP1A -0.048293966 9.192252462 -1.04555273 0.302258661 0.721539064 -6.443204615 stable

VWA1 -0.034425198 2.819960469 -1.045523831 0.30227184 0.721539064 -6.443234503 stable

FAM32A 0.049848421 11.26945537 1.045476064 0.302293624 0.721539064 -6.443283901 stable

FLJ30901 /// SCUBE1 0.006422453 2.205371404 1.045436419 0.302311705 0.721539064 -6.443324899 stable

PDLIM3 -0.001797686 2.24854625 -1.045327118 0.302361559 0.721539064 -6.443437923 stable

PLK4 0.033445269 4.078991133 1.045292983 0.302377129 0.721539064 -6.443473218 stable

FAM19A2 -0.080149001 4.30759335 -1.045247557 0.302397851 0.721539064 -6.443520186 stable

ERG 0.023296438 2.390687429 1.045205687 0.302416951 0.721539064 -6.443563475 stable

RP11-579O24.3 0.005449319 2.718487574 1.045204352 0.30241756 0.721539064 -6.443564856 stable

DGCR10 0.002439883 2.413135249 1.045158669 0.302438401 0.721539064 -6.443612086 stable

AK093370 /// CTD-3046C4.1 0.002508529 2.42766617 1.04498041 0.302519733 0.721651479 -6.443796363 stable

ZNF205 -0.082413906 5.951265045 -1.044785318 0.302608763 0.721651479 -6.443998008 stable

ANKRD26 0.079303977 3.498617198 1.044768667 0.302616363 0.721651479 -6.444015217 stable

SLC18A3 0.002801801 2.521494626 1.044749917 0.30262492 0.721651479 -6.444034594 stable

UQCC1 0.068490979 7.693000276 1.04467755 0.30265795 0.721651479 -6.44410938 stable

SMIM6 0.009733212 2.5063446 1.044523908 0.302728085 0.721651479 -6.444268142 stable

SMIM8 -0.091470794 7.785257162 -1.044455338 0.30275939 0.721651479 -6.44433899 stable

PLD2 -0.091744257 8.162771523 -1.044453304 0.302760319 0.721651479 -6.444341092 stable

LINC00282 -0.250835603 6.558837858 -1.044386014 0.302791041 0.721651479 -6.444410613 stable

ZBTB37 0.015637258 3.549183132 1.044378344 0.302794543 0.721651479 -6.444418537 stable

NECAB1 0.003956278 2.543207122 1.044315991 0.302823013 0.721651479 -6.444482953 stable

CYP1B1-AS1 0.002530673 2.308711727 1.044213251 0.302869929 0.721690163 -6.444589085 stable

ST8SIA4 0.025670096 3.834512845 1.044114028 0.302915243 0.721719857 -6.444691573 stable

SP2 0.04942521 10.3937745 1.043950608 0.302989885 0.721719857 -6.444860353 stable

PRKY -0.03183137 3.423355756 -1.043891457 0.303016906 0.721719857 -6.444921437 stable

SLC16A5 -0.140951639 6.101446768 -1.043889821 0.303017653 0.721719857 -6.444923126 stable

TMEM67 0.006030863 2.926902291 1.043797069 0.303060026 0.721719857 -6.445018904 stable

TMEM198 0.018071912 2.061340423 1.043782909 0.303066495 0.721719857 -6.445033524 stable

LOC101927460 0.002893468 2.530165213 1.043279716 0.30329645 0.72219435 -6.445552984 stable

AC124997.1 0.013681844 3.290852175 1.04309574 0.303380555 0.722321494 -6.445742848 stable

KCNJ4 -0.023921703 2.255080361 -1.043007794 0.303420765 0.722344112 -6.445833596 stable

LOC644135 0.004355569 2.967991182 1.042908038 0.30346638 0.72237959 -6.445936524 stable

MAPK14 0.053871888 10.79955161 1.042610369 0.303602522 0.722470772 -6.4462436 stable

HYMAI -0.170833033 5.509031812 -1.042588229 0.303612649 0.722470772 -6.446266436 stable

KRT2 0.028460391 2.012738746 1.042533802 0.303637547 0.722470772 -6.446322574 stable

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THAP7-AS1 -0.011695436 2.566718118 -1.042488514 0.303658265 0.722470772 -6.446369282 stable

LOC100128198 -0.029415862 3.524611303 -1.042110802 0.303831097 0.722631712 -6.446758769 stable

LOC100133089 -0.024564774 2.478750633 -1.042101127 0.303835525 0.722631712 -6.446768744 stable

MIR29A /// MIR29B1 0.028920729 2.267213858 1.042087364 0.303841824 0.722631712 -6.446782933 stable

LOC101928000 -0.12462652 7.185639415 -1.042072121 0.3038488 0.722631712 -6.446798648 stable

RASSF10 0.004826056 2.74119396 1.041901032 0.303927112 0.722674207 -6.446975021 stable

MEF2A -0.091191569 7.897353213 -1.04184144 0.303954392 0.722674207 -6.447036446 stable

RPS6KC1 0.093455544 8.769612728 1.04183172 0.303958842 0.722674207 -6.447046466 stable

LOC101928818 /// PWRN1 -0.003831132 2.629837454 -1.04175395 0.303994447 0.722685808 -6.447126623 stable

LSM10 -0.094591096 9.846051674 -1.041474617 0.304122354 0.722916815 -6.447414484 stable

LINC00587 0.005106563 2.663160171 1.041401523 0.30415583 0.722923331 -6.447489799 stable

MMAB -0.059366434 7.63430712 -1.041205473 0.304245631 0.723062564 -6.447691778 stable

CA1 0.003424045 2.201723847 1.041129782 0.304280306 0.723062564 -6.447769747 stable

LCE3D -0.00976178 2.492897532 -1.041012978 0.304333821 0.723062564 -6.447890059 stable

SLC22A17 -0.06341005 2.662304835 -1.040945228 0.304364864 0.723062564 -6.447959837 stable

ODF3L2 -0.017414505 1.996694042 -1.040882467 0.304393624 0.723062564 -6.448024474 stable

TEX36-AS1 0.00209245 2.205052307 1.040725528 0.304465547 0.723062564 -6.448186085 stable

HEATR5B /// HEATR5B -0.229076082 6.244814519 -1.040665009 0.304493285 0.723062564 -6.4482484 stable

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NANOS3 -0.011674583 3.603446713 -1.040587029 0.304529029 0.723062564 -6.448328689 stable

LOC101927342 0.006130254 2.51903834 1.04051893 0.304560246 0.723062564 -6.4483988 stable

INSIG1 0.070471936 8.678020595 1.040464853 0.304585037 0.723062564 -6.448454471 stable

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KIAA0825 0.047835675 4.012703951 1.040316698 0.304652964 0.723062564 -6.448606981 stable

CASK -0.089135968 6.473262808 -1.040202497 0.30470533 0.723062564 -6.448724523 stable

NUDCD3 -0.028865723 2.528319527 -1.04007471 0.304763934 0.723062564 -6.448856036 stable

CELF1 0.05544692 10.27625221 1.039978326 0.304808142 0.723062564 -6.44895522 stable

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BC040412 /// CTC-400I9.1 0.008146597 2.668032241 1.03994735 0.30482235 0.723062564 -6.448987093 stable

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AC012531.25 -0.015447217 2.374792077 -1.039667809 0.304950593 0.723062564 -6.449274697 stable

LOC100129550 -0.074648962 7.742580655 -1.039531397 0.305013188 0.723062564 -6.449415018 stable

RP11-305E6.4 0.079979792 3.071629293 1.039518406 0.305019149 0.723062564 -6.44942838 stable

NBPF4 -0.014687786 2.619353407 -1.039485271 0.305034355 0.723062564 -6.449462461 stable

KLHDC2 -0.052173495 11.40876272 -1.039294594 0.305121868 0.723062564 -6.449658563 stable

DLG4 -0.052998692 3.418725646 -1.03928931 0.305124294 0.723062564 -6.449663998 stable

PURG 0.005550818 2.926027364 1.039245736 0.305144295 0.723062564 -6.449708806 stable

DTWD2 0.078060637 7.27120656 1.039116443 0.305203648 0.723062564 -6.449841753 stable

PHEX-AS1 0.006188967 2.279878238 1.039077009 0.305221752 0.723062564 -6.449882297 stable

RMND5B -0.056537673 4.287795854 -1.03900325 0.305255617 0.723062564 -6.449958131 stable

FAAH -0.118306522 7.217914199 -1.038982262 0.305265254 0.723062564 -6.449979709 stable

CARD16 /// CASP1 0.095717109 12.03078718 1.038941277 0.305284073 0.723062564 -6.450021843 stable

COX7BP1 /// COX7BP1 0.039448256 9.352785515 1.038924366 0.305291838 0.723062564 -6.450039228 stable

AASDH 0.05978537 8.656356976 1.038904249 0.305301076 0.723062564 -6.450059909 stable

OPCML -0.001971577 2.364068981 -1.038727771 0.30538212 0.723062564 -6.450241313 stable

PANK1 0.010002889 3.117522298 1.038682277 0.305403015 0.723062564 -6.450288072 stable

MARK3 -0.037962701 9.5312912 -1.03860638 0.305437876 0.723062564 -6.450366076 stable

LOC101927830 /// TMLHE-AS1 -0.037415307 3.425740886 -1.038551041 0.305463296 0.723062564 -6.450422948 stable

FGD5 0.02291228 2.710587004 1.038345629 0.305557664 0.723062564 -6.450634023 stable

TAS2R5 0.151348887 3.611134008 1.038324199 0.30556751 0.723062564 -6.450656042 stable

UBE2C -0.153019604 5.070104599 -1.038321233 0.305568873 0.723062564 -6.450659089 stable

SMAD9 -0.014669455 2.589600986 -1.038172388 0.305637268 0.723062564 -6.45081201 stable

NRSN1 0.005844549 2.866183523 1.038137169 0.305653453 0.723062564 -6.450848191 stable

CLIP1-AS1 -0.007601123 3.393643627 -1.038129043 0.305657188 0.723062564 -6.450856539 stable

FAM71F2 0.002992669 2.421412988 1.038052653 0.305692295 0.723062564 -6.450935009 stable

SERPINB2 0.360947582 5.46954758 1.038041765 0.305697299 0.723062564 -6.450946193 stable

F11-AS1 0.008597028 2.938010521 1.037978195 0.305726517 0.723062564 -6.45101149 stable

SRL -0.017282987 3.570490836 -1.037966407 0.305731935 0.723062564 -6.451023598 stable

SPRYD3 0.037389106 9.762675234 1.037882392 0.305770553 0.723062564 -6.451109888 stable

NBL1 -0.071258951 3.545836496 -1.037850279 0.305785315 0.723062564 -6.451142869 stable

AMH /// MIR4321 -0.017201176 2.620533524 -1.037744147 0.305834106 0.723062564 -6.451251862 stable

E2F4 -0.03805761 8.065903465 -1.037724904 0.305842953 0.723062564 -6.451271623 stable

ACP2 0.112703376 8.43420058 1.037697091 0.305855741 0.723062564 -6.451300184 stable

LARP1B -0.011641864 2.326064051 -1.037665107 0.305870446 0.723062564 -6.451333027 stable

CDKL3 -0.055876917 4.52048171 -1.037656438 0.305874432 0.723062564 -6.451341929 stable

DSE 0.013596063 3.352374349 1.037478881 0.305956078 0.723141276 -6.451524235 stable

EIF4H -0.04211948 12.72739662 -1.03739675 0.305993849 0.723141276 -6.451608552 stable

RAPH1 0.009812495 2.74112411 1.037311686 0.306032972 0.723141276 -6.451695875 stable

LOC102723721 -0.002937247 2.250772764 -1.037285691 0.306044929 0.723141276 -6.451722558 stable

RHOA 0.034982913 14.0250541 1.037249771 0.306061451 0.723141276 -6.45175943 stable

LPIN3 -0.02985749 2.374252081 -1.037141561 0.306111229 0.72318624 -6.451870496 stable

VPS29 -0.108614681 7.511736581 -1.037057143 0.306150065 0.723205352 -6.451957135 stable

CPN1 -0.024683152 2.437522004 -1.036870449 0.306235966 0.723270977 -6.452148717 stable

RP11-45M22.3 0.010378169 2.985791095 1.036863104 0.306239346 0.723270977 -6.452156254 stable

RP11-161I6.2 0.00435437 2.731500387 1.036620596 0.306350954 0.723461927 -6.452405062 stable

LOC344887 0.001508611 2.149593539 1.036553152 0.306381998 0.723462602 -6.452474248 stable

METAP1 0.033164459 10.40192775 1.036390302 0.306456966 0.723520478 -6.452641287 stable

SPNS1 -0.085730303 9.804543071 -1.036284322 0.306505761 0.723520478 -6.452749979 stable

TUSC8 0.028559227 3.849188612 1.036183436 0.306552215 0.723520478 -6.452853438 stable

DSCR9 -0.021571895 2.464111711 -1.036063996 0.30660722 0.723520478 -6.452975912 stable

SPTBN2 0.037754668 2.959632439 1.036031644 0.30662212 0.723520478 -6.453009084 stable

HLA-DQB1 /// LOC101060835 -0.24872825 11.91919978 -1.036005702 0.306634067 0.723520478 -6.453035682 stable

KRT80 0.004647392 2.674644918 1.035990052 0.306641275 0.723520478 -6.453051727 stable

NAA10 -0.034677221 9.649984147 -1.035851882 0.306704918 0.723520478 -6.45319338 stable

LOC101928496 0.004489628 2.829064422 1.035785429 0.306735531 0.723520478 -6.453261502 stable

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FBXL13 0.003292794 2.641206122 1.035719766 0.306765781 0.723520478 -6.45332881 stable

PI4KA /// PI4KAP1 /// PI4KAP2 -0.094718381 12.07692287 -1.035661532 0.306792611 0.723520478 -6.453388499 stable

EDNRA 0.005283983 2.959965705 1.035621912 0.306810866 0.723520478 -6.453429108 stable

OR2A4 0.003242556 2.39017392 1.035543512 0.306846991 0.723520478 -6.453509459 stable

LINC01425 0.002039134 2.470076757 1.035376204 0.306924091 0.723520478 -6.453680912 stable

LOC145694 0.002618986 2.397016905 1.035344343 0.306938776 0.723520478 -6.453713559 stable

PDK3 0.021386702 4.859469683 1.035341988 0.306939861 0.723520478 -6.453715972 stable

CTF1 -0.00285511 1.939341378 -1.035217399 0.306997287 0.723520478 -6.453843628 stable

OR2J3 0.002431606 2.229018259 1.035079832 0.307060702 0.723520478 -6.453984563 stable

LEMD1 0.003971747 2.909253827 1.035069821 0.307065317 0.723520478 -6.453994818 stable

CAND1 -0.135249453 5.60666435 -1.034926567 0.307131365 0.723520478 -6.45414156 stable

LOC101927348 0.001587531 2.108355622 1.034895399 0.307145736 0.723520478 -6.454173483 stable

T-18 0.005638464 2.608604837 1.034751349 0.307212163 0.723520478 -6.454321017 stable

GYPB 0.003598712 2.169933567 1.034741185 0.30721685 0.723520478 -6.454331426 stable

BREA2 -0.061087167 2.873688404 -1.034712907 0.307229892 0.723520478 -6.454360386 stable

ZNF444 -0.067188778 7.714501026 -1.034659017 0.307254746 0.723520478 -6.454415572 stable

FOLH1 /// FOLH1B 0.00348254 2.716680426 1.03464175 0.30726271 0.723520478 -6.454433253 stable

RAB30-AS1 -0.090613681 7.797639944 -1.034630701 0.307267806 0.723520478 -6.454444567 stable

RP11-12M5.1 0.006376425 2.755433097 1.034372581 0.307386874 0.723728395 -6.454708851 stable

LOC100293211 -0.363928266 5.172618017 -1.034263507 0.307437198 0.723774431 -6.454820511 stable

PP12708 0.021344578 3.737050706 1.034192479 0.307469972 0.723779144 -6.454893217 stable

THRAP3 0.061786532 7.033040132 1.034115844 0.307505335 0.723789952 -6.454971657 stable

LOC100506563 -0.012834799 3.490281763 -1.033885163 0.307611801 0.723968099 -6.455207739 stable

ARHGEF17 -0.027195026 3.189612228 -1.033809663 0.307646652 0.723977679 -6.455284995 stable

ZMAT3 0.063207532 7.630751891 1.033690711 0.307701566 0.724034467 -6.455406704 stable

FAM13A-AS1 -0.097925476 8.898238749 -1.033593408 0.307746491 0.724067741 -6.455506253 stable

RP4-742J24.2 0.004951561 2.695179323 1.033326548 0.307869723 0.724285232 -6.455779224 stable

IFIT1 0.363499138 8.992871285 1.032805874 0.30811026 0.724423182 -6.456311632 stable

ZBTB46-AS1 0.013736682 2.590282184 1.032722794 0.308148653 0.724423182 -6.456396561 stable

SLIT3 -0.052024902 3.67920749 -1.032672248 0.308172013 0.724423182 -6.456448228 stable

GPR37 /// SEL1L2 0.007605379 2.950918487 1.032631742 0.308190733 0.724423182 -6.456489631 stable

TFB2M 0.01247135 3.379214796 1.032613033 0.30819938 0.724423182 -6.456508755 stable

KATNAL1 0.073845167 5.012040021 1.032572774 0.308217988 0.724423182 -6.456549903 stable

LIMS1 0.102815943 6.647507774 1.032542331 0.308232059 0.724423182 -6.456581017 stable

HGSNAT -0.102403776 7.175745473 -1.03241557 0.308290655 0.724423182 -6.456710565 stable

ASB1 0.072095884 8.341875742 1.032358837 0.308316882 0.724423182 -6.45676854 stable

USP36 -0.050282331 2.363566705 -1.032302088 0.308343119 0.724423182 -6.456826529 stable

SNX19 0.112592319 6.743601208 1.032036429 0.30846596 0.724423182 -6.457097952 stable

CHRNA6 -0.002565067 2.5223246 -1.032027059 0.308470293 0.724423182 -6.457107524 stable

DDC-AS1 0.008134783 2.514859979 1.032012001 0.308477257 0.724423182 -6.457122907 stable

HSD3BP1 /// HSD3BP1 0.003936071 2.427481973 1.032005124 0.308480437 0.724423182 -6.457129932 stable

SCLY -0.003778956 2.09783494 -1.031926251 0.308516916 0.724423182 -6.457210501 stable

MBL2 0.003920135 2.653819844 1.031893467 0.308532079 0.724423182 -6.457243989 stable

FST 0.007006528 2.174732172 1.031859571 0.308547758 0.724423182 -6.457278611 stable

AX747544 /// JRK 0.028614553 2.928601387 1.031855118 0.308549817 0.724423182 -6.457283159 stable

PTH 0.005537955 2.859246092 1.031830685 0.308561119 0.724423182 -6.457308115 stable

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LOC645485 0.003783368 2.638925477 1.031800374 0.30857514 0.724423182 -6.457339073 stable

ZFAND3 -0.047639151 9.801918032 -1.031692715 0.308624943 0.724467793 -6.457449025 stable

ASIP 0.010575238 2.232796518 1.03154797 0.308691911 0.724494412 -6.457596836 stable

KLHL4 0.004279612 2.740477543 1.031532825 0.308698919 0.724494412 -6.457612301 stable

HELZ2 -0.093786831 7.885333549 -1.031468488 0.308728689 0.724494412 -6.457677994 stable

LARP7 -0.036027005 10.67763425 -1.0313741 0.308772367 0.724497899 -6.457774363 stable

UBE2DNL -0.0020517 2.213309113 -1.031296058 0.308808485 0.724497899 -6.457854038 stable

INA -0.013541196 2.224753487 -1.031176617 0.308863768 0.724497899 -6.457975966 stable

PRDX3 0.098532934 11.2685298 1.031161585 0.308870726 0.724497899 -6.45799131 stable

VTI1B -0.047959897 10.80754006 -1.0311079 0.308895576 0.724497899 -6.458046108 stable

NQO1 -0.047544305 2.703021625 -1.031065967 0.308914988 0.724497899 -6.458088908 stable

LSAMP-AS1 -0.014131311 3.405455523 -1.030969843 0.308959488 0.724526994 -6.458187013 stable

ATAD5 -0.022171467 3.736615144 -1.0309061 0.308989 0.724526994 -6.458252066 stable

PAQR9 0.004020047 2.804695159 1.030765525 0.309054092 0.724563185 -6.458395515 stable

MRPL1 -0.061142928 9.740622506 -1.030686992 0.30909046 0.724563185 -6.458475647 stable

PPARG -0.003466332 2.45413428 -1.030626357 0.30911854 0.724563185 -6.45853751 stable

DOK5 -0.028803466 2.587043557 -1.030606679 0.309127655 0.724563185 -6.458557587 stable

SALL1 0.003819763 2.639419611 1.030519194 0.309168174 0.724585953 -6.458646838 stable

RWDD1 -0.049219404 10.83517224 -1.030436838 0.309206322 0.724603159 -6.458730851 stable

NOS3 0.012765158 2.220801442 1.030358376 0.309242669 0.724607985 -6.458810885 stable

VAMP1 -0.154371034 9.524006789 -1.030299392 0.309269996 0.724607985 -6.458871048 stable

MPHOSPH6 -0.043652887 3.649050291 -1.03020999 0.309311416 0.724632851 -6.458962228 stable

PGLYRP4 -0.013954787 2.033407946 -1.029751595 0.309523857 0.724872973 -6.45942963 stable

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LOC101928405 0.002346276 2.114457986 1.02968134 0.309556425 0.724872973 -6.459501247 stable

TXLNA 0.005157854 2.864636655 1.02962707 0.309581584 0.724872973 -6.459556567 stable

MMP28 -0.048276053 3.157296717 -1.029565556 0.309610104 0.724872973 -6.459619267 stable

ARRB1 0.132526598 8.95577144 1.029534217 0.309624634 0.724872973 -6.459651209 stable

RILP -0.076360566 8.294266573 -1.029487161 0.309646452 0.724872973 -6.459699169 stable

CTD-3203P2.1 /// KDM8 -0.068804554 4.722658261 -1.029456956 0.309660458 0.724872973 -6.459729953 stable

EYS 0.011046304 3.326219925 1.029242194 0.309760053 0.724899932 -6.459948808 stable

FBXL21 0.015637569 2.907621252 1.029223292 0.30976882 0.724899932 -6.459968068 stable

IGHG1 -0.002089176 2.126263311 -1.029222461 0.309769205 0.724899932 -6.459968914 stable

C4orf47 0.006908703 2.954951181 1.02911755 0.309817866 0.724899932 -6.460075807 stable

CLEC12B -0.179859049 4.14935938 -1.029087041 0.309832018 0.724899932 -6.46010689 stable

ARL9 -0.016367416 2.604989286 -1.029030011 0.309858473 0.724899932 -6.460164991 stable

ARFIP2 -0.039288124 9.486906505 -1.028790461 0.309969613 0.724899932 -6.460409007 stable

LEMD2 -0.05079639 8.116309949 -1.028764662 0.309981584 0.724899932 -6.460435284 stable

ALDH1A3 -0.002102345 2.377426286 -1.028708867 0.310007475 0.724899932 -6.46049211 stable

BZRAP1-AS1 -0.109624901 10.44675484 -1.028627457 0.310045255 0.724899932 -6.460575019 stable

ACAT2 -0.061751316 8.863832329 -1.028593101 0.310061199 0.724899932 -6.460610006 stable

OIT3 0.003564972 2.60781093 1.028566494 0.310073548 0.724899932 -6.460637101 stable

AK093362 /// RP11-774D14.1 0.003073353 2.580953267 1.028508738 0.310100354 0.724899932 -6.460695913 stable

GPATCH4 -0.031517039 5.690366058 -1.028502081 0.310103444 0.724899932 -6.460702692 stable

VEGFB -0.099829241 8.158655573 -1.028318217 0.310188793 0.725027387 -6.460889898 stable

ABCA13 0.005510327 2.794136397 1.028037204 0.310319268 0.725188637 -6.461175958 stable

TUBGCP5 -0.09240433 7.538304286 -1.027805017 0.310427101 0.725188637 -6.461412258 stable

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LINC00588 0.004142896 2.923914893 1.027572296 0.310535209 0.725188637 -6.461649052 stable

CTC-527H23.4 -0.002875486 2.415287455 -1.027356622 0.31063542 0.725188637 -6.461868454 stable

HDLBP -0.082254058 9.084161038 -1.027310023 0.310657075 0.725188637 -6.461915853 stable

GNS 0.136885082 10.47233303 1.027152642 0.310730218 0.725188637 -6.46207592 stable

PPP2R5C 0.103627186 3.023948046 1.027115089 0.310747673 0.725188637 -6.462114111 stable

LOC100128988 0.005976258 2.326198505 1.027090509 0.310759098 0.725188637 -6.462139108 stable

C19orf47 -0.067166625 3.432773582 -1.026916464 0.310840005 0.725188637 -6.462316087 stable

PCLO 0.00557093 2.894732032 1.026805885 0.310891417 0.725188637 -6.462428515 stable

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METTL6 -0.07804054 3.550747237 -1.026753872 0.310915601 0.725188637 -6.462481394 stable

AGAP11 /// AGAP4 /// AGAP6 /// AGAP7P /// CTGLF12P /// LOC101060581 -0.054020263 9.478616104 -1.0267093 0.310936327 0.725188637 -6.462526706 stable

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TPSB2 -0.037681888 2.247390702 -1.026635624 0.310970588 0.725188637 -6.462601601 stable

YOD1 -0.107829647 5.791920857 -1.026326218 0.311114496 0.725188637 -6.462916071 stable

IGJ -0.194818733 12.64370859 -1.026285492 0.311133441 0.725188637 -6.462957457 stable

ZNF17 0.056337093 4.476824212 1.026186696 0.311179404 0.725188637 -6.463057848 stable

SENP7 0.087189428 9.21946377 1.026167025 0.311188556 0.725188637 -6.463077835 stable

CA6 0.004031091 2.43518352 1.026132546 0.311204598 0.725188637 -6.463112868 stable

PRR22 -0.033300083 1.969067766 -1.026064458 0.311236279 0.725188637 -6.463182045 stable

ARF3 -0.043567563 11.84135356 -1.026034082 0.311250414 0.725188637 -6.463212906 stable

GOLGA6L6 0.039869168 3.652112435 1.025986747 0.311272441 0.725188637 -6.463260996 stable

ADAMTS15 0.001480205 1.956185912 1.025979457 0.311275833 0.725188637 -6.463268401 stable

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LPIN1 0.098172542 7.823568537 1.0257829 0.31136731 0.725188637 -6.463468065 stable

CAPRIN2 -0.039857235 3.223913652 -1.025777353 0.311369892 0.725188637 -6.463473699 stable

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LRRFIP1 -0.061424215 11.66242508 -1.025613485 0.31144617 0.725188637 -6.463640128 stable

LOC101927668 /// MACC1 0.005229252 2.257864037 1.025578543 0.311462437 0.725188637 -6.463675614 stable

IPPK 0.039118079 6.950098323 1.025444672 0.311524764 0.725188637 -6.463811553 stable

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ITPKC -0.097790546 5.127653889 -1.025271233 0.311605525 0.725188637 -6.463987649 stable

RGS5 -0.004192869 2.73604863 -1.02526172 0.311609955 0.725188637 -6.463997307 stable

MSTN 0.012882589 3.300150435 1.025246572 0.31161701 0.725188637 -6.464012685 stable

RAB11FIP5 0.10882501 5.536320019 1.025197508 0.311639859 0.725188637 -6.464062494 stable

BC042811 /// RP11-340I6.8 -0.039382878 2.627728685 -1.025190377 0.311643181 0.725188637 -6.464069734 stable

LY6G6D /// LY6G6F -0.026897201 2.854631304 -1.025161788 0.311656495 0.725188637 -6.464098756 stable

LINC00525 0.002342197 2.382939403 1.025127528 0.311672452 0.725188637 -6.464133533 stable

FOXO3 -0.050963781 10.31991968 -1.025118196 0.311676798 0.725188637 -6.464143006 stable

LINC01139 0.009727236 3.148346085 1.025074222 0.31169728 0.725188637 -6.464187643 stable

TRHDE 0.009962606 3.065986078 1.025024579 0.311720404 0.725188637 -6.464238032 stable

CDCA3 -0.11741497 3.056516524 -1.025011338 0.311726571 0.725188637 -6.464251471 stable

RP5-1061H20.3 -0.014452324 2.819523748 -1.025001646 0.311731086 0.725188637 -6.464261309 stable

FASTKD2 -0.124985057 7.459982309 -1.02498746 0.311737694 0.725188637 -6.464275707 stable

PCSK4 -0.009034091 2.79874033 -1.024763907 0.311841842 0.725245824 -6.464502583 stable

SLMAP 0.015154546 3.39279618 1.024734103 0.311855729 0.725245824 -6.464532826 stable

TIMELESS -0.114508253 7.782686455 -1.024649547 0.311895129 0.725245824 -6.464618624 stable

DPP4 -0.144920661 8.857069288 -1.024643375 0.311898006 0.725245824 -6.464624887 stable

RAB11FIP3 0.06970458 8.107814501 1.0246038 0.311916447 0.725245824 -6.464665041 stable

EXD1 0.007731098 2.787855214 1.024514444 0.31195809 0.725262089 -6.464755698 stable

FA2H -0.030141002 2.615388999 -1.024444168 0.311990843 0.725262089 -6.464826993 stable

IDS 0.097421764 9.486654386 1.024386622 0.312017665 0.725262089 -6.464885369 stable

ICK 0.007605991 3.076025185 1.024324158 0.312046781 0.725262089 -6.464948731 stable

ATP6V1G2 -0.076730179 3.036798972 -1.024175824 0.312115931 0.725264126 -6.465099182 stable

PIFO -0.010178142 2.683900949 -1.024150413 0.312127778 0.725264126 -6.465124954 stable

USH1G -0.010274465 3.105574128 -1.024043133 0.312177797 0.725264126 -6.46523375 stable

LOC440117 0.004371424 2.766335807 1.023874934 0.312256231 0.725264126 -6.465404305 stable

IRAK1BP1 0.085593139 4.467215875 1.023865628 0.312260571 0.725264126 -6.46541374 stable

ICAM4 0.126805936 6.738338747 1.023749798 0.312314592 0.725264126 -6.465531175 stable

SNTG2 0.003702982 2.872742378 1.023704134 0.312335891 0.725264126 -6.465577469 stable

LINC00643 0.004815575 2.490453715 1.023697833 0.31233883 0.725264126 -6.465583857 stable

MCU -0.083273727 7.861604867 -1.023687103 0.312343835 0.725264126 -6.465594734 stable

CEP97 0.078362489 4.741461056 1.023578983 0.31239427 0.725264126 -6.465704336 stable

C14orf178 0.014376809 2.790502898 1.023572459 0.312397313 0.725264126 -6.465710948 stable

PITPNB -0.033847592 11.03145742 -1.023528812 0.312417675 0.725264126 -6.46575519 stable

NBEAL1 -0.08029912 6.875965741 -1.023448799 0.312455004 0.725264664 -6.465836288 stable

TUBA4B -0.049483092 7.278442805 -1.023396134 0.312479576 0.725264664 -6.465889664 stable

RP11-285G1.14 -0.004809778 2.879950656 -1.023261986 0.312542171 0.725338373 -6.466025612 stable

GTF2IRD1 -0.010954697 2.20694632 -1.023048169 0.312641959 0.725498374 -6.466242261 stable

IL13RA1 -0.181413916 10.86933258 -1.022840239 0.31273902 0.725652017 -6.466452905 stable

EGFR -0.05006817 1.854348809 -1.022661784 0.31282234 0.725773747 -6.466633657 stable

RANBP2 /// RGPD1 /// RGPD2 /// RGPD3 /// RGPD4 /// RGPD5 /// RGPD6 /// RGPD8 -0.177714379 6.652733906 -1.022420322 0.3129351 0.725963753 -6.46687818 stable

CCDC83 0.003909679 2.711846927 1.022218028 0.313029591 0.726087501 -6.467082995 stable

MTHFD2L 0.065930513 3.411087156 1.022082804 0.313092765 0.726087501 -6.467219884 stable

BC048420 0.035670593 3.576541121 1.022047469 0.313109274 0.726087501 -6.467255651 stable

BC030152 -0.035597589 6.718650297 -1.0220418 0.313111922 0.726087501 -6.467261388 stable

LSG1 -0.088775577 9.433222923 -1.02168058 0.313280726 0.726376401 -6.467626956 stable

FOXM1 -0.06789758 2.123638769 -1.021643047 0.313298269 0.726376401 -6.467664934 stable

CD151 -0.201852868 8.933594159 -1.021558876 0.313337614 0.72639602 -6.467750097 stable

CASC17 0.001843957 2.368648552 1.021410688 0.313406891 0.726485019 -6.467900018 stable

TAPT1-AS1 -0.133658051 8.536601348 -1.021067629 0.31356731 0.726734146 -6.468247005 stable

KIAA1755 0.016174411 3.091724995 1.021023601 0.313587901 0.726734146 -6.468291529 stable

PROKR2 -0.00959388 2.105163233 -1.020891491 0.313649696 0.726734146 -6.468425118 stable

LOC100289495 0.069114802 5.117693563 1.02083668 0.313675336 0.726734146 -6.468480537 stable

BC034416 0.001798453 1.951979242 1.02078063 0.313701557 0.726734146 -6.468537206 stable

CDKN2B-AS1 0.003612272 2.447083487 1.020724856 0.31372765 0.726734146 -6.468593594 stable

ITGA2 -0.031676877 2.610089074 -1.020687266 0.313745237 0.726734146 -6.468631596 stable

RP11-504A18.1 0.005368415 2.770696134 1.020652416 0.313761543 0.726734146 -6.468666826 stable

TMEM9 -0.063432851 9.005410467 -1.020510793 0.313827812 0.726816066 -6.468809984 stable

COG3 0.06032557 8.182169506 1.020309387 0.313922072 0.726819759 -6.46901354 stable

SNUPN 0.057890975 9.541784919 1.020271149 0.31393997 0.726819759 -6.469052182 stable

LOC100996902 0.003921928 2.621511817 1.020249343 0.313950176 0.726819759 -6.469074217 stable

IQCF3 0.002209134 2.504484477 1.02021807 0.313964815 0.726819759 -6.469105819 stable

AQP7 /// LOC100509620 /// LOC101930168 0.054448903 2.646398859 1.02016715 0.313988651 0.726819759 -6.469157272 stable

RSPH3 -0.049090463 5.636564597 -1.020111267 0.314014812 0.726819759 -6.469213737 stable

CHRAC1 -0.069573938 7.927144351 -1.019977092 0.31407763 0.726893628 -6.469349299 stable

TVP23A -0.005654601 2.423029236 -1.019848137 0.314138013 0.726936964 -6.46947957 stable

CKAP2 -0.10597231 4.598882724 -1.019805099 0.314158167 0.726936964 -6.469523044 stable

STEAP2 0.002974365 2.51821711 1.019519415 0.314291971 0.727069519 -6.469811577 stable

SCML1 -0.138897492 8.830841568 -1.01943113 0.314333328 0.727069519 -6.469900727 stable

VSIG10 0.00201365 2.219929168 1.019314541 0.314387951 0.727069519 -6.470018448 stable

GGA3 -0.047357956 10.24254904 -1.019225799 0.31442953 0.727069519 -6.470108041 stable

SLAIN1 0.103351757 7.853790984 1.019209975 0.314436945 0.727069519 -6.470124017 stable

NKIRAS2 -0.084560056 9.169424563 -1.019193185 0.314444813 0.727069519 -6.470140967 stable

CHST3 0.002551905 2.347726112 1.019148234 0.314465877 0.727069519 -6.470186346 stable

TMSB10 0.02068747 15.17323437 1.019091148 0.314492628 0.727069519 -6.470243972 stable

PHACTR1 -0.152751601 4.391364802 -1.019088956 0.314493656 0.727069519 -6.470246185 stable

LOC100132167 -0.075842808 4.863846899 -1.018925632 0.314570202 0.72717501 -6.470411038 stable

VWA3B 0.002215283 2.649546576 1.018845192 0.314607907 0.727190702 -6.470492221 stable

IGHG1 /// LOC101930405 -0.042254745 2.966243576 -1.018705945 0.314673184 0.7272234 -6.470632741 stable

TNFRSF1B 0.097458961 12.61765727 1.01858209 0.314731254 0.7272234 -6.470757713 stable

SZRD1 0.087915476 9.726699205 1.018412394 0.314810828 0.7272234 -6.470928916 stable

BC069756 0.01429263 2.845630539 1.018388721 0.314821929 0.7272234 -6.470952797 stable

PDXK -0.048346584 2.61536349 -1.018345322 0.314842282 0.7272234 -6.470996576 stable

RFESD 0.09908647 3.304097448 1.018318067 0.314855065 0.7272234 -6.471024069 stable

ADAMTS14 -0.018587578 3.318337363 -1.018301782 0.314862703 0.7272234 -6.471040495 stable

RFXANK -0.04967593 10.1130631 -1.018280556 0.314872658 0.7272234 -6.471061906 stable

PI15 0.002737507 2.222286565 1.018166209 0.314926293 0.7272234 -6.471177239 stable

LOC101928767 -0.056892991 3.423106927 -1.01794444 0.315030332 0.7272234 -6.471400886 stable

CD276 -0.00854654 2.151966022 -1.017873674 0.315063535 0.7272234 -6.471472241 stable

TFAP2D -0.010774479 2.671350645 -1.017805385 0.315095578 0.7272234 -6.471541094 stable

FUT2 -0.007962968 2.501465505 -1.017683937 0.315152571 0.7272234 -6.471663535 stable

CASP5 0.219375064 6.586753944 1.01758681 0.315198156 0.7272234 -6.471761446 stable

NUDT22 -0.064157129 7.443602102 -1.017338014 0.315314944 0.7272234 -6.472012209 stable

LOC100506379 0.003711386 2.510928553 1.017328518 0.315319402 0.7272234 -6.472021779 stable

HLA-F-AS1 0.036677432 4.056099674 1.01730314 0.315331317 0.7272234 -6.472047355 stable

XPO6 -0.055510959 11.283916 -1.017295941 0.315334697 0.7272234 -6.472054609 stable

BRAF /// KIAA1549 0.037862889 5.444832178 1.017218666 0.315370979 0.7272234 -6.472132482 stable

CTAGE5 /// MIA2 0.001847225 2.251188515 1.017204469 0.315377644 0.7272234 -6.472146787 stable

TMEM257 0.002063803 2.39348925 1.017188444 0.315385169 0.7272234 -6.472162935 stable

POTEM 0.024230286 3.049534686 1.017169227 0.315394192 0.7272234 -6.472182299 stable

MYADM 0.154144934 10.20184078 1.017164437 0.315396441 0.7272234 -6.472187126 stable

HUS1B 0.039668787 5.280834907 1.017142531 0.315406727 0.7272234 -6.472209198 stable

HS6ST2 0.010126809 2.989463631 1.01712875 0.315413198 0.7272234 -6.472223083 stable

RP11-634B7.4 0.001486103 2.162023733 1.017101654 0.315425923 0.7272234 -6.472250386 stable

LINC00893 -0.083075143 3.66043306 -1.017017827 0.315465288 0.727242874 -6.472334844 stable

HTR3A -0.055294991 2.434557322 -1.016672789 0.315627355 0.72747538 -6.472682411 stable

UBE2D2 -0.045420379 11.55124863 -1.016647906 0.315639045 0.72747538 -6.472707471 stable

BC040624 /// FOXP1-AS1 /// FOXP1-AS1 -0.151639896 4.203711836 -1.01654836 0.315685815 0.72747538 -6.472807725 stable

TSKS -0.018948675 2.5951988 -1.016460466 0.315727113 0.72747538 -6.472896235 stable

LOC100422212 0.003354736 2.583475911 1.016303068 0.315801079 0.72747538 -6.473054718 stable

EFCAB4A -0.022780338 3.281357656 -1.01629306 0.315805783 0.72747538 -6.473064794 stable

THAP7 -0.042374804 9.796228273 -1.016276602 0.315813517 0.72747538 -6.473081364 stable

TIFA 0.101559433 9.926343485 1.016276479 0.315813575 0.72747538 -6.473081488 stable

MIR4647 /// SLC35B2 0.065137656 8.718066267 1.015912815 0.315984522 0.727573046 -6.473447562 stable

VTCN1 -0.012814908 2.681942078 -1.015816793 0.316029669 0.727573046 -6.473544199 stable

SCNN1G -0.004377974 2.516199857 -1.015812003 0.316031921 0.727573046 -6.473549019 stable

DEFB126 0.002426566 2.303792136 1.015805668 0.3160349 0.727573046 -6.473555395 stable

GMFB 0.092998081 9.431239815 1.015790185 0.31604218 0.727573046 -6.473570976 stable

CTC-360P9.3 -0.004789123 2.320289244 -1.015753032 0.31605965 0.727573046 -6.473608364 stable

LOC286052 -0.089515819 9.095999774 -1.015698469 0.316085308 0.727573046 -6.473663269 stable

MAP3K10 -0.065018323 5.807176336 -1.015659916 0.316103438 0.727573046 -6.473702062 stable

C19orf54 -0.099221515 7.614630126 -1.01541213 0.31621998 0.727748549 -6.47395136 stable

P2RY6 -0.034096596 4.141796203 -1.015366238 0.316241568 0.727748549 -6.473997527 stable

KIF1B 0.115566379 7.313063974 1.015268266 0.316287657 0.727783407 -6.474096076 stable

RRN3P2 0.221737462 8.978058499 1.015105252 0.316364355 0.727794612 -6.474260031 stable

ZNF670 0.027782307 3.568489499 1.015011461 0.31640849 0.727794612 -6.474354352 stable

ELFN2 /// RP1-63G5.8 0.020728869 2.712198386 1.014863099 0.316478311 0.727794612 -6.474503535 stable

KCNV2 0.003762792 2.645636997 1.014853769 0.316482703 0.727794612 -6.474512917 stable

PLA2G4F -0.001875261 2.162661106 -1.014845529 0.316486581 0.727794612 -6.474521202 stable

ZNF197 0.105647788 4.538107343 1.014832 0.316492949 0.727794612 -6.474534804 stable

STAM-AS1 -0.004994626 3.286462946 -1.01474599 0.316533433 0.727794612 -6.474621279 stable

LOC284632 0.003997093 2.867731619 1.014646575 0.316580231 0.727794612 -6.474721222 stable

SMIM21 0.006068402 2.90698712 1.014646233 0.316580392 0.727794612 -6.474721565 stable

CCDC88A -0.134034036 5.636717572 -1.014509601 0.316644717 0.727794612 -6.474858908 stable

BC041363 0.0028789 2.378389956 1.01446133 0.316667444 0.727794612 -6.474907426 stable

ABCF1 0.052619929 10.30634604 1.014410795 0.316691239 0.727794612 -6.474958218 stable

STAT3 -0.054148557 12.21212671 -1.014403281 0.316694777 0.727794612 -6.474965769 stable

LOC399884 -0.011596506 3.297112395 -1.014256225 0.316764027 0.727882638 -6.475113556 stable

AATK -0.144210458 7.79798434 -1.014039744 0.316865989 0.727926924 -6.475331076 stable

GRK1 0.002776831 2.222382606 1.014004866 0.316882418 0.727926924 -6.475366117 stable

LOC101927787 0.004491617 2.605929249 1.013962056 0.316902585 0.727926924 -6.475409126 stable

BC069004 0.030726944 3.514504147 1.013692412 0.317029627 0.727926924 -6.475679982 stable

ZNF417 0.055275304 4.551318424 1.013659249 0.317045255 0.727926924 -6.47571329 stable

CPT2 -0.103364136 7.492526984 -1.013558251 0.31709285 0.727926924 -6.475814721 stable

KCNMA1 0.002609582 2.464578698 1.013513275 0.317114047 0.727926924 -6.475859887 stable

AQP8 0.010243044 2.203307731 1.013490851 0.317124615 0.727926924 -6.475882405 stable

ELP5 0.083052337 8.685611829 1.01347226 0.317133377 0.727926924 -6.475901073 stable

CEP63 -0.063575112 9.467656214 -1.013363054 0.317184851 0.727926924 -6.476010728 stable

LOC101927095 0.002585964 2.425844684 1.013358785 0.317186863 0.727926924 -6.476015014 stable

C12orf10 -0.047586007 9.541901908 -1.013317829 0.317206169 0.727926924 -6.476056136 stable

ASB12 /// MTMR8 0.002464715 2.17874464 1.013278729 0.317224601 0.727926924 -6.476095393 stable

GPR75 0.0149122 2.740352867 1.013174714 0.317273637 0.727926924 -6.476199816 stable

KLHDC7A 0.005002268 2.449665519 1.013168212 0.317276703 0.727926924 -6.476206344 stable

PLCXD3 0.004515896 2.9224174 1.013128313 0.317295514 0.727926924 -6.476246397 stable

OR2L2 0.001929584 2.349577884 1.013098829 0.317309415 0.727926924 -6.476275993 stable

CALCOCO1 -0.058773858 10.26268002 -1.012706894 0.317494248 0.728279911 -6.476669351 stable

EIF3LP3 /// EIF3LP3 -0.030382614 4.480117053 -1.012561917 0.317562636 0.72836575 -6.476814817 stable

KRMP1 -0.02652688 4.309307239 -1.012424676 0.317627385 0.728397619 -6.476952504 stable

DOCK4 0.017484154 3.171723581 1.012374057 0.317651268 0.728397619 -6.477003282 stable

SF3B5 -0.055282351 11.46256582 -1.012335556 0.317669435 0.728397619 -6.477041903 stable

AQP10 -0.466379562 6.699853239 -1.012125286 0.317768664 0.728439914 -6.477252804 stable

MASP1 0.004436976 2.324152874 1.012074813 0.317792486 0.728439914 -6.477303422 stable

INTS4 0.003903105 2.799783756 1.012059486 0.31779972 0.728439914 -6.477318792 stable

TTC19 -0.059008424 10.7449372 -1.012019651 0.317818522 0.728439914 -6.477358739 stable

MAGEC2 -0.025820755 2.429168641 -1.011968366 0.317842729 0.728439914 -6.477410166 stable

RPL18AP16 /// RPL18AP16 -0.04779743 7.560671469 -1.011853493 0.317896957 0.728493211 -6.477525349 stable

SIK2 0.099094279 5.178395796 1.011705607 0.317966778 0.728512414 -6.477673616 stable

BMP8A -0.011265292 2.945572308 -1.01154957 0.318040458 0.728512414 -6.477830032 stable

EML1 0.005289216 2.918472703 1.011510457 0.318058929 0.728512414 -6.477869237 stable

CHADL 0.005766849 2.672123985 1.011483147 0.318071826 0.728512414 -6.47789661 stable

KIAA0408 /// SOGA3 -0.011631758 2.303782204 -1.011429281 0.318097266 0.728512414 -6.477950598 stable

BIK -0.128037192 6.293039403 -1.011347604 0.318135843 0.728512414 -6.478032455 stable

SECISBP2 -0.063751151 9.389174453 -1.011222039 0.318195155 0.728512414 -6.478158285 stable

COX3 /// LOC101929612 -0.050217546 8.080836488 -1.011188116 0.318211181 0.728512414 -6.478192277 stable

LOC101928190 0.002692745 2.467848344 1.010937973 0.318329365 0.728512414 -6.478442895 stable

HCRT -0.012476311 2.41829868 -1.010914079 0.318340656 0.728512414 -6.478466832 stable

LCE1B 0.016408179 2.634318385 1.01087027 0.318361358 0.728512414 -6.478510717 stable

GSTTP1 0.013508796 2.775873779 1.010786208 0.318401084 0.728512414 -6.47859492 stable

ATP11C 0.042067014 9.172701878 1.010784762 0.318401767 0.728512414 -6.478596368 stable

ASB3 /// GPR75-ASB3 -0.049459649 9.827619929 -1.01070247 0.31844066 0.728512414 -6.478678792 stable

ST7-OT4 0.004123185 2.535671602 1.010666721 0.318457557 0.728512414 -6.478714597 stable

SFTPD 0.120331889 3.015394779 1.010661079 0.318460224 0.728512414 -6.478720247 stable

RTN3 -0.098373119 11.67823838 -1.010632159 0.318473893 0.728512414 -6.47874921 stable

FLI1 0.042389117 12.30006517 1.010521713 0.318526101 0.728512414 -6.478859816 stable

PCDH12 0.056891662 6.228874747 1.010518168 0.318527777 0.728512414 -6.478863366 stable

ELL2P3 /// ELL2P3 -0.003797075 2.998411071 -1.010449588 0.318560198 0.728512414 -6.478932039 stable

LUZP6 /// MTPN -0.03962522 14.13904646 -1.010434454 0.318567353 0.728512414 -6.478947193 stable

ZNF613 -0.047524024 3.721261523 -1.010393449 0.318586739 0.728512414 -6.478988251 stable

PCDH18 0.002381029 2.25064346 1.010103549 0.31872382 0.728748915 -6.47927848 stable

CXCR4 -0.157680674 13.24232376 -1.009991246 0.318776934 0.728748915 -6.479390889 stable

AC025442.3 0.012608348 2.282202128 1.009978184 0.318783113 0.728748915 -6.479403963 stable

ABHD16B -0.001930658 2.229724703 -1.009857327 0.31884028 0.728808767 -6.479524919 stable

IGSF9B 0.002512351 2.297774785 1.009678624 0.318924821 0.72889494 -6.479703744 stable

RP11-998D10.7 -0.002185896 2.217879974 -1.009560644 0.318980644 0.72889494 -6.479821789 stable

RNF148 0.002638847 2.401979125 1.009554108 0.318983737 0.72889494 -6.479828328 stable

C17orf62 -0.050417981 11.1864205 -1.009515651 0.319001935 0.72889494 -6.479866802 stable

IER5L 0.093247932 4.601670031 1.009421268 0.3190466 0.728905064 -6.479961223 stable

AL831948 /// RP1-197B17.3 0.002853964 2.242503114 1.009329968 0.31908981 0.728905064 -6.480052552 stable

DEPDC1 -0.033509144 1.994663522 -1.009309844 0.319099334 0.728905064 -6.480072681 stable

LOC101927380 0.002301427 2.351180377 1.009184274 0.319158771 0.728970039 -6.480198276 stable

RFTN2 -0.010565062 2.361884478 -1.008979744 0.319255598 0.728976707 -6.480402814 stable

STMN4 -0.018977017 2.578544229 -1.008819719 0.319331371 0.728976707 -6.480562818 stable

LOC101930602 /// SLC14A2 -0.006153698 3.122699697 -1.008738415 0.319369873 0.728976707 -6.480644102 stable

DEFB125 0.001892649 2.29613843 1.008687387 0.319394039 0.728976707 -6.480695114 stable

LOC101928343 0.177573514 7.884224437 1.008639257 0.319416834 0.728976707 -6.480743228 stable

YJEFN3 0.009900192 2.79080109 1.00860819 0.319431549 0.728976707 -6.480774282 stable

AJAP1 0.001733206 2.16046416 1.008479295 0.319492602 0.728976707 -6.480903117 stable

EXD3 -0.032886875 3.277212031 -1.00842585 0.31951792 0.728976707 -6.480956533 stable

LOC100128175 0.003289525 2.318701571 1.00835431 0.319551812 0.728976707 -6.481028029 stable

LCLAT1 0.105739593 9.649823252 1.008309477 0.319573053 0.728976707 -6.481072832 stable

REEP6 0.023195236 3.217719224 1.008304502 0.31957541 0.728976707 -6.481077804 stable

ITGA3 -0.025631072 2.673938227 -1.008304135 0.319575583 0.728976707 -6.48107817 stable

MECR -0.077018014 6.516221546 -1.008166065 0.319641003 0.728976707 -6.481216135 stable

LRRC37A16P /// LRRC37A16P 0.007975936 2.843637966 1.008105197 0.319669847 0.728976707 -6.481276952 stable

ASIC1 -0.079367592 2.849298215 -1.008079501 0.319682024 0.728976707 -6.481302625 stable

LOC102725345 -0.004211488 2.954627608 -1.008023124 0.319708741 0.728976707 -6.481358949 stable

TBCK 0.057846626 8.924407638 1.008020803 0.319709841 0.728976707 -6.481361268 stable

ATP5J2 0.093962248 4.568594455 1.008000301 0.319719558 0.728976707 -6.481381751 stable

LOC102724356 -0.140820181 9.89185551 -1.007844306 0.319793494 0.728983688 -6.481537582 stable

C11orf40 0.001641254 2.226238053 1.007841282 0.319794927 0.728983688 -6.481540602 stable

RP11-472K22.1 0.004552618 2.359338913 1.007745182 0.319840482 0.728983688 -6.481636589 stable

IVD 0.001579837 2.197710648 1.0077253 0.319849907 0.728983688 -6.481656447 stable

ARHGEF10L 0.110469934 3.638481526 1.00766692 0.319877584 0.728983688 -6.481714754 stable

TRAPPC5 -0.077095129 10.85570498 -1.007565601 0.31992562 0.729022525 -6.481815936 stable

RNF114 -0.030116636 10.43524059 -1.007441935 0.319984258 0.729085512 -6.481939424 stable

BICD1 -0.147203871 4.849771618 -1.007303089 0.320050103 0.729107109 -6.482078052 stable

EN1 0.001914058 2.271718491 1.006963493 0.320211189 0.729107109 -6.482417039 stable

LINC01191 0.001594959 2.170640466 1.006920653 0.320231514 0.729107109 -6.482459795 stable

EXOSC10 -0.031854049 2.664858608 -1.006879848 0.320250874 0.729107109 -6.482500517 stable

RNF43 -0.016576845 2.82627598 -1.006825382 0.320276717 0.729107109 -6.482554871 stable

ASPDH -0.006962908 2.907183593 -1.006736752 0.320318773 0.729107109 -6.482643314 stable

15-Sep 0.047887076 12.06657983 1.006685369 0.320343157 0.729107109 -6.482694585 stable

RNF115 0.054869796 10.03268398 1.006651392 0.320359281 0.729107109 -6.482728485 stable

DIAPH1 0.055388031 3.556804235 1.006646673 0.320361521 0.729107109 -6.482733194 stable

CDC42EP4 0.175020762 4.377506812 1.006550331 0.320407244 0.729107109 -6.482829315 stable

AX747405 0.038466948 3.306980882 1.006506277 0.320428154 0.729107109 -6.482873265 stable

LINC01300 -0.005922709 3.125807183 -1.006487001 0.320437303 0.729107109 -6.482892494 stable

LOC101928087 0.009407449 2.549230134 1.006485621 0.320437958 0.729107109 -6.482893871 stable

N4BP2L1 0.002347283 2.263948456 1.006448849 0.320455413 0.729107109 -6.482930554 stable

RNASE11 0.002463036 2.484697888 1.006417783 0.320470159 0.729107109 -6.482961544 stable

ALOXE3 -0.002083689 2.186800784 -1.006331228 0.320511247 0.729107109 -6.483047882 stable

MUC17 -0.008507269 2.632052536 -1.006298053 0.320526996 0.729107109 -6.483080972 stable

NGB -0.037022714 3.051596905 -1.006242396 0.32055342 0.729107109 -6.483136484 stable

COL26A1 -0.051530655 2.60503534 -1.006136885 0.320603516 0.729107109 -6.483241712 stable

TMEM132A -0.012856922 2.54996872 -1.006115439 0.320613699 0.729107109 -6.4832631 stable

CRISPLD2 -0.03412468 3.119417981 -1.006002822 0.320667176 0.729158223 -6.483375401 stable

PLA2G4C 0.031297227 3.195574256 1.005734089 0.320794811 0.729377935 -6.483643332 stable

KCNJ16 0.002205977 2.461384437 1.005650627 0.320834458 0.729397573 -6.483726532 stable

LOC284669 0.03220638 4.198651281 1.005527272 0.320893061 0.729460298 -6.483849487 stable

LOC100507419 0.014168875 2.526395247 1.005408509 0.320949491 0.729469604 -6.483967851 stable

DYRK1A 0.051777235 12.1516359 1.005331205 0.320986225 0.729469604 -6.484044889 stable

BC043223 /// RP1-274L7.1 0.001520249 2.133286398 1.005254972 0.321022452 0.729469604 -6.484120853 stable

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JAZF1-AS1 0.003449977 2.680460429 1.004929198 0.321177299 0.729469604 -6.484445417 stable

IGF2 /// INS-IGF2 0.003642857 2.610042945 1.004894126 0.321193972 0.729469604 -6.484480354 stable

LOC101928487 -0.050162474 2.97758895 -1.004872844 0.32120409 0.729469604 -6.484501552 stable

ST13 -0.047365659 13.03702741 -1.004860101 0.321210148 0.729469604 -6.484514245 stable

COPS7B -0.044916009 8.480401703 -1.004759489 0.321257985 0.729469604 -6.484614457 stable

CSNK1E -0.062570476 7.507880962 -1.004714652 0.321279304 0.729469604 -6.484659112 stable

LEPR -0.003770542 2.411326695 -1.004608449 0.321329807 0.729469604 -6.484764878 stable

APTR 0.085175709 6.557039619 1.004558315 0.321353649 0.729469604 -6.484814803 stable

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DENND6B -0.005225364 2.703526943 -1.004384239 0.321436442 0.729469604 -6.48498813 stable

TBX18 0.008991806 3.149655742 1.004380348 0.321438293 0.729469604 -6.484992005 stable

FGFR4 -0.016613191 2.899349848 -1.004373629 0.321441488 0.729469604 -6.484998694 stable

ENPP6 0.006886974 3.02059005 1.004344385 0.321455399 0.729469604 -6.485027809 stable

NKTR -0.112192915 5.316725863 -1.004218326 0.321515366 0.729482164 -6.485153304 stable

RP11-347D21.1 0.002188208 2.611673252 1.00420236 0.321522962 0.729482164 -6.485169198 stable

MAB21L3 0.005151715 2.833078735 1.003970311 0.321633371 0.729662279 -6.485400166 stable

PTPDC1 -0.049027335 5.421586056 -1.003830738 0.321699792 0.729708574 -6.485539064 stable

HOXA4 0.011751077 2.85714087 1.00379705 0.321715825 0.729708574 -6.485572587 stable

HCN4 0.001545186 2.21932588 1.003674114 0.321774338 0.72977092 -6.48569491 stable

LRRC2-AS1 0.001661062 2.14083927 1.003588726 0.321814985 0.729792735 -6.485779864 stable

COX4I1 -0.028235589 13.32252782 -1.003395316 0.321907064 0.729921663 -6.485972265 stable

AGR2 0.003915113 2.454332229 1.003331459 0.321937469 0.729921663 -6.486035781 stable

ACN9 -0.058276134 6.799416842 -1.003233795 0.321983975 0.729921663 -6.486132917 stable

FAM49A 0.169302561 9.997665067 1.003208611 0.321995968 0.729921663 -6.486157963 stable

EDA -0.015849112 2.241198392 -1.003068826 0.322062541 0.729940103 -6.486296971 stable

COL14A1 0.00655964 2.88393229 1.003050608 0.322071218 0.729940103 -6.486315087 stable

FLJ38576 0.001556324 2.220483209 1.002996051 0.322097204 0.729940103 -6.486369335 stable

POU4F2 0.001853146 2.081762478 1.002860835 0.322161614 0.730015735 -6.486503774 stable

IGFBP4 -0.095403374 5.688570403 -1.002794794 0.322193076 0.730016699 -6.48656943 stable

DGKG -0.111178125 6.217595124 -1.002686266 0.322244784 0.730063529 -6.486677315 stable

KCNT2 0.002149135 2.425214005 1.002509293 0.322329113 0.730117732 -6.486853216 stable

AC078883.3 /// AC078883.4 -0.008428493 2.055152632 -1.002505773 0.322330791 0.730117732 -6.486856714 stable

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DHRS12 -0.057982614 7.813044878 -1.002148698 0.322500987 0.73032015 -6.487211535 stable

MIR1236 /// NELFE -0.060577862 10.06650976 -1.002122864 0.322513303 0.73032015 -6.487237201 stable

ELOVL4 0.14646876 3.9570299 1.001759308 0.322686655 0.730342627 -6.48759833 stable

DNAJC24 0.093874076 5.324855047 1.0017306 0.322700347 0.730342627 -6.487626841 stable

AES 0.072157777 12.60160968 1.001600204 0.32276254 0.730342627 -6.487756333 stable

USP34 -0.149663375 10.34524078 -1.001570011 0.322776942 0.730342627 -6.487786315 stable

EPHX3 0.003097334 2.207468014 1.00148028 0.322819745 0.730342627 -6.487875411 stable

PIM2 0.078425864 9.592281066 1.001388006 0.322863766 0.730342627 -6.487967026 stable

IMMP1L 0.108078192 7.449750169 1.001292687 0.322909244 0.730342627 -6.488061654 stable

LOC101929248 0.003037465 2.345915014 1.001287293 0.322911818 0.730342627 -6.488067009 stable

PXK -0.059770556 9.708707167 -1.00126117 0.322924282 0.730342627 -6.488092941 stable

TXLNGY 0.00445584 2.998036718 1.001211618 0.322947926 0.730342627 -6.488142129 stable

DAZAP2 -0.017470507 14.38979705 -1.001176133 0.322964859 0.730342627 -6.488177353 stable

BTBD19 0.121518798 2.774659601 1.001149816 0.322977418 0.730342627 -6.488203475 stable

CYP7A1 0.005357203 2.881305324 1.001131834 0.322985999 0.730342627 -6.488221323 stable

FBXW5 0.060978675 9.28640307 1.001120311 0.322991498 0.730342627 -6.488232761 stable

WBSCR17 -0.018513484 2.252159161 -1.001073441 0.323013866 0.730342627 -6.48827928 stable

TMEM126A -0.054191891 10.31623413 -1.001060504 0.32302004 0.730342627 -6.48829212 stable

ITGB2-AS1 -0.161097398 9.005622862 -1.00097675 0.323060012 0.730362798 -6.488375242 stable

PCMT1 0.037674228 11.28371685 1.000655838 0.323213204 0.730560192 -6.488693673 stable

KIAA1045 0.014458473 2.957020164 1.000642836 0.323219411 0.730560192 -6.488706572 stable

FLJ16734 -0.046554815 3.44732177 -1.000514454 0.323280711 0.730560192 -6.488833933 stable

LOC100505915 -0.164502428 9.121534425 -1.000441776 0.323315416 0.730560192 -6.488906025 stable

C2orf50 0.001977347 2.426332197 1.000419356 0.323326122 0.730560192 -6.488928263 stable

SIX5 0.022832286 2.091627584 1.000323372 0.323371962 0.730560192 -6.489023465 stable

TNRC18 -0.015601807 3.207324475 -1.000313462 0.323376695 0.730560192 -6.489033294 stable

DNAJC22 -0.004786575 2.216765713 -1.000273451 0.323395805 0.730560192 -6.489072976 stable

RMDN1 -0.052848773 9.834635677 -1.000136043 0.323461438 0.730591168 -6.489209242 stable

SLC22A24 -0.010089772 2.508744809 -1.000114689 0.323471639 0.730591168 -6.489230417 stable

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LOC101927468 /// LOC101929257 /// LOC102724558 0.00284395 2.765326101 0.999705178 0.323667301 0.730822559 -6.489636412 stable

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MIR6875 /// TRIP6 -0.00374351 2.790795709 -0.999357797 0.323833341 0.730984278 -6.489980687 stable

FUNDC1 0.05488882 9.132852803 0.999271886 0.323874413 0.730984278 -6.490065812 stable

COPZ1 -0.031240063 10.84268195 -0.999258668 0.323880733 0.730984278 -6.490078908 stable

ZFYVE9 -0.046091181 2.838608389 -0.999220097 0.323899174 0.730984278 -6.490117123 stable

UBALD2 -0.076025278 11.21087272 -0.99912481 0.323944735 0.730984278 -6.490211526 stable

COBL 0.009800033 2.730834199 0.999100271 0.323956469 0.730984278 -6.490235836 stable

LOC101928386 0.006590411 2.926404087 0.998735637 0.324130862 0.731266255 -6.490596998 stable

BOLA2 /// LOC101060386 /// SMG1 0.084254586 5.781784614 0.998708978 0.324143615 0.731266255 -6.490623399 stable

TBCB 0.047102349 10.98231421 0.998585812 0.324202537 0.731329038 -6.490745361 stable

FAM133B /// FAM133DP -0.05982356 9.637447118 -0.998375807 0.32430302 0.73136115 -6.49095328 stable

ANXA2P1 -0.015035885 2.971431123 -0.998370545 0.324305538 0.73136115 -6.490958489 stable

APOA5 0.001679126 2.232428884 0.998361107 0.324310055 0.73136115 -6.490967833 stable

EMC1 -0.05847561 7.442941296 -0.998278578 0.324349549 0.731380093 -6.491049529 stable

RAD23B 0.041633319 12.21579541 0.998163311 0.324404716 0.731434368 -6.491163623 stable

TRPC5 0.004784632 2.872907512 0.998094452 0.324437675 0.731438565 -6.491231775 stable

LOC101927438 -0.001898157 2.202270333 -0.997873855 0.324543278 0.731556598 -6.491450078 stable

FAM71B 0.002827084 2.427653176 0.997855148 0.324552234 0.731556598 -6.491468588 stable

TAF2 0.083104198 7.925744168 0.997628988 0.324660527 0.731730572 -6.491692345 stable

TRIM14 0.075301896 8.785457765 0.997399855 0.324770268 0.731907777 -6.491918994 stable

LOC101927021 -0.0765621 2.355885475 -0.997291476 0.324822184 0.731934981 -6.492026181 stable

MGC39545 0.005509673 2.907718928 0.997206911 0.324862696 0.731934981 -6.492109808 stable

HBP1 0.083841044 7.291941202 0.997179779 0.324875694 0.731934981 -6.492136637 stable

P2RX2 -0.022738153 2.178778624 -0.99686345 0.325027271 0.732148534 -6.49244939 stable

TMEM163 0.121114947 3.884209344 0.996852046 0.325032736 0.732148534 -6.492460663 stable

TNFRSF17 -0.33768202 7.850657998 -0.996561545 0.325171981 0.732277447 -6.492747794 stable

CAPNS2 0.010546545 2.064104757 0.996507753 0.32519777 0.732277447 -6.492800954 stable

STYX -0.074280504 9.65157773 -0.996328203 0.325283857 0.732277447 -6.492978371 stable

LINC01013 0.011123942 3.292588416 0.996327735 0.325284082 0.732277447 -6.492978834 stable

PODN 0.009080599 2.66107132 0.996303343 0.325295778 0.732277447 -6.493002933 stable

RP11-690I21.2 0.125630756 2.381378255 0.99627109 0.325311244 0.732277447 -6.4930348 stable

DKKL1 -0.008140146 2.481517039 -0.996227181 0.3253323 0.732277447 -6.49307818 stable

RRAD 0.004509975 2.731672841 0.996213148 0.32533903 0.732277447 -6.493092045 stable

GAS1 0.003618779 2.625898889 0.995588332 0.32563876 0.732768544 -6.493709136 stable

FAM186A 0.009646458 3.297020393 0.995533386 0.325665127 0.732768544 -6.493763386 stable

DHCR7 -0.089942239 7.296360992 -0.995527731 0.325667841 0.732768544 -6.493768969 stable

SRSF12 0.009437031 2.855999321 0.995498578 0.325681832 0.732768544 -6.493797751 stable

CATSPER2 /// CATSPER2P1 /// LOC101930343 -0.055539384 2.734102658 -0.995412266 0.325723255 0.732791648 -6.49388296 stable

C9orf57 0.002091629 2.380794098 0.995306044 0.325774238 0.732812762 -6.493987814 stable

HNF4A-AS1 0.008876047 3.140021346 0.995163807 0.325842516 0.732812762 -6.494128204 stable

C4orf22 0.002857038 2.637403209 0.995159776 0.325844451 0.732812762 -6.494132183 stable

RGN -0.004687976 2.557805777 -0.995133089 0.325857263 0.732812762 -6.494158521 stable

MARVELD3 0.001807338 2.355452922 0.995001681 0.325920353 0.73283988 -6.494288202 stable

VIL1 0.015389521 2.730951925 0.994978184 0.325931635 0.73283988 -6.494311388 stable

ICT1 -0.053103293 9.538383912 -0.994809451 0.326012659 0.732889646 -6.494477875 stable

CALML5 0.019327467 2.374221278 0.994743805 0.326044186 0.732889646 -6.494542641 stable

KIF5A 0.001443183 1.777427809 0.994737433 0.326047245 0.732889646 -6.494548926 stable

HNRNPU-AS1 -0.115644769 10.27116784 -0.994579007 0.326123338 0.732990639 -6.494705209 stable

ALX3 -0.011541922 2.391921585 -0.994348168 0.326234233 0.73316298 -6.494932882 stable

ERO1L -0.095492454 9.274296517 -0.994289632 0.326262357 0.73316298 -6.494990608 stable

FBXO44 -0.046706255 6.638345499 -0.994005487 0.326398903 0.733256538 -6.495270771 stable

C6orf99 0.001553938 2.090639639 0.994000858 0.326401127 0.733256538 -6.495275334 stable

CLSPN 0.002324991 2.53748391 0.99395567 0.326422846 0.733256538 -6.495319882 stable

LOC102723847 -0.004451572 2.625243789 -0.993943513 0.32642869 0.733256538 -6.495331867 stable

TSPYL5 -0.128668269 7.305756363 -0.993863124 0.326467329 0.733273305 -6.49541111 stable

LHFPL4 -0.016415575 2.281715133 -0.99374794 0.3265227 0.733327644 -6.495524643 stable

GRIA2 0.001822139 2.286981144 0.993629782 0.326579506 0.733330613 -6.495641094 stable

LRRC69 -0.13156587 6.742397433 -0.993588831 0.326599196 0.733330613 -6.495681451 stable

C17orf100 0.12060678 4.599855104 0.993550649 0.326617554 0.733330613 -6.495719077 stable

IDH1 0.142877745 10.31059043 0.993424409 0.326678259 0.733371789 -6.495843469 stable

NCAM2 0.002684707 2.398472314 0.993382833 0.326698253 0.733371789 -6.495884434 stable

SLC9C2 0.007436076 3.171110204 0.993190018 0.326790989 0.73340998 -6.49607439 stable

MIR6751 /// SYVN1 -0.054554437 9.892360633 -0.993095613 0.3268364 0.73340998 -6.496167383 stable

ZNF146 0.03749169 9.400747612 0.993027145 0.326869338 0.73340998 -6.496234822 stable

WAC-AS1 -0.073924625 9.434792836 -0.99296898 0.326897321 0.73340998 -6.496292109 stable

DNASE1 -0.079167174 6.294114955 -0.992943113 0.326909766 0.73340998 -6.496317585 stable

UBE2G2 -0.09724007 10.93489811 -0.992921401 0.326920213 0.73340998 -6.496338968 stable

FGFRL1 0.087477318 6.661098936 0.992893716 0.326933533 0.73340998 -6.496366233 stable

AIFM2 0.063697617 2.535756999 0.992717501 0.327018326 0.733450517 -6.496539756 stable

LOC100133131 0.008627584 2.922208853 0.992661675 0.327045192 0.733450517 -6.496594722 stable

UBQLN2 0.064133949 12.08056227 0.992487433 0.327129054 0.733450517 -6.496766265 stable

TTC9B 0.002717831 2.345650519 0.992464049 0.32714031 0.733450517 -6.496789285 stable

ST14 -0.139234639 8.681270725 -0.992436312 0.327153662 0.733450517 -6.496816588 stable

SRP19 0.036541796 11.29500666 0.992402852 0.327169769 0.733450517 -6.496849525 stable

ALS2CR11 0.005969068 2.718373848 0.992402614 0.327169883 0.733450517 -6.496849759 stable

DEPDC4 0.010453321 2.926299881 0.992143604 0.327294582 0.733486432 -6.497104683 stable

SYCE1L -0.033293429 5.464221438 -0.992059873 0.3273349 0.733486432 -6.497187079 stable

ATN1 -0.009901449 2.694634361 -0.992017486 0.327355312 0.733486432 -6.497228788 stable

SETBP1 -0.091872988 8.02558144 -0.991983496 0.327371681 0.733486432 -6.497262233 stable

ZNF3 0.058519051 8.298594166 0.991974165 0.327376175 0.733486432 -6.497271414 stable

ANGPTL3 0.004311004 2.749076381 0.991851006 0.32743549 0.733486432 -6.497392588 stable

SPATA8 -0.010253163 2.13253503 -0.991822571 0.327449186 0.733486432 -6.497420563 stable

HESX1 0.018191892 2.756610181 0.991791777 0.327464018 0.733486432 -6.497450857 stable

ZIC2 0.005137747 2.792500819 0.991743803 0.327487127 0.733486432 -6.497498051 stable

RSRC1 0.115342993 5.484575497 0.991721755 0.327497747 0.733486432 -6.49751974 stable

PCA3 0.001967525 2.22341722 0.991622875 0.327545381 0.733503163 -6.497617004 stable

CST5 -0.034132651 2.71773002 -0.99155176 0.327579642 0.733503163 -6.497686951 stable

HNRNPM -0.122540662 6.290566313 -0.991512053 0.327598773 0.733503163 -6.497726004 stable

LINC00667 -0.113375215 8.230502364 -0.991284662 0.327708344 0.733612307 -6.497949619 stable

SRD5A2 -0.007357376 3.146731726 -0.991243825 0.327728024 0.733612307 -6.497989774 stable

ZNF317 0.057751593 8.164219667 0.991205729 0.327746385 0.733612307 -6.498027231 stable

LOC100506844 0.032823688 3.868843528 0.991012469 0.327839536 0.733612307 -6.498217229 stable

NEFH 0.12217517 4.774726922 0.990945064 0.327872029 0.733612307 -6.498283489 stable

OSBPL9 -0.03121674 10.82143475 -0.990934904 0.327876927 0.733612307 -6.498293475 stable

LOC100996681 0.017518052 4.159622174 0.99084621 0.327919687 0.733612307 -6.498380654 stable

CYAT1 -0.011232455 3.570465549 -0.990750858 0.327965661 0.733612307 -6.49847437 stable

LOC101928697 0.008148182 2.846385885 0.990708934 0.327985876 0.733612307 -6.498515572 stable

MBD2 -0.054087208 12.47557866 -0.990688786 0.327995591 0.733612307 -6.498535372 stable

LOC101928729 0.016151315 2.260712132 0.990671071 0.328004134 0.733612307 -6.498552781 stable

MSS51 -0.105343907 5.62168115 -0.990634446 0.328021795 0.733612307 -6.498588772 stable

KRT3 -0.002903595 2.459844444 -0.990543117 0.328065838 0.733641051 -6.498678515 stable

LOC339593 0.004060091 2.466130365 0.990381433 0.328143819 0.733657112 -6.498837371 stable

C21orf90 -0.017621295 2.410724161 -0.990371115 0.328148796 0.733657112 -6.498847508 stable

LOC101927089 0.004842542 2.838432496 0.990334217 0.328166595 0.733657112 -6.498883758 stable

FOXD2 0.022404923 2.576199498 0.99021518 0.328224018 0.733704889 -6.499000692 stable

Igk -0.001699198 2.042979948 -0.990160594 0.328250353 0.733704889 -6.49905431 stable

AP5M1 -0.14499054 3.379169744 -0.990016547 0.328319853 0.733790505 -6.499195787 stable

SDHAP1 /// SDHAP2 -0.027315564 10.06559762 -0.989925607 0.328363736 0.733818854 -6.499285096 stable

GRIN2C -0.012535369 2.972479971 -0.989616514 0.328512917 0.73389949 -6.499588582 stable

PLCB3 -0.06062153 6.148510567 -0.989572399 0.328534212 0.73389949 -6.49963189 stable

KRT76 0.001937523 2.279315903 0.9895709 0.328534936 0.73389949 -6.499633362 stable

PTCHD2 -0.011075913 2.830626907 -0.989548581 0.32854571 0.73389949 -6.499655271 stable

ETV2 0.027471083 3.913668894 0.989527622 0.328555828 0.73389949 -6.499675846 stable

MED1 -0.046989269 8.409071132 -0.989459135 0.328588891 0.733903648 -6.499743072 stable

INSL4 -0.007833076 2.448194053 -0.989274452 0.328678063 0.73402205 -6.499924336 stable

RP1-101G11.2 -0.033084413 3.53977876 -0.989193057 0.328717368 0.73402205 -6.500004214 stable

RP11-320N7.2 0.002867267 2.564121653 0.989086734 0.328768716 0.73402205 -6.500108545 stable

PTPRN2 0.201377763 5.324290722 0.988957694 0.328831042 0.73402205 -6.500235154 stable

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PAFAH1B3 -0.073571994 7.405627849 -0.988887011 0.328865185 0.73402205 -6.500304498 stable

ARX -0.0353749 3.403117595 -0.988857852 0.328879271 0.73402205 -6.500333103 stable

C12orf79 -0.153516736 3.726079508 -0.988832413 0.32889156 0.73402205 -6.500358059 stable

PSKH1 0.081428728 7.714494131 0.988603074 0.329002363 0.734097936 -6.500583011 stable

CSN3 0.002258023 2.502814357 0.988581084 0.329012989 0.734097936 -6.500604578 stable

RHCE /// RHD -0.044796834 1.909847413 -0.988568245 0.329019193 0.734097936 -6.50061717 stable

MED12 0.029228457 9.218278315 0.988430289 0.32908586 0.734177038 -6.500752458 stable

OK/SW-CL.36 0.00163306 2.138850262 0.988282996 0.329157049 0.7342238 -6.500896883 stable

FHIT -0.20892045 7.927833071 -0.988201404 0.329196488 0.7342238 -6.500976878 stable

ADH5 0.052740996 10.73074079 0.988155536 0.329218661 0.7342238 -6.501021846 stable

FLJ33360 -0.016763797 2.4406446 -0.988087511 0.329251546 0.7342238 -6.501088531 stable

MAGI1-IT1 0.003783196 2.217233416 0.988043917 0.329272622 0.7342238 -6.501131264 stable

RP11-440I14.2 -0.012116058 2.119710416 -0.987999462 0.329294115 0.7342238 -6.501174839 stable

SPEN 0.055879712 8.72580698 0.987905861 0.329339371 0.734255105 -6.501266582 stable

PIGQ -0.094650642 5.819568628 -0.987723048 0.329427775 0.734382589 -6.501445743 stable

BC041484 /// RP11-90K6.1 0.033206832 3.7761291 0.987424282 0.329572285 0.734635114 -6.501738471 stable

CACNA1A /// LOC100507353 0.013322399 3.642673593 0.987259561 0.329651978 0.734743122 -6.501899828 stable

C5orf46 -0.00636249 2.259600784 -0.987180055 0.329690447 0.734759239 -6.501977701 stable

PARP8 0.0803154 11.13237895 0.986953128 0.329800265 0.734934347 -6.502199934 stable

GLB1L -0.169612295 5.517106354 -0.986850627 0.329849876 0.734949784 -6.502300299 stable

FSTL5 0.003954367 2.803228852 0.986809703 0.329869685 0.734949784 -6.502340366 stable

C8orf66 -0.009114156 2.364179327 -0.986738911 0.329903954 0.734956516 -6.502409675 stable

CAMSAP2 -0.089467552 5.184693485 -0.986631051 0.329956171 0.735003228 -6.502515265 stable

LGI3 -0.017469456 2.32201112 -0.986491853 0.330023567 0.735016 -6.502651517 stable

RP11-45M22.5 0.003433715 2.138922595 0.986383991 0.330075797 0.735016 -6.502757084 stable

FCRL5 -0.013121815 2.078866975 -0.986365614 0.330084696 0.735016 -6.502775069 stable

GS1-124K5.11 -0.23286054 4.90141737 -0.98636106 0.330086901 0.735016 -6.502779525 stable

LOC101927849 -0.004088144 2.481041986 -0.986182183 0.330173534 0.735089967 -6.502954568 stable

PPP1R15A -0.161673421 9.93602695 -0.986163416 0.330182624 0.735089967 -6.502972932 stable

DGKQ 0.061363833 5.228412374 0.985900442 0.330310016 0.735169112 -6.503230209 stable

MRPL36 0.064828078 10.18016133 0.985769718 0.330373354 0.735169112 -6.503358077 stable

LOC100505811 0.003222759 2.550070852 0.98571087 0.33040187 0.735169112 -6.503415634 stable

LOC400655 0.007507613 2.706889806 0.985650396 0.330431175 0.735169112 -6.503474778 stable

SFRP4 -0.001770973 2.094944463 -0.985609189 0.330451145 0.735169112 -6.503515077 stable

ERICH4 -0.012022225 2.767815495 -0.985543296 0.33048308 0.735169112 -6.503579514 stable

RASA3 0.090708212 9.4798654 0.985530092 0.330489479 0.735169112 -6.503592426 stable

ANXA2P3 -0.038660781 2.949022671 -0.985513881 0.330497336 0.735169112 -6.503608278 stable

TNS3 -0.12842086 9.734376197 -0.985501319 0.330503424 0.735169112 -6.503620561 stable

EIF2S1 0.049726452 9.469005669 0.985444978 0.330530733 0.735169112 -6.503675652 stable

LOC390705 -0.033415846 6.057759656 -0.985213266 0.330643058 0.735349411 -6.503902192 stable

LOC101243545 /// SNORD4A -0.058829364 9.611031179 -0.985092676 0.330701526 0.735409907 -6.50402007 stable

GBA3 -0.023607264 2.832768977 -0.985011166 0.33074105 0.735428269 -6.504099739 stable

LOC388210 /// LOC400499 -0.060808418 5.21843146 -0.984879802 0.330804754 0.735500389 -6.504228122 stable

DRD2 -0.026590651 2.128590827 -0.984614807 0.330933288 0.735502639 -6.504487057 stable

ANKRD34A 0.023005722 2.539148754 0.984604839 0.330938123 0.735502639 -6.504496795 stable

LOC101928687 -0.003513171 2.402517518 -0.984507905 0.330985149 0.735502639 -6.504591494 stable

CAD -0.005899422 2.502844309 -0.984507666 0.330985265 0.735502639 -6.504591727 stable

NXF3 -0.011748768 2.986830646 -0.984497792 0.330990055 0.735502639 -6.504601373 stable

U47924.29 -0.001736006 2.156054387 -0.984490927 0.330993386 0.735502639 -6.50460808 stable

FOXS1 0.008746405 3.066209367 0.984275536 0.331097897 0.735521153 -6.50481847 stable

EFNA2 0.002456107 2.454595299 0.984073859 0.331195774 0.735521153 -6.505015426 stable

FAM19A5 0.005272086 2.662449565 0.983933726 0.331263794 0.735521153 -6.505152255 stable

LOC102725263 /// LOC389906 -0.045644721 3.435978798 -0.983928363 0.331266397 0.735521153 -6.505157491 stable

FGD2 -0.14593842 11.36980876 -0.983915234 0.331272771 0.735521153 -6.50517031 stable

ACOT6 0.003361935 2.627914879 0.983796848 0.331330243 0.735521153 -6.505285888 stable

PDCL2 0.006862001 3.017289717 0.983646542 0.331403221 0.735521153 -6.50543261 stable

DES -0.060891148 3.299712279 -0.983530478 0.331459582 0.735521153 -6.505545894 stable

CDIPT-AS1 0.006883546 2.389883336 0.983422612 0.331511966 0.735521153 -6.505651162 stable

SPSB4 -0.0281515 2.59454488 -0.983336212 0.33155393 0.735521153 -6.505735474 stable

NUDT19 0.050860729 9.363795396 0.98331696 0.331563282 0.735521153 -6.505754261 stable

PLSCR4 0.003376512 2.380651019 0.983288761 0.331576978 0.735521153 -6.505781776 stable

TMEM100 0.00428451 2.716695338 0.983233684 0.331603732 0.735521153 -6.505835516 stable

TBX1 -0.030895873 4.398111976 -0.983158778 0.33164012 0.735521153 -6.505908599 stable

FAM71F1 0.015863238 3.093640868 0.983094413 0.33167139 0.735521153 -6.505971393 stable

LOC100507507 -0.071049124 6.40799627 -0.983086759 0.331675109 0.735521153 -6.505978861 stable

CRNDE 0.019303982 2.769406492 0.983080718 0.331678043 0.735521153 -6.505984754 stable

SPAST 0.110188361 9.015512305 0.983033831 0.331700823 0.735521153 -6.506030494 stable

HIST1H4PS1 /// HIST1H4PS1 0.002812937 2.422790696 0.983000161 0.331717183 0.735521153 -6.506063339 stable

SLC27A2 0.091676944 3.812721873 0.982989643 0.331722293 0.735521153 -6.506073598 stable

CNP -0.035471984 3.483158869 -0.98297057 0.33173156 0.735521153 -6.506092203 stable

MOGAT2 -0.016128746 2.629843989 -0.982936468 0.331748131 0.735521153 -6.506125468 stable

KIAA1244 0.002012739 2.278044575 0.982868723 0.331781049 0.735521153 -6.506191545 stable

CCDC58 -0.297992213 6.221112633 -0.982848948 0.331790659 0.735521153 -6.506210832 stable

SPATA41 -0.001864728 2.067055143 -0.982827781 0.331800945 0.735521153 -6.506231477 stable

C9orf3 0.018148944 4.127845003 0.982762541 0.33183265 0.735521153 -6.506295105 stable

12-Sep -0.021833398 2.317098021 -0.982731927 0.331847528 0.735521153 -6.506324961 stable

ANAPC7 -0.058680069 7.875099182 -0.982612977 0.331905342 0.735521153 -6.506440958 stable

ZNF77 0.025996897 3.647309654 0.982562403 0.331929925 0.735521153 -6.506490272 stable

KIF1A -0.017174295 2.611561996 -0.982498938 0.331960775 0.735521153 -6.506552153 stable

PRELID2 -0.023611815 4.024680257 -0.982444778 0.331987104 0.735521153 -6.506604957 stable

CKMT1A /// CKMT1B -0.00498455 2.475541836 -0.982413346 0.332002385 0.735521153 -6.506635602 stable

C21orf58 0.001476939 1.873365974 0.982218934 0.332096908 0.735567111 -6.506825121 stable

SHH -0.011424145 2.319986159 -0.982158818 0.33212614 0.735567111 -6.506883716 stable

SP7 -0.00446672 2.3264188 -0.982132469 0.332138954 0.735567111 -6.506909399 stable

CYP2W1 -0.01324167 2.805877031 -0.982082864 0.332163077 0.735567111 -6.506957746 stable

POLQ 0.002207574 2.28742416 0.982016146 0.332195524 0.735567111 -6.507022768 stable

DEFA5 0.001592928 1.9382305 0.981959996 0.332222833 0.735567111 -6.507077487 stable

C12orf56 0.002917987 2.499056514 0.98187106 0.33226609 0.735567111 -6.507164151 stable

FUT9 0.007639597 3.078909128 0.981837089 0.332282615 0.735567111 -6.507197252 stable

CTC-384G19.1 0.010461756 3.313228692 0.981791926 0.332304584 0.735567111 -6.507241257 stable

PPP1R16B 0.089537897 9.808785083 0.981718855 0.332340131 0.735576571 -6.50731245 stable

MIF4GD -0.044884658 10.19502577 -0.981509056 0.332442206 0.735632374 -6.50751683 stable

APOO 0.085951088 7.665870546 0.981175383 0.332604595 0.735632374 -6.507841799 stable

HLA-DPB1 -0.087860587 13.37973236 -0.981144039 0.332619852 0.735632374 -6.507872321 stable

RP3-525N10.2 -0.354395449 4.873215054 -0.981031963 0.332674409 0.735632374 -6.507981445 stable

NIM1K -0.024503136 2.688698289 -0.980989389 0.332695135 0.735632374 -6.508022896 stable

CPA1 0.002625005 2.608053369 0.980980671 0.33269938 0.735632374 -6.508031384 stable

KIF24 0.008208043 2.912226728 0.980867669 0.332754397 0.735632374 -6.508141393 stable

GPX2 -0.003890742 2.551610037 -0.98077544 0.332799304 0.735632374 -6.508231171 stable

UNC5A -0.001465492 2.011450582 -0.980731093 0.332820899 0.735632374 -6.508274337 stable

SMARCE1P2 /// SMARCE1P2 -0.073689045 3.972178444 -0.980690366 0.332840732 0.735632374 -6.508313977 stable

B4GALNT1 0.002384091 2.641298917 0.980678119 0.332846696 0.735632374 -6.508325896 stable

MTRF1 -0.094358956 8.823521843 -0.98065154 0.33285964 0.735632374 -6.508351766 stable

ANKRD31 0.006152348 2.820571973 0.980585657 0.332891726 0.735632374 -6.508415885 stable

SLC39A14 0.00153736 2.292491723 0.980569542 0.332899575 0.735632374 -6.508431568 stable

MPPED2 0.1268639 2.875029868 0.980566592 0.332901011 0.735632374 -6.508434439 stable

LOC101928663 0.004605701 2.392673466 0.980489518 0.332938551 0.735632374 -6.508509442 stable

MORN2 -0.110247149 3.774067539 -0.980439457 0.332962935 0.735632374 -6.508558156 stable

LINC01098 0.00307069 2.503052231 0.980424895 0.332970028 0.735632374 -6.508572326 stable

COG4 -0.056082245 8.711872481 -0.980386411 0.332988774 0.735632374 -6.508609772 stable

MLLT3 -0.281313104 8.392672533 -0.980382141 0.332990854 0.735632374 -6.508613927 stable

LINC00563 -0.003109492 2.423733482 -0.980247882 0.33305626 0.735707766 -6.508744553 stable

PRM1 -0.010771632 3.62167105 -0.980095447 0.333130531 0.735802724 -6.508892844 stable

SLCO1B1 -0.011343174 3.708463601 -0.979781718 0.333283423 0.736028639 -6.509197973 stable

RITA1 0.08868132 7.952886064 0.979642822 0.333351128 0.736028639 -6.509333032 stable

LOC91548 -0.031367105 8.639548206 -0.97961969 0.333362404 0.736028639 -6.509355523 stable

LOC100505715 -0.079109705 7.98783475 -0.979590072 0.333376843 0.736028639 -6.50938432 stable

MPV17L -0.092257973 4.308840637 -0.979564573 0.333389274 0.736028639 -6.509409112 stable

DDO 0.010067455 2.433707499 0.979449424 0.333445415 0.736044192 -6.509521057 stable

SCOC-AS1 -0.008726576 2.79108923 -0.979421756 0.333458905 0.736044192 -6.509547954 stable

ODF4 0.003123369 2.456869954 0.97929755 0.33351947 0.736078477 -6.509668687 stable

HOXA11-AS 0.002168109 2.313507427 0.979261547 0.333537027 0.736078477 -6.509703681 stable

LOC102724891 -0.018367029 2.576698864 -0.979001979 0.333663625 0.736288781 -6.509955936 stable

PYGL -0.135289263 10.6129507 -0.978907369 0.333709777 0.736304279 -6.510047865 stable

BACH1 0.114514537 11.41422345 0.97885924 0.333733256 0.736304279 -6.510094627 stable

PEG3 0.007383032 2.511585435 0.97877577 0.333773979 0.736325057 -6.51017572 stable

TSPY1 0.005527998 3.065938311 0.978690954 0.333815362 0.736347288 -6.510258115 stable

MSH3 -0.050157625 5.876797022 -0.978603531 0.333858021 0.736372328 -6.510343035 stable

SSX2 /// SSX2B /// SSX3 -0.009486982 2.37799035 -0.977748709 0.33427533 0.737203912 -6.511173003 stable

RP5-894D12.4 0.004604138 2.592416689 0.977702843 0.334297731 0.737203912 -6.511217517 stable

LOC100131303 0.006097731 2.673454171 0.977572949 0.334361176 0.737274699 -6.511343567 stable

GCSAM 0.083420823 5.951606358 0.977319015 0.334485231 0.737416954 -6.511589944 stable

LOC497256 0.003068348 2.553560061 0.977309266 0.334489994 0.737416954 -6.511599401 stable

LOC101928483 -0.039097914 5.102218835 -0.977248379 0.334519744 0.737416954 -6.511658467 stable

LOC401324 0.002839716 2.721613456 0.977162048 0.334561929 0.737440834 -6.511742208 stable

ACTR1B -0.036333055 10.30174684 -0.976984113 0.334648888 0.737563389 -6.511914784 stable

RNF183 0.003282861 2.322294299 0.976842784 0.334717968 0.737641402 -6.512051836 stable

CHGB -0.003279175 2.366117581 -0.976783381 0.334747006 0.737641402 -6.512109435 stable

UNC119 -0.098051351 9.419069308 -0.976624396 0.334824731 0.737693576 -6.512263577 stable

C5orf27 0.008889017 3.349385406 0.976557961 0.334857214 0.737693576 -6.51232798 stable

LOC100128922 0.004470733 2.651118995 0.976542503 0.334864772 0.737693576 -6.512342965 stable

SNAP25 0.005240691 2.36152391 0.976439049 0.33491536 0.737701101 -6.512443246 stable

SLC13A5 0.009685665 2.538258655 0.97640724 0.334930915 0.737701101 -6.512474078 stable

CCL17 -0.022861968 3.061234587 -0.976203347 0.335030634 0.737787283 -6.512671682 stable

TTC8 -0.054379052 3.544286078 -0.97619786 0.335033318 0.737787283 -6.512677 stable

FLJ25694 /// LOC101929344 0.002971065 2.563145257 0.976134838 0.335064145 0.737787283 -6.51273807 stable

MAGEL2 0.001640514 2.297479977 0.975997717 0.335131223 0.737865909 -6.51287093 stable

RP11-39H13.1 -0.008049544 2.570572788 -0.975837044 0.335209835 0.737929697 -6.51302659 stable

LOC157740 0.002478324 2.501335043 0.975810257 0.335222942 0.737929697 -6.513052538 stable

ASTN1 0.002314452 2.41139634 0.97563865 0.335306919 0.738008032 -6.513218759 stable

SIM1 0.002322861 2.438095218 0.975516581 0.335366662 0.738008032 -6.513336979 stable

SLC22A9 -0.002412666 2.231480155 -0.975482632 0.335383279 0.738008032 -6.513369855 stable

CCDC136 0.031266911 2.845330223 0.97548109 0.335384033 0.738008032 -6.513371348 stable

LOC729506 0.004032152 2.121214147 0.975224747 0.335509522 0.738210043 -6.513619555 stable

IDO2 -0.004636293 2.650566969 -0.97504252 0.335598746 0.738210043 -6.513795959 stable

CAMKK2 -0.046819632 2.622197015 -0.975008845 0.335615237 0.738210043 -6.513828555 stable

ATHL1 -0.243350962 10.57338366 -0.974847636 0.335694187 0.738210043 -6.513984583 stable

LOC101927330 -0.052582159 2.969660084 -0.97483551 0.335700126 0.738210043 -6.513996318 stable

TUBGCP6 -0.077030569 8.44751138 -0.97477954 0.335727539 0.738210043 -6.514050483 stable

RAP1B 0.038726526 13.58498342 0.974646784 0.335792568 0.738210043 -6.514178944 stable

LINC00862 0.011182524 3.354293425 0.974607081 0.335812018 0.738210043 -6.51421736 stable

BC045810 /// RP11-38F22.1 0.004392768 2.794502757 0.974529105 0.335850219 0.738210043 -6.514292803 stable

POU4F1 -0.026684291 2.255411254 -0.974514163 0.335857539 0.738210043 -6.514307259 stable

RP1-223E5.4 /// SIRT5 -0.03924595 5.145674323 -0.974472107 0.335878145 0.738210043 -6.514347946 stable

WT1-AS -0.032346658 3.072119881 -0.974465308 0.335881476 0.738210043 -6.514354524 stable

BRIP1 0.013010854 3.411586263 0.974460475 0.335883843 0.738210043 -6.514359199 stable

E2F8 0.059999705 3.005194501 0.974147485 0.336037219 0.738411343 -6.514661944 stable

PRSS58 -0.05977674 3.791390548 -0.974145439 0.336038222 0.738411343 -6.514663923 stable

ARVCF 0.008234634 2.216307928 0.973971846 0.336123309 0.738529318 -6.514831794 stable

RP4-584D14.7 0.010691109 2.777813001 0.97385502 0.336180579 0.738586157 -6.514944752 stable

CCDC171 0.012263637 3.254680477 0.97356585 0.336322364 0.738783502 -6.515224295 stable

LINC01061 /// LOC441124 /// LOC729218 -0.103686179 4.495400596 -0.973433142 0.336387446 0.738783502 -6.515352558 stable

ABCC4 -0.233416052 8.073505107 -0.973373629 0.336416636 0.738783502 -6.515410073 stable

MUC7 0.003794072 2.238489551 0.973348942 0.336428744 0.738783502 -6.51543393 stable

PTTG1IP 0.056667172 11.94395284 0.973312562 0.336446589 0.738783502 -6.515469086 stable

PLD5 0.002337037 2.229901686 0.973269559 0.336467682 0.738783502 -6.51551064 stable

PSAPL1 -0.038035961 4.183892317 -0.973187296 0.336508036 0.738783502 -6.515590126 stable

BRSK1 -0.112949382 4.251798645 -0.973137382 0.336532523 0.738783502 -6.515638353 stable

DCAF7 0.047780094 9.505924039 0.97309546 0.33655309 0.738783502 -6.515678856 stable

EIF4EBP2 0.002669322 2.532505549 0.972918018 0.336640152 0.738791905 -6.515850272 stable

IFNB1 0.003699534 2.536354683 0.972911616 0.336643294 0.738791905 -6.515856457 stable

PTGES3L -0.007154095 2.034840608 -0.972895611 0.336651148 0.738791905 -6.515871916 stable

LOC101928399 -0.002907245 2.703032269 -0.97281489 0.336690759 0.738809903 -6.515949885 stable

ZNF467 -0.007771976 2.192063779 -0.97272445 0.336735144 0.73883837 -6.516037232 stable

SYDE2 -0.035683764 3.050585408 -0.972608834 0.336791891 0.738893952 -6.516148886 stable

EIF3J 0.041688197 9.113949606 0.972425848 0.336881716 0.738983442 -6.516325573 stable

RPS14 0.012602046 15.48484959 0.972397737 0.336895517 0.738983442 -6.516352714 stable

MROH7-TTC4 /// TTC4 0.073359137 8.720780649 0.972308659 0.336939251 0.738996347 -6.516438712 stable

OR51M1 0.001409974 1.874197502 0.972200338 0.336992438 0.738996347 -6.516543278 stable

AMBN -0.016053671 2.81859608 -0.972193786 0.336995656 0.738996347 -6.516549602 stable

MARVELD2 -0.029964681 2.53859549 -0.972044145 0.337069141 0.739088586 -6.516694036 stable

TMX1 0.059486346 11.10472746 0.971918116 0.337131039 0.739118651 -6.516815664 stable

GEMIN4 0.077832252 7.531806993 0.971888268 0.3371457 0.739118651 -6.516844466 stable

POLRMT -0.067610022 9.334670439 -0.971415237 0.3373781 0.739549243 -6.517300828 stable

SND1 -0.041507371 10.42643206 -0.971360506 0.337404997 0.739549243 -6.517353617 stable

HCG26 0.111848051 8.546443947 0.971279134 0.337444988 0.73956798 -6.517432096 stable

ZNF787 0.003440197 2.458620857 0.971046452 0.337559359 0.739712324 -6.517656471 stable

CYMP 0.002546161 2.584217935 0.971017186 0.337573746 0.739712324 -6.517684689 stable

TMEM57 0.057231114 8.372800773 0.970672497 0.337743225 0.740014756 -6.518016968 stable

GABRA5 0.004448634 2.73864486 0.970274777 0.33793885 0.74027166 -6.518400231 stable

GOT2 -0.049963063 8.641265902 -0.970125053 0.338012513 0.74027166 -6.518544473 stable

PALLD 0.002536617 2.287857701 0.969867508 0.338139249 0.74027166 -6.518792539 stable

RP11-1277A3.3 0.043661646 3.502448502 0.96980028 0.338172337 0.74027166 -6.518857283 stable

CADM2 -0.01600587 3.470484254 -0.969770879 0.338186808 0.74027166 -6.518885596 stable

FAIM2 0.01416295 2.628942328 0.969745609 0.338199246 0.74027166 -6.51890993 stable

MUSTN1 /// TMEM110 /// TMEM110-MUSTN1 -0.075913992 7.365011857 -0.969691089 0.338226082 0.74027166 -6.51896243 stable

LOC101929645 0.002852488 2.522051576 0.969652957 0.338244853 0.74027166 -6.518999147 stable

MLX 0.038406067 3.625373363 0.969609041 0.338266471 0.74027166 -6.519041431 stable

RHBG -0.004706745 2.240804124 -0.969587011 0.338277316 0.74027166 -6.519062642 stable

PPP1R2P9 -0.018358509 2.761968662 -0.969584479 0.338278562 0.74027166 -6.51906508 stable

KRTAP5-9 -0.010161449 2.643350742 -0.969573609 0.338283913 0.74027166 -6.519075545 stable

PCDHB13 -0.029627231 6.17844134 -0.969557864 0.338291665 0.74027166 -6.519090705 stable

SCNN1A -0.023835651 2.048301815 -0.969538707 0.338301096 0.74027166 -6.519109148 stable

TMEM110 0.07312966 7.661211662 0.969430755 0.338354245 0.740272319 -6.519213075 stable

APOA2 0.008310476 2.480751908 0.969410246 0.338364343 0.740272319 -6.519232818 stable

LOC100288175 -0.012467289 3.570986868 -0.969334017 0.338401877 0.740285579 -6.519306196 stable

TPT1P8 0.031594387 2.93189848 0.969130988 0.33850186 0.74041411 -6.519501607 stable

C4orf26 0.002389311 2.128655247 0.968990816 0.3385709 0.74041411 -6.519636496 stable

BTBD16 0.00211762 2.398772599 0.968977774 0.338577325 0.74041411 -6.519649045 stable

LOC101929728 /// SLC35E4 0.0242241 3.089847803 0.968846236 0.338642122 0.74041411 -6.519775607 stable

KMO -0.154544894 8.129229506 -0.968801633 0.338664096 0.74041411 -6.519818519 stable

RETSAT 0.093269645 7.14838155 0.968688976 0.338719601 0.74041411 -6.519926898 stable

RAB40AL -0.013894868 2.739056211 -0.968633667 0.338746853 0.74041411 -6.519980101 stable

TNFRSF13C -0.066816825 4.153204542 -0.968633509 0.338746931 0.74041411 -6.519980253 stable

MIR137 /// MIR137HG /// MIR2682 0.026080181 3.711656746 0.968539665 0.338793174 0.74041411 -6.520070518 stable

URGCP 0.068479184 8.368311005 0.968484131 0.338820542 0.74041411 -6.52012393 stable

CHIT1 0.049495145 2.022915185 0.968455782 0.338834512 0.74041411 -6.520151195 stable

LOC440346 0.015765113 3.527114258 0.9684469 0.33883889 0.74041411 -6.520159737 stable

CABP4 0.004766724 2.787950435 0.968368928 0.338877319 0.74041411 -6.520234723 stable

ATP9A -0.132398083 8.454904608 -0.968297762 0.338912395 0.74041411 -6.520303157 stable

SLC28A3 -0.007251063 2.112698777 -0.968256337 0.338932814 0.74041411 -6.52034299 stable

TUB 0.001807832 2.368123395 0.968175319 0.338972752 0.740432587 -6.52042089 stable

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MFN2 -0.022428788 2.80961301 -0.967808909 0.33915341 0.740496047 -6.520773121 stable

LINC00337 0.003612627 3.028432833 0.967732201 0.339191239 0.740496047 -6.520846844 stable

SGK223 0.089896381 10.64010383 0.967707009 0.339203664 0.740496047 -6.520871055 stable

RFX1 0.047797872 4.950958417 0.967698824 0.3392077 0.740496047 -6.520878921 stable

HGC6.3 0.009031607 3.79651829 0.967641745 0.339235852 0.740496047 -6.520933773 stable

UHRF1BP1 0.002756291 2.281720189 0.967604435 0.339254254 0.740496047 -6.520969627 stable

TRIML1 0.004573078 2.745856804 0.967546969 0.3392826 0.740496047 -6.521024847 stable

TNNT2 -0.042596796 3.090352826 -0.967541808 0.339285145 0.740496047 -6.521029805 stable

LOC100133985 0.004696185 2.408488807 0.967415976 0.339347218 0.74055321 -6.521150707 stable

C9 0.00371465 2.679038479 0.967275304 0.33941662 0.74055321 -6.521285849 stable

BICC1 -0.00438794 2.548261484 -0.967272529 0.339417988 0.74055321 -6.521288514 stable

LOC100505609 0.001471922 1.958253528 0.967212416 0.339447649 0.74055321 -6.521346258 stable

YY1AP1 -0.032667417 11.27561662 -0.967169632 0.33946876 0.74055321 -6.521387355 stable

NDC80 0.138784364 5.404199937 0.967039713 0.339532872 0.740624379 -6.521512137 stable

PCMTD2 -0.064400028 12.04507261 -0.966947165 0.339578547 0.740638037 -6.521601016 stable

GALP 0.006233905 2.982880103 0.966794493 0.339653904 0.740638037 -6.521747618 stable

TCP11L1 0.208992118 5.063682894 0.966707105 0.339697042 0.740638037 -6.521831522 stable

C15orf43 0.004885954 2.80058936 0.966704107 0.339698523 0.740638037 -6.5218344 stable

UPB1 -0.003402013 2.44699083 -0.966677267 0.339711772 0.740638037 -6.521860168 stable

SLC25A39 -0.094377369 10.08930414 -0.966644268 0.339728064 0.740638037 -6.521891848 stable

DENND4A 0.038542839 9.595728421 0.966577292 0.33976113 0.740641478 -6.521956145 stable

LOC101929073 0.00324987 2.622413779 0.966475509 0.339811386 0.740682384 -6.522053848 stable

ARRDC3-AS1 -0.015931359 4.909792348 -0.966376557 0.339860248 0.740713257 -6.522148825 stable

STK32B -0.032181702 2.085445412 -0.966302246 0.339896946 0.740713257 -6.522220143 stable

SNAI1P1 /// SNAI1P1 -0.00942718 3.10319422 -0.966255517 0.339920024 0.740713257 -6.522264989 stable

LOC100131180 0.002584208 2.658401518 0.966170084 0.33996222 0.740736579 -6.522346971 stable

PPFIA1 0.056904311 8.403468354 0.965934128 0.340078777 0.740819666 -6.522573364 stable

RP11-157E16.1 0.004287885 2.877472397 0.965843788 0.34012341 0.740819666 -6.522660027 stable

NUDT5 -0.062261231 9.029629496 -0.965812564 0.340138837 0.740819666 -6.522689979 stable

SLX4IP 0.048109266 7.789432127 0.965779686 0.340155082 0.740819666 -6.522721516 stable

FAM86B1 /// FAM86B2 /// FAM86C1 /// FAM86DP /// FAM86FP -0.159412842 6.217729763 -0.965774118 0.340157833 0.740819666 -6.522726858 stable

EPHA10 -0.006816016 2.376149146 -0.965616649 0.340235646 0.740869644 -6.522877891 stable

GJB4 0.002487342 2.244090187 0.965541912 0.340272582 0.740869644 -6.522949565 stable

FLJ32154 0.024480332 2.431818557 0.965475353 0.340305478 0.740869644 -6.523013391 stable

PRAMEF12 -0.019505366 2.654140171 -0.96547273 0.340306774 0.740869644 -6.523015907 stable

MYH6 /// MYH7 0.005772991 2.942553483 0.965357876 0.340363545 0.740924658 -6.523126037 stable

GNRH1 -0.045987883 3.837021248 -0.965213536 0.340434898 0.741011404 -6.523264421 stable

ELK2AP -0.042247055 6.307322869 -0.964936954 0.340571653 0.741131335 -6.523529536 stable

NS3BP 0.077022522 3.07049199 0.964875066 0.340602258 0.741131335 -6.523588849 stable

ERVK3-1 /// ZNF8 0.146342878 8.88788044 0.964655167 0.340711019 0.741131335 -6.523799567 stable

GATM 0.014515621 3.474789588 0.964589586 0.340743459 0.741131335 -6.523862401 stable

AMBP 0.009033815 2.776307737 0.964568117 0.340754079 0.741131335 -6.52388297 stable

KRT18P50 /// KRT18P50 -0.013159107 2.574538453 -0.964366512 0.34085382 0.741131335 -6.524076101 stable

FZD8 /// MIR4683 0.001594525 2.092974066 0.964339432 0.340867219 0.741131335 -6.52410204 stable

LGALS7 /// LGALS7B 0.002156968 2.263402387 0.964292606 0.340890389 0.741131335 -6.524146891 stable

TTLL2 0.003293543 2.601490333 0.964215666 0.340928462 0.741131335 -6.524220582 stable

OR7E37P -0.079736364 8.402340587 -0.964206841 0.340932829 0.741131335 -6.524229033 stable

DCT 0.004905617 2.690720483 0.964117004 0.340977288 0.741131335 -6.524315068 stable

LOC101927648 0.002833961 2.440567002 0.964114982 0.340978289 0.741131335 -6.524317005 stable

NTN4 0.022948513 3.139124776 0.96397103 0.341049536 0.741131335 -6.524454848 stable

E2F1 -0.022150703 3.439323902 -0.963900572 0.341084412 0.741131335 -6.524522308 stable

FAM127B 0.05606744 6.929165004 0.963864584 0.341102226 0.741131335 -6.524556764 stable

HIGD1A -0.04274883 11.95805278 -0.963748807 0.341159542 0.741131335 -6.524667602 stable

MYO7B -0.008354692 2.68922209 -0.963739717 0.341164042 0.741131335 -6.524676304 stable

C1orf159 -0.10177631 5.970777285 -0.963736343 0.341165713 0.741131335 -6.524679534 stable

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LOC101928102 /// LOC102723678 /// LOC102723709 0.233843502 5.038164989 0.963629592 0.341218566 0.741131335 -6.524781718 stable

SEC11A 0.042080234 13.15355438 0.963587213 0.34123955 0.741131335 -6.524822282 stable

ARMC7 0.05585537 8.762078656 0.9635539 0.341256045 0.741131335 -6.524854166 stable

ZNF582 0.079179014 6.133500672 0.963514306 0.341275652 0.741131335 -6.524892061 stable

KRBOX4 /// ZNF674 -0.057870675 7.782066832 -0.963507852 0.341278848 0.741131335 -6.524898238 stable

C2orf61 0.003021375 2.562441164 0.96348272 0.341291293 0.741131335 -6.52492229 stable

LY86-AS1 0.005822578 2.413415099 0.963423104 0.341320816 0.741131335 -6.524979344 stable

PKNOX2 -0.003798323 2.686359478 -0.963245851 0.341408606 0.741131335 -6.525148956 stable

LEF1-AS1 -0.144668917 8.153060664 -0.963146816 0.341457662 0.741131335 -6.525243709 stable

LOC100505878 0.005271837 2.898241043 0.963104937 0.341478408 0.741131335 -6.525283775 stable

ZCCHC3 -0.003818122 2.48312291 -0.963071609 0.341494918 0.741131335 -6.525315658 stable

LRRC40 -0.038230645 9.647772521 -0.96307143 0.341495007 0.741131335 -6.525315829 stable

TPRN -0.057508974 6.421614387 -0.96302479 0.341518113 0.741131335 -6.525360447 stable

RPL3L -0.01404278 2.454626547 -0.963001191 0.341529805 0.741131335 -6.525383021 stable

LINC01015 -0.010262628 2.567163179 -0.962734645 0.341661878 0.741349542 -6.52563796 stable

ZNF423 0.00393895 2.37733993 0.962664125 0.341696827 0.741356984 -6.525705398 stable

GLTSCR1L 0.053079303 10.9280615 0.962506881 0.341774762 0.741444304 -6.525855753 stable

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LOC100505851 0.020283106 3.651248192 0.962218915 0.341917519 0.741571477 -6.526131041 stable

NEK10 -0.008712718 2.461092422 -0.96221028 0.3419218 0.741571477 -6.526139295 stable

SLN 0.002283266 2.163366778 0.961997218 0.34202745 0.741672635 -6.526342924 stable

LOC283038 0.002416281 2.418747926 0.961927202 0.342062174 0.741672635 -6.526409832 stable

STPG2 -0.006358983 2.188238654 -0.961848086 0.342101412 0.741672635 -6.526485429 stable

PAOX -0.057346609 5.707100248 -0.96174802 0.342151047 0.741672635 -6.526581036 stable

RP11-753A21.2 -0.003687249 2.624466132 -0.961741284 0.342154388 0.741672635 -6.526587472 stable

PPP1R3A 0.001669527 2.142913913 0.961734735 0.342157636 0.741672635 -6.526593728 stable

TAOK3 0.027523459 11.3596772 0.96165129 0.34219903 0.741694009 -6.526673447 stable

AMPD3 -0.068672557 9.598931133 -0.961536824 0.342255818 0.741748742 -6.52678279 stable

CALR 0.15189806 8.228007697 0.961422797 0.342312394 0.741803005 -6.526891702 stable

KRTDAP 0.002053291 2.661681682 0.961310591 0.342368072 0.74181301 -6.526998862 stable

GPR158 0.002505889 1.988790452 0.961286379 0.342380088 0.74181301 -6.527021984 stable

GNB1L 0.043836894 7.084216564 0.961146061 0.342449726 0.741864451 -6.527155973 stable

KISS1 0.002098271 2.344029199 0.961111437 0.342466911 0.741864451 -6.527189031 stable

RP11-1260E13.2 0.032009558 3.673410497 0.961022084 0.342511262 0.741875127 -6.527274341 stable

VPS41 0.132626528 3.803837489 0.960974422 0.342534921 0.741875127 -6.527319843 stable

IL33 0.004912695 2.78682397 0.960799924 0.342621551 0.741994429 -6.527486416 stable

LOC101928243 0.002273879 2.300349366 0.960488056 0.342776413 0.74222574 -6.527784047 stable

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BCAR1 -0.02685848 5.774365821 -0.960330667 0.342854584 0.74222574 -6.527934215 stable

LINC00116 0.079918456 7.991958325 0.960219464 0.342909823 0.742239547 -6.528040303 stable

MTFR2 0.044876497 3.758662628 0.960190775 0.342924074 0.742239547 -6.52806767 stable

RHEB 0.070916199 10.20514824 0.959791673 0.343122378 0.742380889 -6.528448306 stable

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LOC101927702 0.004472531 2.735990926 0.959436369 0.343298984 0.742380889 -6.528787043 stable

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RNF24 0.154805086 4.322934051 0.959063657 0.343484308 0.742380889 -6.529142249 stable

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LOC101926906 0.001801947 2.21157292 0.959011322 0.343510335 0.742380889 -6.529192114 stable

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C1orf158 0.002586959 2.269454324 0.958840831 0.343595135 0.742380889 -6.529354545 stable

LOC101927358 0.004605502 2.672054998 0.958837401 0.343596841 0.742380889 -6.529357812 stable

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GABRG3 0.004497425 2.752559551 0.958185877 0.343921028 0.742380889 -6.529978277 stable

AKIRIN1 -0.059556534 10.17140248 -0.958159632 0.343934091 0.742380889 -6.530003263 stable

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OXSR1 0.033918772 10.32675124 0.958111426 0.343958086 0.742380889 -6.530049154 stable

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LOC283214 0.013387281 3.023683275 0.95762538 0.344200083 0.742593434 -6.530511734 stable

FAM50A -0.044788902 10.09597974 -0.957588028 0.344218685 0.742593434 -6.530547273 stable

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LOC101930028 /// LOC101930449 0.004351706 2.721141945 0.956801693 0.344610447 0.742959722 -6.531295143 stable

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LINC00263 /// PP7080 -0.086449137 8.594946306 -0.955931871 0.345044146 0.743456479 -6.532121732 stable

RELN 0.013727792 2.602128015 0.955906359 0.345056872 0.743456479 -6.532145966 stable

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CASC7 0.054359144 4.107148419 0.955542455 0.345238429 0.743553986 -6.532491561 stable

MTMR7 0.003912155 2.644001027 0.955325727 0.345346588 0.743633177 -6.532697326 stable

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MS4A12 -0.006223327 2.487132177 -0.954966237 0.345526042 0.743696897 -6.533038533 stable

PLEKHA2 -0.089674346 8.340012573 -0.954918451 0.345549901 0.743696897 -6.533083879 stable

RP11-28F1.2 -0.172466338 6.12901193 -0.954903472 0.345557379 0.743696897 -6.533098093 stable

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ZFP36L1 0.060956956 12.34474411 0.954689174 0.345664391 0.743858384 -6.533301421 stable

CYP7B1 0.00318663 2.552711531 0.954585051 0.345716393 0.743902231 -6.533400198 stable

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KRTAP4-3 0.003212257 2.37388126 0.953388327 0.34631445 0.744361672 -6.534534743 stable

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LOC100996412 0.157247124 8.803422774 0.953097386 0.346459949 0.744361672 -6.534810363 stable

PDS5A 0.032815826 11.60776781 0.953042976 0.346487164 0.744361672 -6.534861898 stable

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ITGBL1 0.006285412 2.902071942 0.953021274 0.346498019 0.744361672 -6.534882453 stable

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WEE2-AS1 0.00750643 2.312469155 0.952689291 0.346664106 0.744511179 -6.535196831 stable

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CENPN -0.154346143 5.666793941 -0.951736286 0.347141173 0.744864113 -6.536098718 stable

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PIN4 -0.049304426 10.27631799 -0.951015895 0.347502083 0.745050857 -6.536779897 stable

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PRICKLE2-AS3 0.012461561 3.331498189 0.950668448 0.34767624 0.745050857 -6.537108256 stable

PLA2G6 -0.039602586 8.157378999 -0.950524256 0.347748532 0.745050857 -6.537244492 stable

CAPN11 -0.02346555 2.857399453 -0.950498314 0.347761539 0.745050857 -6.537269001 stable

RHD -0.122066779 3.149283491 -0.950449513 0.34778601 0.745050857 -6.537315104 stable

ITSN2 -0.03881082 11.77818934 -0.950367422 0.347827174 0.745050857 -6.537392651 stable

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METTL21EP 0.004777504 2.278196053 0.950326157 0.347847868 0.745050857 -6.53743163 stable

GUSBP2 0.032288952 3.613596126 0.950268046 0.347877011 0.745050857 -6.537486518 stable

LOC101928961 0.005748686 2.757774619 0.950227493 0.34789735 0.745050857 -6.537524821 stable

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CTC-471F3.6 0.021505745 3.821563271 0.948392219 0.348818619 0.745937152 -6.539256601 stable

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HLA-DQB2 -0.026858244 3.562442972 -0.94763556 0.349198914 0.746580286 -6.539969661 stable

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LINC00314 0.014449778 3.322267228 0.947391007 0.349321884 0.746673941 -6.540200006 stable

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SOX5P /// SOX5P 0.005913504 2.823295003 0.946448095 0.349796283 0.747078068 -6.541087609 stable

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IPO4 /// TM9SF1 0.088399439 9.181428151 0.946170498 0.349936029 0.747083033 -6.541348762 stable

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CRYM -0.165686536 3.400056606 -0.946112252 0.349965355 0.747083033 -6.541403548 stable

PSMB8 0.057931993 11.83547308 0.946081761 0.349980708 0.747083033 -6.541432227 stable

SPINK7 0.001775753 2.31540845 0.946063885 0.349989709 0.747083033 -6.54144904 stable

SDCBP2-AS1 0.064224604 4.543105225 0.945968721 0.350037629 0.747117521 -6.541538541 stable

SYNE2 0.102729622 3.611818976 0.94565968 0.350193278 0.747300751 -6.54182913 stable

LOC101927701 0.001805209 2.272120956 0.945653541 0.35019637 0.747300751 -6.541834901 stable

LINC00877 -0.168381708 4.30531313 -0.945609031 0.350218791 0.747300751 -6.541876745 stable

WNK3 0.003144528 2.811988583 0.945267499 0.350390865 0.747382478 -6.542197764 stable

EPHB1 -0.024380459 2.188035319 -0.945216652 0.350416487 0.747382478 -6.542245547 stable

PRKXP1 0.047026062 3.946043374 0.945208034 0.35042083 0.747382478 -6.542253646 stable

DAO -0.007030235 2.440978735 -0.945194783 0.350427508 0.747382478 -6.542266098 stable

PRKCG -0.007848913 2.614655359 -0.945175448 0.350437252 0.747382478 -6.542284267 stable

CACNA1F -0.001605375 2.086011869 -0.945073874 0.350488443 0.747382478 -6.54237971 stable

TMEM134 -0.042930998 4.083770955 -0.945072918 0.350488925 0.747382478 -6.542380608 stable

LOC283922 /// PDPR 0.052779431 5.113134689 0.944896107 0.350578046 0.747382478 -6.542546723 stable

AGBL3 0.004786521 3.125806139 0.944856059 0.350598234 0.747382478 -6.542584344 stable

JUP -0.21919556 9.368450495 -0.944834034 0.350609337 0.747382478 -6.542605034 stable

SLC38A5 0.120858259 6.521973563 0.944804914 0.350624017 0.747382478 -6.542632388 stable

LAMB3 0.004010615 2.371863658 0.944776398 0.350638393 0.747382478 -6.542659174 stable

LOC283484 0.006848687 3.042022272 0.94442699 0.350814574 0.74769025 -6.542987317 stable

LINC01095 -0.001952384 2.311004683 -0.944355736 0.350850509 0.747699088 -6.54305422 stable

OTUD7A -0.006436103 1.997335644 -0.944195705 0.350931227 0.747803351 -6.543204463 stable

MCM3AP-AS1 0.011682909 3.380374409 0.943964639 0.351047794 0.747925928 -6.543421353 stable

TLR4 0.229016127 9.72363739 0.943954248 0.351053037 0.747925928 -6.543431105 stable

LOC101927673 /// OTUB1 0.032311845 11.34297679 0.943892593 0.351084145 0.747925928 -6.543488968 stable

TAAR5 0.008958159 2.496585146 0.943618604 0.351222409 0.748141749 -6.543746063 stable

ZBED1 0.090748763 7.352362664 0.943542906 0.351260614 0.748141749 -6.54381708 stable

OR51B5 0.001679819 1.999596453 0.943448242 0.351308396 0.748141749 -6.543905884 stable

INSRR 0.005967301 2.363479491 0.94343975 0.351312683 0.748141749 -6.54391385 stable

LTN1 0.042576263 10.15745552 0.943374769 0.351345486 0.748143868 -6.543974803 stable

LTK -0.095527175 3.51118904 -0.943190601 0.351438464 0.748274111 -6.544147532 stable

LOC257396 -0.007667808 2.977155496 -0.942918635 0.351575798 0.748469033 -6.544402548 stable

FLJ37786 0.008875255 3.024939386 0.942861322 0.351604743 0.748469033 -6.544456279 stable

PRMT7 0.082985106 7.439279356 0.942773327 0.351649188 0.748469033 -6.54453877 stable

PPM1H -0.176349842 4.561887743 -0.942680171 0.351696243 0.748469033 -6.544626091 stable

DCD -0.001553376 2.20696237 -0.942610884 0.351731244 0.748469033 -6.544691032 stable

RPL27 0.016482028 15.5762826 0.942592532 0.351740516 0.748469033 -6.544708234 stable

APC2 -0.022449548 5.741488745 -0.942568293 0.351752761 0.748469033 -6.544730951 stable

LINC01106 /// LINC01123 -0.021135531 3.177263604 -0.942310064 0.351883234 0.748564356 -6.544972934 stable

VAMP8 0.049979003 12.67191878 0.942268052 0.351904464 0.748564356 -6.545012298 stable

LOC100130741 0.009744676 2.432538249 0.942240932 0.351918169 0.748564356 -6.545037707 stable

TTLL7-IT1 0.010713217 2.519140993 0.942095444 0.351991697 0.748564356 -6.545174004 stable

MYOCD 0.002156242 2.458955952 0.942092831 0.351993018 0.748564356 -6.545176452 stable

DNAAF1 -0.024564386 2.865356279 -0.942092668 0.3519931 0.748564356 -6.545176604 stable

DENND3 0.156988523 8.319655485 0.941977234 0.352051447 0.748564356 -6.545284732 stable

NLGN4Y 0.015170518 3.593829936 0.941967457 0.352056389 0.748564356 -6.54529389 stable

CTA-246H3.12 0.002551188 2.492045216 0.941912861 0.352083987 0.748564356 -6.545345026 stable

TSPAN17 0.003073025 2.38806152 0.941712175 0.352185446 0.748588009 -6.545532967 stable

DLEU7-AS1 0.004112121 2.176435201 0.941540254 0.352272378 0.748588009 -6.54569394 stable

PTEN /// PTENP1 -0.049678695 11.68045268 -0.941533914 0.352275584 0.748588009 -6.545699875 stable

SLC2A13 0.021068506 3.595283012 0.941531911 0.352276597 0.748588009 -6.54570175 stable

AKIRIN2 0.109128822 8.898547554 0.941474631 0.352305564 0.748588009 -6.545755376 stable

GPR123 0.001420742 1.969012071 0.941421259 0.352332556 0.748588009 -6.54580534 stable

LOC100507165 -0.011691913 2.679916446 -0.941405331 0.352340611 0.748588009 -6.545820251 stable

GXYLT2 0.001652997 2.170429711 0.941387314 0.352349723 0.748588009 -6.545837117 stable

PTPN11 0.001755261 2.280670929 0.941247152 0.352420617 0.748631618 -6.545968312 stable

HYDIN /// HYDIN2 /// LOC101930373 0.037404744 3.310598822 0.941162026 0.352463678 0.748631618 -6.546047982 stable

CCR6 -0.175105785 8.315041122 -0.941157961 0.352465734 0.748631618 -6.546051787 stable

CTD-2035E11.5 0.082477503 4.377914951 0.941040898 0.352524957 0.748632537 -6.546161337 stable

C14orf105 0.006235656 3.2308645 0.941031278 0.352529823 0.748632537 -6.546170338 stable

LOC102725438 0.002688856 2.48497681 0.9408036 0.352645026 0.748756049 -6.546383364 stable

MAGEB6 0.028335919 3.577745864 0.940790505 0.352651652 0.748756049 -6.546395615 stable

METTL4 -0.060973816 8.689070825 -0.940588369 0.352753953 0.748905653 -6.546584699 stable

RP3-359N14.1 0.002912538 2.775567533 0.940516281 0.352790441 0.74891552 -6.546652123 stable

RPGR -0.060950184 7.489687843 -0.940372849 0.352863048 0.748951174 -6.54678626 stable

SLC19A3 0.001873921 2.358113474 0.940275467 0.35291235 0.748951174 -6.54687732 stable

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KCNF1 -0.03219208 6.367596585 -0.94010194 0.353000212 0.748951174 -6.547039559 stable

PCDHB7 0.003249503 2.553098088 0.940101901 0.353000232 0.748951174 -6.547039596 stable

FGF21 -0.014811172 3.210300411 -0.940009592 0.353046977 0.748951174 -6.547125888 stable

DNAH2 0.003168711 2.13156514 0.939951089 0.353076605 0.748951174 -6.547180574 stable

ANKRD13C 0.048370656 8.342426932 0.939947502 0.353078422 0.748951174 -6.547183927 stable

ELMO1 0.04340804 10.28052453 0.939910957 0.35309693 0.748951174 -6.547218086 stable

CHML 0.001706316 1.529270568 0.939854244 0.353125655 0.748951174 -6.547271094 stable

NEUROG1 -0.011076975 2.685023309 -0.939648002 0.353230126 0.749105201 -6.547463835 stable

LOC101928716 0.003004414 2.573262252 0.939522497 0.353293709 0.749138638 -6.547581104 stable

R3HDML 0.005717075 2.330259011 0.939491149 0.353309592 0.749138638 -6.547610393 stable

PSG9 -0.004670809 2.159005659 -0.939208938 0.353452598 0.749226094 -6.547874022 stable

BC027619 /// RP11-236J17.3 -0.002759778 2.444693936 -0.939052904 0.353531682 0.749226094 -6.548019749 stable

STAG3L1 /// STAG3L2 /// STAG3L3 -0.081852708 7.560021027 -0.939032725 0.353541911 0.749226094 -6.548038595 stable

FBLN1 0.002453227 2.076006868 0.939030291 0.353543144 0.749226094 -6.548040867 stable

FAM214A -0.078413639 11.03469094 -0.93892334 0.35359736 0.749226094 -6.548140739 stable

HCG22 0.019557852 2.651827649 0.938854461 0.353632278 0.749226094 -6.548205052 stable

CRYZ 0.173327121 8.436759016 0.938832778 0.353643271 0.749226094 -6.548225297 stable

FUOM -0.107446822 6.985762757 -0.93873691 0.353691877 0.749226094 -6.548314801 stable

LINC00844 0.00374578 2.671396867 0.938705329 0.35370789 0.749226094 -6.548344284 stable

RFPL3 0.013525141 4.448565169 0.938678522 0.353721482 0.749226094 -6.548369309 stable

DMRT2 0.003955146 2.459910973 0.938633465 0.353744329 0.749226094 -6.548411369 stable

GDNF 0.002837125 2.386054795 0.938547427 0.353787959 0.749226094 -6.548491681 stable

LOC101927690 -0.003523713 2.848732712 -0.938528595 0.353797509 0.749226094 -6.548509258 stable

FAM20C -0.220397613 7.297277564 -0.938424031 0.353850539 0.749226094 -6.54860685 stable

SERGEF -0.103624972 6.930729697 -0.938368971 0.353878464 0.749226094 -6.548658235 stable

LOC339874 0.002600999 2.583499083 0.938334093 0.353896155 0.749226094 -6.548690783 stable

IFNE 0.003884778 2.184395584 0.938205394 0.353961438 0.749226094 -6.548810877 stable

LINC00644 0.008118269 3.154394049 0.938204659 0.35396181 0.749226094 -6.548811562 stable

FGF8 0.003190248 2.461725226 0.938193653 0.353967394 0.749226094 -6.548821832 stable

FAM188B /// INMT-FAM188B -0.014363498 3.279437206 -0.938153214 0.353987908 0.749226094 -6.548859562 stable

IKZF4 -0.012182522 2.439497973 -0.938053324 0.354038586 0.749265933 -6.548952758 stable

DBET /// DUX3 /// DUX4 /// DUX4L1 /// DUX4L2 /// DUX4L24 /// DUX4L3 /// DUX4L4 /// DUX4L5 /// DUX4L6 /// DUX4L7 /// DUX4L8 /// LOC100133400 /// LOC100287823 /// LOC100288289 /// LOC100291626 /// LOC652301 0.002646728 2.777470722 0.937773075 0.35418079 0.749382773 -6.549214172 stable

SPNS3 -0.100541709 5.689702957 -0.937753759 0.354190593 0.749382773 -6.549232187 stable

ZNF469 0.068205035 7.404755136 0.937700861 0.354217439 0.749382773 -6.54928152 stable

MTX2 -0.031596015 8.816322313 -0.937693381 0.354221235 0.749382773 -6.549288496 stable

TMEM97 -0.123631571 6.213726675 -0.937393339 0.354373536 0.7494422 -6.549568267 stable

BC035400 0.002631179 2.49056779 0.937376141 0.354382267 0.7494422 -6.549584301 stable

MAS1L -0.00920695 2.244189908 -0.937264177 0.354439112 0.7494422 -6.549688677 stable

XPNPEP2 0.043488487 2.626440714 0.937228137 0.354457411 0.7494422 -6.549722272 stable

LOC100288123 -0.014624257 2.848431084 -0.937178651 0.354482538 0.7494422 -6.549768398 stable

KCNH4 -0.01042213 2.149931727 -0.937142462 0.354500914 0.7494422 -6.549802129 stable

TEPP -0.010835747 2.716380089 -0.936964189 0.354591447 0.7494422 -6.549968275 stable

CD320 0.134957557 7.821538216 0.936927768 0.354609944 0.7494422 -6.550002215 stable

CEP89 -0.028663753 2.214790942 -0.936866473 0.354641076 0.7494422 -6.550059331 stable

RP11-742B18.1 0.004997589 2.932342089 0.936837201 0.354655944 0.7494422 -6.550086606 stable

FLJ35816 0.00152586 2.215618191 0.936832005 0.354658583 0.7494422 -6.550091447 stable

FAM186B -0.002776529 2.603705395 -0.936826844 0.354661205 0.7494422 -6.550096257 stable

LOC255177 0.003356329 2.689883665 0.936822247 0.35466354 0.7494422 -6.55010054 stable

TYW1 0.053903279 9.292295737 0.936669489 0.354741138 0.749476601 -6.550242862 stable

BAIAP2L1 -0.031039668 3.203323162 -0.936545828 0.354803963 0.749476601 -6.550358058 stable

C19orf40 -0.042310219 6.113213658 -0.936529325 0.354812348 0.749476601 -6.550373431 stable

PLD6 0.002389733 2.44086426 0.93650141 0.354826531 0.749476601 -6.550399432 stable

TLL1 0.002465597 2.454554514 0.936476593 0.354839141 0.749476601 -6.550422548 stable

OAF -0.150523415 9.01755942 -0.936386921 0.354884706 0.749484861 -6.550506067 stable

CYYR1 0.0108942 3.022544686 0.936333515 0.354911845 0.749484861 -6.550555805 stable

LRRC7 -0.019549801 2.761339045 -0.936280778 0.354938645 0.749484861 -6.550604917 stable

SNHG17 /// SNORA71B 0.07805525 5.003889146 0.93616186 0.354999083 0.749530761 -6.550715652 stable

TRMU -0.051596185 8.271886506 -0.936043341 0.355059324 0.749530761 -6.550826002 stable

RASL11B 0.011166036 2.303469221 0.936032842 0.355064661 0.749530761 -6.550835776 stable

ZFPL1 -0.065662358 8.145132395 -0.935987228 0.355087848 0.749530761 -6.550878242 stable

LYPD4 0.004265786 2.803301176 0.935690049 0.355238937 0.749782398 -6.551154862 stable

TRY2P -0.005894597 2.321556534 -0.935463845 0.355353971 0.749858753 -6.551365362 stable

CPXM2 -0.005164653 2.063850009 -0.935394492 0.355389244 0.749858753 -6.55142989 stable

MTF1 -0.071671481 9.385424778 -0.935387338 0.355392883 0.749858753 -6.551436546 stable

AKT2 -0.100849959 5.049864205 -0.935355938 0.355408854 0.749858753 -6.55146576 stable

LRWD1 /// MIR4467 -0.077247127 7.433356707 -0.935270347 0.355452391 0.749858753 -6.551545387 stable

TFAP2B 0.002348992 2.622316368 0.935242815 0.355466396 0.749858753 -6.551570999 stable

KLHL41 0.005000321 2.83756144 0.935158379 0.35550935 0.749882111 -6.551649543 stable

ADAT3 0.033557304 5.065921997 0.934985227 0.355597446 0.749997248 -6.55181059 stable

TMCO2 0.001913945 2.292832701 0.934925754 0.355627707 0.749997248 -6.551865899 stable

SURF2 -0.044397927 6.47412327 -0.934742312 0.35572106 0.750086152 -6.552036476 stable

FTCDNL1 0.052965657 3.217849913 0.93469321 0.35574605 0.750086152 -6.552082128 stable

APCDD1 /// LOC100130468 0.008166851 3.104753776 0.93465493 0.355765533 0.750086152 -6.552117718 stable

CTD-2292M16.8 0.195780868 6.363460556 0.934373592 0.355908747 0.750214667 -6.552379239 stable

GMCL1 /// GMCL1P1 0.109854478 8.247958767 0.934367569 0.355911813 0.750214667 -6.552384837 stable

ZFPM2 0.002346102 2.446479744 0.934181222 0.356006693 0.750214667 -6.552558016 stable

RP11-443B7.1 -0.076576413 3.520515376 -0.934073249 0.356061676 0.750214667 -6.552658343 stable

TLR8-AS1 0.005137705 2.323944414 0.934063025 0.356066883 0.750214667 -6.552667843 stable

BC047942 /// RP11-122K13.14 -0.006244124 2.442397315 -0.934055142 0.356070897 0.750214667 -6.552675167 stable

PCNT 0.082516248 9.623674845 0.934045282 0.356075918 0.750214667 -6.552684328 stable

FAM182B /// FAM27B /// FAM27C 0.003157716 2.861835198 0.934034023 0.356081652 0.750214667 -6.552694789 stable

LOC101929726 -0.009239836 3.002677014 -0.933886657 0.356156707 0.750254108 -6.552831697 stable

SKIV2L -0.056570988 8.593363032 -0.933853951 0.356173366 0.750254108 -6.55286208 stable

COL6A5 0.003605378 2.749706733 0.93377841 0.356211845 0.750254108 -6.55293225 stable

RNU2-22P 0.023851601 3.606139098 0.933746771 0.356227962 0.750254108 -6.552961637 stable

MAP10 0.003175264 2.642690601 0.933562576 0.3563218 0.750345614 -6.553132707 stable

NOVA1 0.00205906 2.293786691 0.933536254 0.356335212 0.750345614 -6.553157151 stable

RP11-403P17.4 -0.114948836 9.533002697 -0.933339981 0.356435224 0.750348179 -6.553339399 stable

POLR2A 0.048340978 10.32460256 0.933071414 0.356572104 0.750348179 -6.553588714 stable

PPM1F 0.117555278 3.57709129 0.933043443 0.356586362 0.750348179 -6.553614677 stable

PAK7 0.007501068 3.080991557 0.933040293 0.356587968 0.750348179 -6.553617601 stable

FAM87A /// FAM87B 0.001226277 1.727770706 0.932942765 0.356637685 0.750348179 -6.553708117 stable

RAPGEF4 -0.013200438 3.161677903 -0.93293816 0.356640032 0.750348179 -6.553712391 stable

EMC10 -0.12138468 5.170051636 -0.932708824 0.35675696 0.750348179 -6.553925205 stable

RP11-550I24.2 0.00222324 2.446506695 0.932613211 0.356805715 0.750348179 -6.554013914 stable

AL110181 /// RP11-390E23.6 0.034025447 2.083309629 0.932608834 0.356807947 0.750348179 -6.554017975 stable

RELL2 -0.067428348 6.992311009 -0.932508648 0.35685904 0.750348179 -6.554110918 stable

DHRS9 0.173948553 6.491591671 0.932503463 0.356861684 0.750348179 -6.554115728 stable

LOC101928886 0.004483007 2.501224575 0.932490154 0.356868472 0.750348179 -6.554128074 stable

ANGPT2 -0.039493534 2.793609609 -0.932391444 0.356918817 0.750348179 -6.554219636 stable

AK057554 /// RP11-144L1.4 0.047286268 4.157980997 0.932319317 0.356955608 0.750348179 -6.554286535 stable

RPS6KB2 -0.040053401 7.763138204 -0.932313354 0.356958649 0.750348179 -6.554292066 stable

LMF2 -0.041273142 9.337620609 -0.932226904 0.357002748 0.750348179 -6.554372242 stable

KCNJ3 -0.017785367 2.431723002 -0.932199228 0.357016867 0.750348179 -6.554397908 stable

PRMT8 -0.009825009 2.449738667 -0.932172312 0.357030599 0.750348179 -6.554422869 stable

C7orf50 -0.095035231 8.265905702 -0.932057242 0.357089306 0.750348179 -6.554529571 stable

BMP2K -0.088098123 4.741675457 -0.932033753 0.357101291 0.750348179 -6.554551351 stable

RP11-333O1.1 0.001713363 2.125615938 0.932030053 0.357103179 0.750348179 -6.554554781 stable

RHBDD3 0.054386492 7.031583327 0.93200111 0.357117946 0.750348179 -6.554581616 stable

PIANP 0.002916292 2.280408686 0.931930398 0.357154028 0.750348179 -6.554647176 stable

RP11-884K10.7 0.083889227 6.225131726 0.931921252 0.357158695 0.750348179 -6.554655656 stable

LOC101929114 -0.003878711 2.420999547 -0.931880058 0.357179716 0.750348179 -6.554693846 stable

RP11-82L18.2 -0.018590035 3.962792444 -0.931854056 0.357192985 0.750348179 -6.554717951 stable

DLAT 0.049035161 8.666936857 0.931824862 0.357207883 0.750348179 -6.554745014 stable

SSTR2 0.008393535 3.129029147 0.931747451 0.357247389 0.750348179 -6.554816772 stable

LINC00280 0.004540232 3.46767218 0.931619357 0.357312768 0.750348179 -6.554935498 stable

LINC00595 -0.015421733 2.346431621 -0.931607705 0.357318716 0.750348179 -6.554946298 stable

UBXN1 -0.032337995 10.90604492 -0.931553628 0.357346318 0.750348179 -6.554996414 stable

MORN1 -0.005218507 2.643075544 -0.931514463 0.357366311 0.750348179 -6.55503271 stable

PHKG1 0.030593347 2.466687028 0.931469686 0.357389169 0.750348179 -6.555074204 stable

IGF2-AS 0.008511493 2.62195862 0.9313739 0.35743807 0.750383867 -6.555162962 stable

OBSCN -0.047157898 5.724417136 -0.931136389 0.357559342 0.750568287 -6.555383007 stable

AXL -0.069562747 2.754942259 -0.931076868 0.357589738 0.750568287 -6.555438143 stable

SLC25A21 0.00520947 2.948295209 0.930955382 0.357651782 0.750631532 -6.555550667 stable

GUCY1A3 -0.206869247 8.540047422 -0.930629484 0.357818258 0.750722463 -6.555852457 stable

GRAP -0.131362907 7.301765117 -0.930585812 0.35784057 0.750722463 -6.555892891 stable

MAP3K12 0.058844892 7.252552256 0.93050199 0.357883398 0.750722463 -6.555970492 stable

NDST4 0.006916177 2.764243252 0.930456586 0.357906598 0.750722463 -6.556012524 stable

BC040901 /// CTC-241N9.1 /// LOC100996419 0.059408823 3.782556518 0.930439257 0.357915453 0.750722463 -6.556028565 stable

FAM43A 0.07603503 4.263717568 0.93043352 0.357918385 0.750722463 -6.556033876 stable

PCDHGC5 0.001916885 2.279527851 0.930433239 0.357918528 0.750722463 -6.556034136 stable

TNFSF11 0.038801683 3.243534506 0.929975593 0.358152431 0.751146084 -6.556457672 stable

ST5 0.02948727 2.577957891 0.929901478 0.35819032 0.75115857 -6.556526243 stable

LOC645513 0.057655494 4.194049073 0.929787618 0.358248534 0.751213673 -6.556631578 stable

RPLP0 -0.019544197 15.14192548 -0.929570003 0.358359812 0.751339422 -6.556832864 stable

KIF17 0.001315454 1.95073507 0.929545409 0.35837239 0.751339422 -6.55685561 stable

NSUN7 0.002134728 2.400803167 0.929425607 0.358433661 0.751349097 -6.5569664 stable

HLA-DRA -0.054682555 14.96409429 -0.929406632 0.358443366 0.751349097 -6.556983947 stable

PSMF1 -0.036271199 10.82839133 -0.929314878 0.358490299 0.751349097 -6.557068788 stable

PHC3 -0.073703733 6.634223076 -0.92928657 0.358504779 0.751349097 -6.557094962 stable

RP11-138I18.2 -0.033990785 4.091615111 -0.929112095 0.358594037 0.751469204 -6.557256266 stable

CHAD -0.032063697 3.354475004 -0.928956549 0.358673624 0.751480273 -6.557400045 stable

KLF1 -0.040821937 2.646502396 -0.928927365 0.358688557 0.751480273 -6.557427019 stable

LOC101929910 /// LOC613037 /// NPIPA5 /// NPIPB3 /// NPIPB4 /// NPIPB5 -0.145730307 9.534147399 -0.928822368 0.358742288 0.751480273 -6.557524057 stable

LOC101928921 0.002938109 2.229998607 0.928759484 0.35877447 0.751480273 -6.557582169 stable

C1orf168 0.001755357 2.507615378 0.928741844 0.358783498 0.751480273 -6.55759847 stable

BMP8B 0.00974041 2.213506693 0.928698845 0.358805505 0.751480273 -6.557638204 stable

LOC102467079 0.001860485 2.679512978 0.928664734 0.358822965 0.751480273 -6.557669723 stable

ACBD3 -0.069003508 8.670262475 -0.928557139 0.358878038 0.751498812 -6.557769135 stable

LOC102724967 -0.143839957 4.87664024 -0.928522603 0.358895717 0.751498812 -6.557801042 stable

ITFG2 -0.069775069 8.119125591 -0.928449765 0.358933004 0.751508999 -6.557868332 stable

GLUD2 0.002185441 2.463282721 0.928388277 0.358964483 0.751508999 -6.557925133 stable

BC069804 /// SMAD1 0.010664823 2.89307235 0.928306344 0.359006432 0.751529929 -6.558000815 stable

RPN2 -0.040269445 12.35507439 -0.928141435 0.359090872 0.751639798 -6.558153121 stable

AC017104.6 0.044838219 4.298048654 0.927920639 0.35920395 0.751809585 -6.558357004 stable

CT55 -0.002865115 2.253804375 -0.927821316 0.359254825 0.751849162 -6.558448703 stable

BEST1 -0.039511301 1.781198434 -0.927742298 0.359295302 0.751866975 -6.558521649 stable

IMMP2L -0.092193436 3.009664565 -0.927479795 0.359429792 0.752040913 -6.558763939 stable

OCRL -0.082158343 5.331235947 -0.927447128 0.359446531 0.752040913 -6.558794087 stable

MRPL45P2 0.01586627 3.463150253 0.927392856 0.359474342 0.752040913 -6.55884417 stable

LINC00967 -0.016479087 2.837163887 -0.92716995 0.35958858 0.752110412 -6.559049841 stable

ALAS2 -0.330679795 4.072387817 -0.927148502 0.359599573 0.752110412 -6.559069629 stable

APOBEC2 -0.022726409 3.016108088 -0.926931338 0.359710893 0.752110412 -6.559269952 stable

SEPW1 0.060321738 11.58816505 0.926918281 0.359717587 0.752110412 -6.559281995 stable

NFAT5 0.184918784 6.470532294 0.92674157 0.359808189 0.752110412 -6.559444969 stable

RP5-968J1.1 -0.010861521 2.971332295 -0.926738255 0.359809888 0.752110412 -6.559448025 stable

PSMA2 0.056565363 9.01266361 0.926572913 0.359894675 0.752110412 -6.559600485 stable

FAM47E 0.004515818 2.49609214 0.926566103 0.359898167 0.752110412 -6.559606764 stable

CD2AP 0.057003526 9.677458402 0.926554825 0.359903951 0.752110412 -6.559617162 stable

PART1 0.003348243 2.605249318 0.926460454 0.35995235 0.752110412 -6.559704167 stable

BNIP2 -0.041952278 11.07297369 -0.926305669 0.360031743 0.752110412 -6.559846853 stable

CCDC169 /// CCDC169-SOHLH2 0.01125115 3.3487725 0.926295942 0.360036732 0.752110412 -6.559855819 stable

LOC285191 -0.001663828 2.079101925 -0.926230218 0.360070448 0.752110412 -6.559916398 stable

MTX1 -0.082900664 9.558150581 -0.926139832 0.360116817 0.752110412 -6.559999701 stable

LOC100507630 -0.03905151 5.918004776 -0.926052994 0.360161371 0.752110412 -6.560079728 stable

GAGE1 /// GAGE12B /// GAGE12C /// GAGE12D /// GAGE12E /// GAGE12F /// GAGE12G /// GAGE12H /// GAGE12I /// GAGE12J /// GAGE13 /// GAGE2A /// GAGE2C /// GAGE2D /// GAGE2E /// GAGE4 /// GAGE5 /// GAGE6 /// GAGE7 /// GAGE8 -0.00253765 2.423892689 -0.926006506 0.360185223 0.752110412 -6.560122566 stable

ACVR2B -0.037768293 3.731190344 -0.925994077 0.3601916 0.752110412 -6.560134018 stable

E4F1 0.025823029 8.947915035 0.92579154 0.360295533 0.752110412 -6.560320628 stable

LOC642426 0.02262383 3.659769245 0.925623947 0.36038155 0.752110412 -6.560475013 stable

LINC00852 -0.137911488 6.7244466 -0.925598962 0.360394374 0.752110412 -6.560498027 stable

RP3-486D24.1 -0.039338176 12.56533276 -0.925558076 0.360415362 0.752110412 -6.560535686 stable

NAALADL2-AS3 0.003628112 2.75045893 0.925446531 0.360472622 0.752110412 -6.560638417 stable

FBXO43 -0.009220223 2.880813446 -0.925412441 0.360490123 0.752110412 -6.560669811 stable

MUC15 0.007674502 3.004848596 0.925357581 0.360518289 0.752110412 -6.560720332 stable

PPY2 0.001542913 2.253594395 0.925196714 0.360600886 0.752110412 -6.560868454 stable

ARHGEF1 -0.086701479 7.184205854 -0.925179366 0.360609794 0.752110412 -6.560884426 stable

FREM2 0.003927254 2.768584957 0.925085468 0.360658012 0.752110412 -6.560970873 stable

PMS2P4 -0.006665375 2.531362238 -0.92504238 0.36068014 0.752110412 -6.561010538 stable

LINC00622 0.036393272 3.09340824 0.92501139 0.360696056 0.752110412 -6.561039066 stable

HIVEP2 0.10298196 9.263492608 0.925009658 0.360696945 0.752110412 -6.56104066 stable

LOC100129476 0.002220989 2.655802595 0.924936129 0.360734709 0.752110412 -6.561108343 stable

TRPM5 -0.002361422 2.548168227 -0.924906022 0.360750173 0.752110412 -6.561136054 stable

C10orf55 0.009859826 3.54629794 0.924745252 0.360832755 0.752110412 -6.561284019 stable

OXCT1 -0.067412983 9.790237123 -0.924712991 0.360849327 0.752110412 -6.561313707 stable

DSTNP1 /// DSTNP1 0.07509943 4.854139564 0.924583357 0.360915927 0.752110412 -6.561432993 stable

ATP5I -0.03764379 11.13870557 -0.924535394 0.36094057 0.752110412 -6.561477123 stable

MRPS11 0.060134521 9.227894425 0.924441151 0.360988995 0.752110412 -6.56156383 stable

TSR1 -0.103277898 8.669749229 -0.924435209 0.360992048 0.752110412 -6.561569297 stable

OXGR1 -0.001852715 2.275804906 -0.924383176 0.361018786 0.752110412 -6.561617164 stable

HMHB1 0.004610634 3.355150776 0.924250224 0.361087111 0.752110412 -6.561739462 stable

DDX58 0.094874275 10.08124886 0.924244151 0.361090232 0.752110412 -6.561745048 stable

MB21D2 -0.102318599 7.432193865 -0.924109278 0.361159554 0.752110412 -6.561869095 stable

ZBTB12 0.001727721 2.374250147 0.924108392 0.361160009 0.752110412 -6.561869909 stable

CRHBP 0.002055335 2.355747068 0.92404223 0.361194018 0.752110412 -6.561930754 stable

CES1P1 -0.006423487 2.993907681 -0.924035541 0.361197456 0.752110412 -6.561936906 stable

COIL -0.067233591 6.568526117 -0.923906597 0.361263743 0.752110412 -6.562055474 stable

EGLN2 0.001501891 2.155900776 0.923844558 0.361295638 0.752110412 -6.562112515 stable

MTRF1L -0.056274986 5.0444627 -0.923809451 0.361313688 0.752110412 -6.562144793 stable

TBC1D15 -0.039455798 9.990900391 -0.923788334 0.361324546 0.752110412 -6.562164207 stable

NSA2 -0.063493332 13.2547558 -0.923762735 0.361337708 0.752110412 -6.562187741 stable

PLA2G2E 0.00360759 2.657768839 0.923716559 0.36136145 0.752110412 -6.562230191 stable

AK056982 0.008512112 3.0809484 0.923667801 0.361386522 0.752110412 -6.562275013 stable

TAS2R45 -0.021532377 3.479139533 -0.923625413 0.361408319 0.752110412 -6.562313978 stable

C4orf45 0.002980878 2.385976495 0.923610739 0.361415865 0.752110412 -6.562327466 stable

NACA 0.013280927 15.44739073 0.923299837 0.361575768 0.752110412 -6.562613198 stable

MEX3D -0.013309821 2.69719399 -0.92329195 0.361579825 0.752110412 -6.562620445 stable

EPS15P1 /// EPS15P1 0.013151076 3.508599475 0.923178605 0.361638132 0.752110412 -6.56272459 stable

DYNC1I1 0.001775595 2.522866978 0.923174408 0.361640292 0.752110412 -6.562728447 stable

TRIM54 0.004802107 2.750879599 0.923135235 0.361660445 0.752110412 -6.562764437 stable

CCDC102B 0.008971298 3.065989194 0.923132165 0.361662024 0.752110412 -6.562767258 stable

PFDN1 -0.033918329 8.812075208 -0.923121484 0.361667519 0.752110412 -6.562777071 stable

IQCF5-AS1 0.001610948 2.262158144 0.923096544 0.361680351 0.752110412 -6.562799984 stable

OR8G1 0.003978128 2.262020627 0.922930189 0.361765945 0.752110412 -6.562952801 stable

U2AF1L4 -0.10983744 8.727877232 -0.922899876 0.361781543 0.752110412 -6.562980644 stable

SOAT1 0.094407708 9.326409886 0.922893958 0.361784589 0.752110412 -6.56298608 stable

TRIM9 0.003359895 2.838590315 0.922864772 0.361799608 0.752110412 -6.563012888 stable

RP1-130G2.1 -0.039648436 5.551337558 -0.922827779 0.361818644 0.752110412 -6.563046864 stable

MBD3L1 0.010484445 3.167881051 0.922748792 0.361859294 0.752110412 -6.563119406 stable

KLK11 -0.004893879 2.173301799 -0.922746713 0.361860364 0.752110412 -6.563121315 stable

SGOL1 -0.004230752 2.336955039 -0.922721388 0.361873398 0.752110412 -6.563144573 stable

MCOLN3 0.005669549 2.477629847 0.922686553 0.361891327 0.752110412 -6.563176563 stable

SLC6A9 0.00223813 2.308939424 0.922659807 0.361905092 0.752110412 -6.563201123 stable

NPY1R 0.002471167 2.567066533 0.922601771 0.361934964 0.752110412 -6.563254416 stable

ZSCAN2 0.038825618 3.068920556 0.922532954 0.361970387 0.752110412 -6.563317603 stable

BACH1 /// GRIK1-AS2 /// LINC00189 0.021076256 3.661322599 0.922449632 0.36201328 0.752110412 -6.563394104 stable

BSPRY 0.02541229 3.586244874 0.922419362 0.362028863 0.752110412 -6.563421894 stable

RP11-533E19.5 0.004545083 2.506449135 0.92240895 0.362034223 0.752110412 -6.563431452 stable

OR7A10 -0.008660408 3.523752518 -0.922374599 0.362051908 0.752110412 -6.563462988 stable

DTWD1 -0.016980395 3.824038547 -0.922313582 0.362083323 0.752110412 -6.563519001 stable

DKFZP434L187 0.010190644 3.263597995 0.922296665 0.362092032 0.752110412 -6.563534529 stable

LOC100132077 0.011411589 2.783602509 0.922282524 0.362099314 0.752110412 -6.56354751 stable

RP11-506N2.1 0.002828235 2.671486744 0.922164035 0.362160324 0.752110412 -6.563656268 stable

ZSCAN25 0.041608171 8.520300161 0.922157758 0.362163556 0.752110412 -6.563662028 stable

LOC101927003 0.006268909 3.074059404 0.922003941 0.362242768 0.752110412 -6.563803191 stable

ITIH6 0.002707758 2.135143007 0.921997801 0.36224593 0.752110412 -6.563808826 stable

CAPN8 0.001926274 2.499429666 0.921917966 0.362287048 0.752110412 -6.563882084 stable

TMEM238 0.010207345 2.358490529 0.921893762 0.362299514 0.752110412 -6.563904293 stable

KCNJ1 0.022687517 2.670206641 0.921851154 0.362321461 0.752110412 -6.563943388 stable

MIR10A -0.011692749 3.113086688 -0.921659954 0.362419953 0.752169173 -6.564118799 stable

RP11-846E15.2 -0.113167876 9.954957354 -0.921617503 0.362441823 0.752169173 -6.56415774 stable

LRRC29 -0.019788671 2.350662496 -0.921546656 0.362478324 0.752169173 -6.564222725 stable

PRSS16 0.002617628 2.506331872 0.921528897 0.362487475 0.752169173 -6.564239014 stable

LOC100506497 0.011051485 3.453764864 0.921426369 0.362540303 0.752169173 -6.564333049 stable

LINC01393 0.004930681 2.789581005 0.921351392 0.362578939 0.752169173 -6.564401808 stable

HES1 0.005033452 2.713715656 0.921300488 0.362605172 0.752169173 -6.564448488 stable

MGC16025 0.006157809 2.926276763 0.921299662 0.362605597 0.752169173 -6.564449245 stable

LOC101927278 -0.021952019 2.657333858 -0.921202842 0.362655496 0.752185537 -6.564538024 stable

DIRC1 0.00848879 3.43698909 0.921073305 0.362722262 0.752185537 -6.564656788 stable

GCM1 0.002661578 2.50021055 0.921052669 0.362732899 0.752185537 -6.564675707 stable

LOC729307 0.005149962 2.479417028 0.920998192 0.362760981 0.752185537 -6.564725648 stable

RFXAP 0.018963034 4.624889884 0.920878857 0.3628225 0.752185537 -6.564835036 stable

SGIP1 0.006226643 3.152897612 0.920806172 0.362859974 0.752185537 -6.564901656 stable

LINC00869 0.038683364 3.860968217 0.920805137 0.362860507 0.752185537 -6.564902604 stable

PCDH19 0.002321352 2.798378273 0.920723031 0.362902841 0.752185537 -6.564977852 stable

FMN1 0.003028462 2.700746808 0.920689909 0.36291992 0.752185537 -6.565008207 stable

PSMD3 -0.04025611 10.26659632 -0.920664002 0.362933279 0.752185537 -6.565031948 stable

DNAJC13 0.07949306 6.841019543 0.92057664 0.362978329 0.752212624 -6.565112002 stable

CCK -0.034376887 2.871379927 -0.920461624 0.363037645 0.752226314 -6.565217384 stable

NOSIP -0.096276053 12.29860265 -0.920439806 0.363048898 0.752226314 -6.565237374 stable

CDC14C 0.011318055 3.348151284 0.92022871 0.363157782 0.752385642 -6.565430753 stable

RP11-13K12.5 0.032692266 2.665278686 0.920134142 0.363206568 0.752419579 -6.56551737 stable

GSDMD 0.08340539 8.831467643 0.920072943 0.363238141 0.752419579 -6.565573419 stable

SNORD3A /// SNORD3B-1 /// SNORD3B-2 /// SNORD3C /// SNORD3D 0.186234684 3.413969532 0.919901809 0.363326442 0.752459144 -6.565730134 stable

CASS4 0.09001944 6.244807011 0.919852483 0.363351895 0.752459144 -6.565775298 stable

AGAP3 -0.090905166 8.448286391 -0.919813471 0.363372027 0.752459144 -6.565811018 stable

OBP2A /// OBP2B 0.004185084 2.883900453 0.919787935 0.363385205 0.752459144 -6.565834398 stable

GLS2 0.016656592 3.627025472 0.919510666 0.363528313 0.752468343 -6.566088215 stable

RP11-63A11.1 0.005697486 2.461402666 0.919496711 0.363535517 0.752468343 -6.566100988 stable

SEC14L3 -0.031246385 2.619280238 -0.919441466 0.363564035 0.752468343 -6.566151551 stable

NUP62 0.044803284 10.78406054 0.91943746 0.363566103 0.752468343 -6.566155217 stable

LOC100509445 /// LOC728715 /// OVOS /// OVOS2 -0.433371871 8.195648902 -0.919432783 0.363568518 0.752468343 -6.566159498 stable

TMEM42 -0.057724997 8.897520502 -0.91939636 0.363587321 0.752468343 -6.566192832 stable

AAMP 0.045723822 9.886765411 0.919289735 0.363642369 0.752468343 -6.566290407 stable

CDC42EP5 0.010745063 2.897520826 0.919252209 0.363661744 0.752468343 -6.566324745 stable

FOXN1 0.001379172 2.233713015 0.919214884 0.363681016 0.752468343 -6.566358899 stable

LOC101928748 0.002293175 2.349114411 0.919111235 0.363734537 0.752468343 -6.566453734 stable

RP11-214K3.19 0.07998658 6.815599377 0.919078171 0.363751611 0.752468343 -6.566483983 stable

HEATR3 0.128273351 5.118915708 0.919035699 0.363773544 0.752468343 -6.566522839 stable

CLLU1 /// LOC100507616 -0.171828613 5.025212741 -0.918924083 0.363831188 0.752521401 -6.566624943 stable

CALCOCO2 -0.003998745 2.613742638 -0.918733674 0.363929539 0.752632055 -6.566799098 stable

SLC7A9 0.012376069 2.294234329 0.918673249 0.363960754 0.752632055 -6.566854358 stable

TSPAN2 0.051325425 3.981378341 0.918634674 0.363980682 0.752632055 -6.566889634 stable

LOC100131756 0.003516083 2.622703502 0.918501214 0.364049634 0.752666926 -6.567011668 stable

SLFNL1-AS1 0.013160501 2.829851035 0.918478159 0.364061546 0.752666926 -6.567032748 stable

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DAK -0.066855267 7.813741322 -0.918162291 0.364224776 0.75279962 -6.567321499 stable

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PEX3 -0.106483279 5.86583997 -0.918066937 0.364274061 0.75279962 -6.567408649 stable

MOGAT1 0.005345087 2.640473306 0.91804431 0.364285756 0.75279962 -6.567429328 stable

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BSDC1 -0.036459012 3.173303446 -0.917794086 0.364415112 0.752805351 -6.567657976 stable

IGF2BP1 -0.01740175 2.333302187 -0.917739415 0.364443378 0.752805351 -6.567707925 stable

DEFB121 -0.026116435 2.342580822 -0.917667854 0.36448038 0.752805351 -6.5677733 stable

DNTTIP2 -0.04337457 10.97043835 -0.917637396 0.364496129 0.752805351 -6.567801124 stable

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LOC101927420 -0.058782468 4.104727072 -0.917553193 0.364539671 0.752805351 -6.56787804 stable

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PGAM2 0.017199741 2.294329381 0.917481822 0.364576581 0.752805351 -6.56794323 stable

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DDIAS 0.181963584 6.754188819 0.917258239 0.364692222 0.752838904 -6.568147417 stable

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DPP10 0.004905662 2.778512431 0.917081005 0.364783908 0.752838904 -6.568309242 stable

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FAM71E1 0.001744077 2.387374525 0.917013983 0.364818583 0.752842419 -6.568370429 stable

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SEMG1 0.002147909 2.418256174 0.916728254 0.364966435 0.752901516 -6.568631234 stable

USP25 0.010409853 3.431282975 0.916728146 0.364966491 0.752901516 -6.568631333 stable

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HSPA4 0.140370605 4.809076181 0.916592769 0.365036556 0.752901516 -6.568754874 stable

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DEFB122 0.003014134 2.529197254 0.916525667 0.365071289 0.752901516 -6.568816103 stable

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HOXC13 0.044902361 3.544582895 0.915744151 0.365475963 0.753084463 -6.569528901 stable

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GPHB5 0.008200374 2.459466984 0.915120209 0.365799254 0.753126107 -6.570097564 stable

HORMAD1 -0.101641111 3.153357633 -0.91507907 0.365820576 0.753126107 -6.570135044 stable

NBEAL1 /// RPL12 0.023949788 15.4481146 0.914571173 0.366083886 0.753510975 -6.570597649 stable

ELF5 -0.001711406 2.020562614 -0.914509817 0.366115703 0.753510975 -6.570653517 stable

RNASEH2B -0.101218077 7.772531282 -0.914463642 0.366139649 0.753510975 -6.570695559 stable

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ITGAX 0.017264225 4.007904696 0.914392871 0.366176352 0.753510975 -6.570759992 stable

TRAIP 0.001669275 2.079645363 0.914307789 0.366220481 0.753510975 -6.570837448 stable

TM9SF2 0.065462102 12.23202927 0.914198079 0.366277388 0.753510975 -6.570937315 stable

KAT2B 0.066317869 10.76416793 0.914185777 0.366283769 0.753510975 -6.570948512 stable

POMT2 -0.019884337 3.935548619 -0.914063174 0.366347371 0.753510975 -6.5710601 stable

METTL9 -0.052485192 12.63598121 -0.914006216 0.366376921 0.753510975 -6.571111936 stable

PABPC5 0.005144799 2.8579889 0.913909494 0.366427105 0.753510975 -6.571199952 stable

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LDLRAD4-AS1 -0.004216098 2.26751176 -0.913390773 0.366696316 0.753510975 -6.571671835 stable

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ODF3B -0.086785047 4.94325564 -0.913128508 0.366832478 0.753510975 -6.571910321 stable

OTX2-AS1 0.008997764 3.238360414 0.91309728 0.366848693 0.753510975 -6.571938713 stable

GADD45GIP1 0.001209512 1.817963889 0.913068863 0.366863449 0.753510975 -6.571964548 stable

C20orf202 0.022115326 2.284305887 0.913007608 0.366895257 0.753510975 -6.572020236 stable

ARRDC3 -0.104672307 9.411925409 -0.912987625 0.366905635 0.753510975 -6.572038403 stable

LBH 0.10081803 12.22587604 0.912978386 0.366910433 0.753510975 -6.572046802 stable

CTDSP1 0.034454648 11.13086108 0.912887111 0.366957835 0.753510975 -6.572129772 stable

LOC101928612 -0.001877008 2.238047869 -0.912670288 0.367070454 0.753510975 -6.572326837 stable

LINC00202-2 -0.040685997 7.029946985 -0.912665244 0.367073074 0.753510975 -6.572331421 stable

UTP14A 0.07954003 4.82489478 0.912534785 0.367140846 0.753510975 -6.572449969 stable

LGI1 0.002939894 2.466009412 0.912242615 0.367292655 0.753510975 -6.572715405 stable

TSGA10 0.001622471 2.270018082 0.912218051 0.36730542 0.753510975 -6.572737718 stable

FAM110D 0.002360555 2.446521501 0.912128212 0.367352109 0.753510975 -6.572819319 stable

CXorf40B 0.039477827 9.571730355 0.912108172 0.367362524 0.753510975 -6.572837519 stable

LOC101928043 0.002678797 2.513534787 0.911973872 0.367432327 0.753510975 -6.572959487 stable

LCMT1 0.041935852 9.557338725 0.911933033 0.367453555 0.753510975 -6.572996572 stable

CNTFR-AS1 0.020385587 2.959843204 0.911932689 0.367453734 0.753510975 -6.572996884 stable

ELMOD3 -0.053613859 7.483467944 -0.911891075 0.367475366 0.753510975 -6.573034672 stable

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PGLS -0.134725797 7.798813107 -0.911729715 0.367559251 0.753510975 -6.573181178 stable

NOTCH3 -0.045563853 3.580341532 -0.911628639 0.367611804 0.753510975 -6.573272938 stable

LINC00691 0.013207147 3.521859918 0.911577303 0.367638497 0.753510975 -6.573319538 stable

CACNG1 0.024457702 3.469257201 0.911522087 0.367667208 0.753510975 -6.573369657 stable

MIRLET7DHG 0.014331406 2.801478892 0.911460762 0.367699099 0.753510975 -6.573425319 stable

BC041448 /// RP11-422J15.1 0.003117709 2.488453295 0.911368056 0.367747311 0.753510975 -6.573509457 stable

RPS10P7 0.032599472 4.500764857 0.911341627 0.367761056 0.753510975 -6.573533441 stable

LOC439911 0.11713169 8.039792929 0.9112845 0.367790768 0.753510975 -6.573585283 stable

RAD23A -0.028748503 9.961664033 -0.911220325 0.367824147 0.753510975 -6.573643516 stable

PRDM1 0.147887506 7.945118142 0.911200521 0.367834449 0.753510975 -6.573661486 stable

PLA2G5 -0.037371941 3.41541923 -0.911107655 0.367882756 0.753510975 -6.573745745 stable

MFSD3 0.084264027 5.570679805 0.91098405 0.367947059 0.753510975 -6.573857882 stable

AQP6 -0.00440919 2.771811162 -0.910962485 0.367958278 0.753510975 -6.573877445 stable

LOC727916 0.003287244 2.623278974 0.910889657 0.36799617 0.753510975 -6.573943507 stable

C10orf32 -0.076163797 10.48800958 -0.910854528 0.368014448 0.753510975 -6.573975371 stable

RHOT2 -0.040130988 9.105611534 -0.910843927 0.368019964 0.753510975 -6.573984987 stable

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ATP10B 0.002402579 2.103371656 0.910778758 0.368053874 0.753510975 -6.574044095 stable

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CTNNAP1 0.015968806 3.663708081 0.91077051 0.368058166 0.753510975 -6.574051576 stable

MFI2 0.002449928 2.515134208 0.910700862 0.368094409 0.753510975 -6.574114741 stable

C1orf194 -0.023896295 2.419141886 -0.910639683 0.368126247 0.753510975 -6.574170222 stable

MYH14 -0.029802465 2.647781254 -0.910634195 0.368129103 0.753510975 -6.574175199 stable

LOC101927150 0.019393925 2.843929847 0.910533948 0.368181277 0.753510975 -6.574266101 stable

DDX53 0.014381137 3.517275467 0.9103445 0.368279888 0.753510975 -6.574437862 stable

C16orf70 -0.032122476 3.474042735 -0.910274344 0.36831641 0.753510975 -6.57450146 stable

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NUSAP1 -0.131872738 7.128483757 -0.910258637 0.368324587 0.753510975 -6.574515698 stable

CXCL17 -0.018736241 3.666049889 -0.910209637 0.368350097 0.753510975 -6.574560114 stable

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HHLA1 -0.005944057 2.953688394 -0.910138 0.368387395 0.753510975 -6.574625045 stable

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LOC100129098 0.004934119 3.422766187 0.909892169 0.368515404 0.753510975 -6.574847826 stable

TCAP -0.067183986 5.604683998 -0.909891659 0.36851567 0.753510975 -6.574848288 stable

TF 0.003186152 2.398506174 0.909782615 0.36857246 0.753510975 -6.574947089 stable

MROH2A 0.003712862 2.842065065 0.909752113 0.368588347 0.753510975 -6.574974724 stable

ANKMY1 0.026654873 4.167972327 0.909683429 0.368624122 0.753510975 -6.575036949 stable

FAM160A2 0.065452975 9.713240432 0.909552639 0.368692252 0.753510975 -6.575155426 stable

DLX4 0.012909162 2.675524931 0.909543263 0.368697136 0.753510975 -6.575163919 stable

PRSS23 0.001453629 1.986158393 0.909538954 0.368699381 0.753510975 -6.575167821 stable

LOX 0.012559512 2.532950489 0.90947912 0.368730552 0.753510975 -6.575222016 stable

ZNF285 /// ZNF806 0.182094399 4.276884485 0.909322053 0.368812386 0.75361273 -6.575364264 stable

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FGFBP3 -0.034450453 4.672709983 -0.908500952 0.369240382 0.753977211 -6.576107512 stable

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HAUS7 -0.054172375 7.92350019 -0.908414782 0.369285316 0.753977211 -6.576185474 stable

NEU2 0.034362825 3.215460635 0.908377202 0.369304914 0.753977211 -6.576219473 stable

ANKRD52 -0.051846372 7.461709561 -0.908312186 0.369338821 0.753977211 -6.576278289 stable

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FAM47B 0.00369336 2.949253995 0.908242 0.369375426 0.753977211 -6.576341778 stable

KLHL42 0.042745613 8.663072619 0.908026311 0.369487933 0.754061584 -6.576536856 stable

CNTN3 0.003638996 2.689505171 0.907960779 0.36952212 0.754061584 -6.576596118 stable

GPR87 0.002549507 2.475570771 0.907863867 0.369572681 0.754061584 -6.576683748 stable

CATSPER2 /// LOC101930343 /// STRC -0.086617802 4.117522197 -0.907855259 0.369577172 0.754061584 -6.576691532 stable

SLC16A9 0.002607456 2.165560599 0.907795318 0.369608447 0.754061584 -6.576745727 stable

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EEF1A1 -0.010407264 2.847207719 -0.907477598 0.36977425 0.75418019 -6.577032936 stable

FAM83C -0.005138992 3.149532007 -0.907436871 0.369795507 0.75418019 -6.577069745 stable

C10orf40 0.003787618 2.83242986 0.907278187 0.369878338 0.754182556 -6.577213148 stable

LOC101926928 0.003777363 2.71897473 0.90723958 0.369898492 0.754182556 -6.577248034 stable

TMEM86B 0.057565025 6.796952757 0.907236693 0.369899999 0.754182556 -6.577250642 stable

LIPJ 0.010768224 3.238898069 0.907135801 0.369952672 0.754182556 -6.577341802 stable

NR2E1 0.001697058 2.402906526 0.907069022 0.369987537 0.754182556 -6.577402134 stable

KRT73 0.135203064 3.730731755 0.907066119 0.369989053 0.754182556 -6.577404757 stable

SCCPDH -0.077552624 8.853960684 -0.906793489 0.370131418 0.75432472 -6.577651022 stable

ATF3 0.002034616 2.240746881 0.906766779 0.370145367 0.75432472 -6.577675145 stable

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DNAJA1P4 /// DNAJA1P4 0.003310965 2.600039291 0.906635493 0.370213937 0.75432472 -6.577793706 stable

LOC101927159 0.006635492 2.059030408 0.906526676 0.370270778 0.75432472 -6.577891964 stable

LOC100130219 0.036581433 2.8247061 0.9064594 0.370305923 0.75432472 -6.577952706 stable

ATP2B3 -0.006941662 1.970917878 -0.906421888 0.37032552 0.75432472 -6.577986573 stable

LOC100505942 -0.009134098 2.174923899 -0.906335536 0.370370635 0.75432472 -6.578064528 stable

APOLD1 /// DDX47 -0.031878045 11.35581059 -0.906326956 0.370375118 0.75432472 -6.578072274 stable

CEP112 0.004882944 2.396584754 0.906318572 0.370379499 0.75432472 -6.578079843 stable

DKFZP586I1420 -0.078690064 10.53709983 -0.906139648 0.37047299 0.754449802 -6.578241344 stable

KIAA2013 /// LOC102724984 0.055574118 10.05197116 0.905894703 0.370601004 0.754613971 -6.578462388 stable

FOXB1 -0.002066559 2.353442619 -0.905768478 0.370666983 0.754613971 -6.578576274 stable

CD209 0.016586122 4.154974235 0.905766039 0.370668258 0.754613971 -6.578578474 stable

OR9A1P -0.024666972 3.452844043 -0.905739873 0.370681936 0.754613971 -6.57860208 stable

PAQR5 -0.006740465 2.697159893 -0.905571704 0.370769855 0.754727629 -6.578753782 stable

XPO1 -0.041919942 12.61689269 -0.905415758 0.370851394 0.754828283 -6.578894433 stable

KCNA1 0.00163388 2.408018988 0.90519497 0.370966858 0.754915809 -6.579093528 stable

HGFAC -0.008366881 2.528634867 -0.905102207 0.371015377 0.754915809 -6.579177162 stable

LRP11 0.04715574 4.414229727 0.905080848 0.371026548 0.754915809 -6.579196418 stable

AGL 0.069153951 10.06791756 0.905071433 0.371031473 0.754915809 -6.579204906 stable

EHD1 0.047881393 11.23880625 0.905026698 0.371054873 0.754915809 -6.579245234 stable

ALKBH6 -0.050096056 8.712297753 -0.904894131 0.371124222 0.754991596 -6.579364732 stable

CTIF 0.056056762 6.244325642 0.90473692 0.371206475 0.754993895 -6.579506423 stable

LOC100507311 0.005594796 2.475433224 0.904688255 0.371231938 0.754993895 -6.579550279 stable

KDELC1 0.068112977 2.988666816 0.904545655 0.371306559 0.754993895 -6.579678774 stable

IPP 0.021340463 3.628364445 0.904515463 0.371322359 0.754993895 -6.579705977 stable

FLJ38773 0.012152558 3.474036695 0.904464215 0.37134918 0.754993895 -6.57975215 stable

JMJD1C 0.050181215 11.00262722 0.904452871 0.371355117 0.754993895 -6.57976237 stable

SOAT2 -0.025814301 2.479771011 -0.904364732 0.371401248 0.754993895 -6.579841773 stable

GDPD2 -0.016846113 2.837859462 -0.904296319 0.371437057 0.754993895 -6.5799034 stable

LOC285696 0.005404625 2.75483237 0.904227947 0.371472847 0.754993895 -6.579964987 stable

PRO1596 -0.006994486 3.294720737 -0.904183339 0.371496199 0.754993895 -6.580005164 stable

LRGUK 0.016887072 2.551993337 0.904149673 0.371513823 0.754993895 -6.580035486 stable

PSMC5 -0.030675831 11.78238648 -0.904099194 0.37154025 0.754993895 -6.580080948 stable

CHTF8 -0.044681356 10.60971943 -0.904093911 0.371543016 0.754993895 -6.580085706 stable

SMCO3 0.00630751 2.569046885 0.904033328 0.371574734 0.754993895 -6.580140265 stable

PSMB1 0.030383542 12.75615675 0.90369638 0.371751176 0.755074738 -6.580443643 stable

LOC146513 0.003129564 2.645631669 0.903568879 0.371817956 0.755074738 -6.580558412 stable

CNTNAP1 -0.041838681 4.739166216 -0.903504744 0.371851549 0.755074738 -6.580616137 stable

LGSN 0.005827902 2.888907461 0.903443058 0.371883862 0.755074738 -6.580671654 stable

C14orf1 0.063436679 9.293899264 0.903391524 0.371910859 0.755074738 -6.580718031 stable

LOC100506100 -0.179594183 5.478815439 -0.903385868 0.371913822 0.755074738 -6.580723122 stable

RP11-498E2.7 -0.029236975 3.187499907 -0.90337855 0.371917656 0.755074738 -6.580729707 stable

SH2D4B 0.002085434 2.370053119 0.903366951 0.371923732 0.755074738 -6.580740145 stable

C11orf87 0.01047159 3.386503445 0.903288492 0.371964837 0.755074738 -6.580810747 stable

ENTPD3-AS1 0.015664913 3.289185392 0.903259138 0.371980217 0.755074738 -6.58083716 stable

C8orf74 -0.003514001 2.577119984 -0.903237775 0.371991409 0.755074738 -6.580856381 stable

TSTA3 -0.037636798 9.095433048 -0.903102495 0.372062293 0.755074738 -6.580978094 stable

RPP30 0.072211114 6.11615218 0.902993908 0.372119196 0.755074738 -6.581075777 stable

DGKD -0.055763225 11.60045207 -0.902990009 0.37212124 0.755074738 -6.581079285 stable

DQ576994 0.00207675 2.333104808 0.902962189 0.37213582 0.755074738 -6.58110431 stable

GTF2A1L 0.004400826 3.405623314 0.902927816 0.372153834 0.755074738 -6.581135228 stable

ANKRA2 -0.053556087 10.48778087 -0.902915557 0.372160259 0.755074738 -6.581146254 stable

HBE1 -0.084927952 3.284388094 -0.902798345 0.372221692 0.755134244 -6.581251675 stable

EIF3A 0.048089284 12.43677784 0.90268584 0.372280666 0.755188748 -6.581352851 stable

AP000462.1 0.03371194 3.975424916 0.902398245 0.372431444 0.755279077 -6.581611429 stable

HOXC6 0.005976988 2.571255826 0.902393235 0.372434072 0.755279077 -6.581615934 stable

LOC100505478 -0.028659503 5.060202612 -0.902354494 0.372454385 0.755279077 -6.581650759 stable

CSRP1 -0.05611016 9.714638394 -0.9021303 0.372571957 0.755279077 -6.581852269 stable

LINC01049 -0.038625728 3.086660629 -0.90212018 0.372577265 0.755279077 -6.581861364 stable

OR5J2 0.004211184 3.123062451 0.902104495 0.372585491 0.755279077 -6.58187546 stable

UROS -0.137472469 5.031946586 -0.902081592 0.372597504 0.755279077 -6.581896043 stable

RASGEF1B 0.029119474 3.568884036 0.90206207 0.372607743 0.755279077 -6.581913586 stable

HAS2 0.00336352 2.632872605 0.90201913 0.372630266 0.755279077 -6.581952174 stable

OTX1 -0.005739634 2.229418907 -0.901977669 0.372652013 0.755279077 -6.58198943 stable

PSMD12 0.041581706 10.20177 0.901910746 0.372687118 0.755279077 -6.582049562 stable

ATP2A1 0.001352321 2.157519383 0.901866128 0.372710524 0.755279077 -6.582089651 stable

RPL27AP /// RPL27AP -0.038857436 4.773102699 -0.901453142 0.372927216 0.755519615 -6.582460621 stable

SLC41A2 0.03458113 2.377159488 0.901429521 0.372939612 0.755519615 -6.582481834 stable

MAP3K3 -0.088076617 10.77216303 -0.901416546 0.372946421 0.755519615 -6.582493486 stable

FAM76B -0.074598507 6.958057737 -0.90139504 0.372957708 0.755519615 -6.582512798 stable

MRPS2 -0.056804858 8.863732854 -0.901332114 0.372990734 0.755521448 -6.582569305 stable

ZYX -0.072587954 12.57659846 -0.90106706 0.373129865 0.755711965 -6.582807277 stable

C1orf226 0.001681266 2.150447578 0.901004578 0.373162667 0.755711965 -6.582863365 stable

LOC101929260 0.003313308 2.717406124 0.900945162 0.373193862 0.755711965 -6.582916698 stable

ANO4 -0.002532207 2.270678637 -0.900884048 0.37322595 0.755711965 -6.58297155 stable

GABRD 0.001303123 2.06766718 0.900846937 0.373245436 0.755711965 -6.583004858 stable

MFAP2 0.006048304 2.933784147 0.900600092 0.373375064 0.755909354 -6.583226369 stable

C8A 0.00532082 3.196935778 0.900345378 0.373508855 0.756115137 -6.583454881 stable

SLC22A2 -0.001669226 2.328117333 -0.90025855 0.373554469 0.756142398 -6.583532763 stable

RNFT1 0.090866904 7.405537254 0.900164888 0.373603678 0.75617693 -6.583616767 stable

NMNAT3 -0.073638302 5.937464577 -0.899850633 0.373768812 0.756284681 -6.583898554 stable

LINC01420 -0.056206875 6.456635828 -0.899814523 0.37378779 0.756284681 -6.583930928 stable

C9orf9 -0.034917967 3.74025759 -0.899803542 0.373793561 0.756284681 -6.583940772 stable

LRIT1 0.001384609 2.182361089 0.899786022 0.37380277 0.756284681 -6.583956478 stable

PPCS -0.030702448 9.82606114 -0.89972032 0.373837303 0.756284681 -6.584015377 stable

WDR20 -0.121517087 5.05379243 -0.899673426 0.373861952 0.756284681 -6.584057412 stable

GRM3 0.001745078 2.452431724 0.899635306 0.373881989 0.756284681 -6.58409158 stable

NUS1 0.035289976 10.2157136 0.899529332 0.373937698 0.756332324 -6.584186563 stable

LOC148709 0.006125325 2.261429274 0.899401953 0.374004666 0.75640273 -6.584300716 stable

ARHGEF11 -0.098635163 7.782391586 -0.899339819 0.374037335 0.756403762 -6.584356393 stable

RP6-24A23.7 0.001625973 2.20310227 0.899233411 0.374093287 0.756451874 -6.584451734 stable

ERAL1 -0.058430309 8.111648586 -0.899025368 0.374202696 0.756577183 -6.584638109 stable

SIGLECL1 0.00385625 2.539004054 0.898957488 0.374238398 0.756577183 -6.58469891 stable

UBE2J2 0.054309802 7.458205149 0.898746628 0.374349317 0.756577183 -6.584887752 stable

KNSTRN 0.166791873 7.636840685 0.89870585 0.37437077 0.756577183 -6.584924267 stable

EDRF1 -0.062058952 6.036003815 -0.898692638 0.37437772 0.756577183 -6.584936098 stable

ADAMTS9-AS2 -0.004800755 2.352703524 -0.898630439 0.374410445 0.756577183 -6.584991791 stable

AX746755 /// RP11-774O3.3 0.210270444 5.117967797 0.898575049 0.374439588 0.756577183 -6.585041384 stable

SPDEF -0.030601005 5.818814027 -0.898547181 0.374454251 0.756577183 -6.585066334 stable

CDH7 0.013954947 3.466755097 0.898529116 0.374463757 0.756577183 -6.585082508 stable

TEX37 -0.008170021 3.284088721 -0.898504106 0.374476917 0.756577183 -6.585104898 stable

CCM2 0.057048564 11.50934425 0.898428047 0.37451694 0.756593055 -6.585172987 stable

MGST1 -0.156607823 8.792228591 -0.898103167 0.374687927 0.756815425 -6.585463762 stable

TOM1L2 -0.033339309 5.169157876 -0.898081658 0.374699249 0.756815425 -6.585483009 stable

CD248 -0.209666886 7.284974309 -0.898011282 0.374736296 0.756815425 -6.585545983 stable

PDLIM2 0.040039457 10.77078702 0.897936794 0.37477551 0.756815425 -6.585612631 stable

FOXP2 0.001895958 2.351721926 0.897895973 0.374797001 0.756815425 -6.585649152 stable

HMGN1 0.057463286 13.31316096 0.897852155 0.374820071 0.756815425 -6.585688354 stable

VDR -0.120218968 5.910641212 -0.897755716 0.374870849 0.756852982 -6.585774627 stable

GRIK3 0.001429157 2.349985611 0.897490279 0.375010632 0.756876255 -6.586012036 stable

LOC101927138 0.00731788 2.970622758 0.897480346 0.375015863 0.756876255 -6.586020918 stable

SKIV2L2 0.016762894 3.296785622 0.897297229 0.375112315 0.756876255 -6.586184659 stable

GTPBP8 0.065482929 9.470780725 0.897280652 0.375121047 0.756876255 -6.58619948 stable

LOC102725017 -0.083065546 4.335771764 -0.897149914 0.375189921 0.756876255 -6.586316363 stable

C5orf66-AS1 0.012997089 2.876614606 0.897144437 0.375192807 0.756876255 -6.586321259 stable

TK1 -0.179311839 3.821742704 -0.897136153 0.375197171 0.756876255 -6.586328664 stable

ZDBF2 -0.093939104 4.970225692 -0.897094603 0.375219062 0.756876255 -6.586365807 stable

PSMD8 0.043267211 11.37210352 0.897069416 0.375232332 0.756876255 -6.586388321 stable

SRFBP1 0.048895681 8.311939987 0.897055362 0.375239737 0.756876255 -6.586400884 stable

BTN2A3P -0.045769124 3.169458924 -0.897030047 0.375253075 0.756876255 -6.586423511 stable

AP000266.7 /// BC034802 /// LOC100128198 0.010480861 2.64434619 0.897000732 0.375268521 0.756876255 -6.586449714 stable

LMO4 -0.048866528 6.809562724 -0.896859921 0.37534272 0.756960999 -6.586575563 stable

POLR3G 0.038444273 3.722392723 0.896664228 0.375445855 0.757002904 -6.586750432 stable

UNC5B-AS1 0.008846199 2.916774362 0.89662593 0.375466041 0.757002904 -6.58678465 stable

DHX34 0.033378606 6.70868847 0.8966049 0.375477126 0.757002904 -6.586803439 stable

SMG5 -0.061179795 8.250973862 -0.896504232 0.37553019 0.757002904 -6.586893375 stable

KCNK9 0.002683793 2.433043919 0.896488561 0.375538451 0.757002904 -6.586907374 stable

GALR1 0.004085877 2.815285784 0.896454125 0.375556604 0.757002904 -6.586938136 stable

TRIM62 0.03603066 7.262830588 0.896374642 0.375598507 0.757022491 -6.587009134 stable

LRRC16B -0.061053297 6.908136997 -0.89629539 0.37564029 0.757041836 -6.587079921 stable

TRNP1 0.040264331 3.592934201 0.896145782 0.375719175 0.757106448 -6.58721353 stable

ZNF208 0.009123003 3.257446474 0.896112496 0.375736728 0.757106448 -6.587243254 stable

INHBE 0.003228805 2.682122173 0.895963976 0.375815052 0.757159571 -6.587375867 stable

B3GNT3 -0.018402878 4.644635845 -0.895899847 0.375848875 0.757159571 -6.587433121 stable

TMTC1 0.176723889 5.237302645 0.895800471 0.375901291 0.757159571 -6.587521835 stable

SPATA21 0.009588939 3.14348586 0.895800062 0.375901507 0.757159571 -6.5875222 stable

PRL 0.005335403 2.348819738 0.895691378 0.375958838 0.757159571 -6.587619213 stable

GRIP1 0.001627329 2.287209046 0.895685609 0.375961882 0.757159571 -6.587624362 stable

LOC102724612 0.00209433 2.339508288 0.895635291 0.375988427 0.757159571 -6.587669273 stable

SKA1 0.010064313 2.859959851 0.895491401 0.376064342 0.757235694 -6.587797686 stable

DPYS -0.037915816 2.840216211 -0.895426997 0.376098324 0.757235694 -6.587855156 stable

GLYR1 /// SEPT6 -0.094384751 12.65667676 -0.895374885 0.376125822 0.757235694 -6.587901655 stable

ABHD5 0.139905205 8.407422304 0.895319583 0.376155004 0.757235694 -6.587950997 stable

RNF41 0.08283408 8.388317164 0.895256374 0.376188361 0.757238035 -6.588007391 stable

ZNF521 0.011293102 2.89038554 0.895101558 0.376270069 0.757333148 -6.588145498 stable

SPCS1 -0.032676039 12.77247023 -0.895044836 0.376300008 0.757333148 -6.588196093 stable

MAT1A 0.002050084 2.208624552 0.894909377 0.376371513 0.757337426 -6.588316905 stable

TMCO5A 0.002138486 2.383530083 0.894838824 0.376408759 0.757337426 -6.588379823 stable

RALBP1 0.038320417 10.08623814 0.894823755 0.376416715 0.757337426 -6.588393261 stable

TEX13B 0.03991348 4.050544687 0.894796835 0.376430927 0.757337426 -6.588417266 stable

CCDC97 -0.053488155 7.528448931 -0.89463574 0.376515984 0.757398542 -6.588560903 stable

CYP2B6 0.005444314 2.884790925 0.894562106 0.376554867 0.757398542 -6.588626549 stable

CD207 -0.010765031 2.227498117 -0.894508517 0.376583166 0.757398542 -6.588674322 stable

LOC400940 -0.003897713 2.97477917 -0.894356716 0.376663337 0.757398542 -6.588809631 stable

HSD3B2 0.001650744 2.286926788 0.89435036 0.376666694 0.757398542 -6.588815296 stable

PKD2 0.069843778 8.910191651 0.894324118 0.376680554 0.757398542 -6.588838685 stable

TEC -0.031948127 3.700260832 -0.894312459 0.376686712 0.757398542 -6.588849076 stable

ATXN3L 0.002958891 2.540043383 0.89416239 0.376765981 0.757493174 -6.588982813 stable

ZNF385C -0.013690439 2.503788474 -0.893987224 0.376858521 0.757558243 -6.589138889 stable

RP4-813F11.4 0.044425331 4.466866138 0.8939792 0.376862761 0.757558243 -6.589146038 stable

ZC3H12B -0.024414954 3.911244405 -0.893910883 0.376898857 0.757566058 -6.589206901 stable

POMT1 -0.079080241 6.830784913 -0.893846117 0.376933079 0.757570105 -6.589264597 stable

ZSCAN5A 0.01474155 2.77316684 0.893719893 0.37699978 0.757590763 -6.589377029 stable

JAK2 -0.263630639 9.350231462 -0.893649034 0.377037228 0.757590763 -6.589440139 stable

CENPB 0.056832449 9.611516042 0.893346951 0.3771969 0.757590763 -6.589709133 stable

LOC414300 0.003688933 2.798785647 0.893168885 0.377291041 0.757590763 -6.589867654 stable

HOMER2 0.013498143 3.039443221 0.893111985 0.377321127 0.757590763 -6.589918303 stable

FAM43B -0.004393584 2.510139912 -0.893055804 0.377350834 0.757590763 -6.589968308 stable

GABRG1 0.001821059 2.337832627 0.893051126 0.377353307 0.757590763 -6.589972471 stable

ACTR3P2 /// ACTR3P2 0.007731648 3.277341363 0.893044258 0.377356939 0.757590763 -6.589978584 stable

PGR 0.001407146 2.369438665 0.892970794 0.377395787 0.757590763 -6.590043967 stable

WDR86-AS1 0.024373028 2.842935807 0.892952904 0.377405247 0.757590763 -6.590059887 stable

MIA2 0.004473462 2.768284388 0.892950015 0.377406775 0.757590763 -6.590062459 stable

LINC00690 0.003897306 2.770088538 0.892934443 0.377415011 0.757590763 -6.590076317 stable

ABHD16A 0.041905788 10.15285499 0.892928201 0.377418311 0.757590763 -6.590081872 stable

LOC100128108 -0.102031541 7.607169313 -0.89289381 0.377436499 0.757590763 -6.590112476 stable

LOC101929880 /// QPRT 0.095601432 4.710055368 0.89269171 0.377543391 0.757590763 -6.590292303 stable

COLCA2 0.003468756 2.854626919 0.892683982 0.377547479 0.757590763 -6.590299179 stable

PHC1 -0.081038436 9.253378039 -0.892659075 0.377560654 0.757590763 -6.590321338 stable

SHISA3 0.007424471 3.297518673 0.892644707 0.377568254 0.757590763 -6.59033412 stable

CNBP -0.026033027 14.16648802 -0.892635575 0.377573085 0.757590763 -6.590342245 stable

MOS -0.002230071 2.189523443 -0.892564496 0.377610686 0.757590763 -6.590405478 stable

STXBP4 0.008902976 3.040322897 0.892547364 0.377619749 0.757590763 -6.590420717 stable

ARID2 -0.178311048 9.787912517 -0.89238953 0.377703253 0.757693663 -6.590561108 stable

RP13-20L14.1 0.001277221 2.022145241 0.892128999 0.377841115 0.75787137 -6.590792793 stable

SCRN3 0.055917672 4.946488647 0.892100345 0.37785628 0.75787137 -6.590818271 stable

KRT13 0.001314417 2.114253775 0.891887928 0.377968709 0.757996249 -6.591007116 stable

MYLIP 0.083491074 10.40084819 0.89182624 0.378001364 0.757996249 -6.59106195 stable

LOC101928861 0.002125631 2.66599754 0.891800064 0.37801522 0.757996249 -6.591085217 stable

LOC100128751 0.104454882 6.526790081 0.891702496 0.378066873 0.758035199 -6.591171934 stable

GET4 /// SUN1 0.074517553 6.70723733 0.891552879 0.378146089 0.758079243 -6.591304896 stable

TNAP 0.003374562 3.041746958 0.891265013 0.378298533 0.758079243 -6.591560656 stable

PLXNB3 -0.011694327 2.861222955 -0.891135694 0.378367028 0.758079243 -6.591675526 stable

LZTR1 -0.04474854 8.535981091 -0.891107755 0.378381827 0.758079243 -6.591700341 stable

LOC101928191 0.007327225 2.579159643 0.891078188 0.378397489 0.758079243 -6.591726601 stable

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AOC4P -0.03386656 7.138754091 -0.89100845 0.378434432 0.758079243 -6.591788537 stable

KCNJ2-AS1 0.005367801 2.967268355 0.89099808 0.378439926 0.758079243 -6.591797746 stable

ITGB8 0.001985744 2.311676499 0.890863899 0.378511014 0.758079243 -6.591916901 stable

PDCD5 -0.048619346 7.974648365 -0.890746499 0.378573218 0.758079243 -6.592021139 stable

POLR2L -0.061190475 3.067848165 -0.890743622 0.378574742 0.758079243 -6.592023693 stable

RSU1P2 -0.036315245 2.921337778 -0.890704843 0.378595291 0.758079243 -6.592058122 stable

COL25A1 0.009612995 3.161222216 0.890702971 0.378596283 0.758079243 -6.592059784 stable

ACAP1 -0.085067041 9.517234802 -0.89068743 0.378604518 0.758079243 -6.592073581 stable

ZNF124 0.068402604 7.804181462 0.890553222 0.37867564 0.75815711 -6.592192719 stable

SYCE3 -0.017263298 3.633091484 -0.89035039 0.378783144 0.758212341 -6.592372743 stable

ADAM32 0.005047612 3.02262541 0.890325512 0.378796332 0.758212341 -6.592394821 stable

LOC101927067 0.001603921 2.448201807 0.89031252 0.378803218 0.758212341 -6.592406351 stable

OR4A1P /// OR4A1P -0.003974655 2.258214405 -0.890257908 0.378832168 0.758212341 -6.592454813 stable

ZNF853 0.017881521 3.514217369 0.889947682 0.378996645 0.758476992 -6.592730052 stable

KIAA0101 -0.233189503 6.973991051 -0.889795696 0.379077242 0.758573745 -6.592864863 stable

CRYGN 0.002465864 2.731065814 0.889530286 0.379218013 0.758790888 -6.593100228 stable

ZBTB39 0.051651516 6.506688238 0.889396939 0.379288752 0.758867874 -6.593218454 stable

IGHV1-69 0.016360103 3.49751221 0.889317114 0.379331102 0.758883006 -6.59328922 stable

SPTLC2 -0.101586814 9.904274322 -0.889261059 0.379360843 0.758883006 -6.59333891 stable

CHST4 -0.025954506 2.510918941 -0.889016599 0.379490564 0.759077944 -6.593555574 stable

CYP2A6 0.012689957 2.770128668 0.888640556 0.379690162 0.759386334 -6.593888748 stable

LINC00900 -0.027517519 2.570468233 -0.888574552 0.379725203 0.759386334 -6.593947214 stable

EI24 -0.043174085 8.073732309 -0.888481044 0.37977485 0.759386334 -6.594030035 stable

EPHA8 0.004798461 2.65574891 0.888473427 0.379778894 0.759386334 -6.594036781 stable

PEX7 0.063590198 5.763308042 0.888055666 0.380000748 0.759386334 -6.594406692 stable

C1orf100 0.002196412 2.40634203 0.888038583 0.380009822 0.759386334 -6.594421815 stable

ODF3L1 -0.002194527 2.421061322 -0.888033161 0.380012702 0.759386334 -6.594426615 stable

LINC00493 -0.044402622 11.17031718 -0.887989433 0.380035929 0.759386334 -6.594465323 stable

RFPL1 0.026419125 3.726306586 0.887950969 0.380056361 0.759386334 -6.594499371 stable

LOC100506498 0.004211064 2.745795239 0.887781862 0.380146198 0.759386334 -6.594649045 stable

FAR1P1 /// FAR1P1 0.063833196 5.54644373 0.887736708 0.380170188 0.759386334 -6.594689005 stable

SAP30 0.001674883 2.337805128 0.887707062 0.380185939 0.759386334 -6.594715239 stable

TCF7 -0.165255368 11.01990701 -0.887700986 0.380189167 0.759386334 -6.594720616 stable

OR5P3 0.002807571 2.40884417 0.887682234 0.380199131 0.759386334 -6.594737211 stable

PLEKHH3 0.001180844 1.943952275 0.88765044 0.380216024 0.759386334 -6.594765344 stable

ART5 -0.003577945 2.507993732 -0.887478078 0.380307616 0.759386334 -6.594917849 stable

ACAN -0.006345168 2.086763732 -0.887459397 0.380317543 0.759386334 -6.594934376 stable

GCHFR 0.103854428 7.446732848 0.887394562 0.380352 0.759386334 -6.594991733 stable

LOC101927616 0.007217506 2.929598502 0.887285168 0.380410142 0.759386334 -6.595088501 stable

ALDH1B1 0.0494148 3.45283095 0.887232426 0.380438176 0.759386334 -6.595135151 stable

ZNF541 -0.00850075 2.179765268 -0.887226038 0.380441572 0.759386334 -6.595140801 stable

DMRT1 0.003550982 2.860185691 0.88720936 0.380450437 0.759386334 -6.595155552 stable

TUFM -0.057154692 11.72602433 -0.887205381 0.380452552 0.759386334 -6.595159071 stable

BCL2L10 -0.008301346 2.644770738 -0.887160892 0.380476201 0.759386334 -6.595198418 stable

RNF133 0.001654737 2.322330403 0.887105283 0.380505762 0.759386334 -6.595247598 stable

PTK2 -0.056031474 4.478221649 -0.886982856 0.380570848 0.759386334 -6.595355858 stable

KIAA0754 0.201666072 7.275001337 0.886912275 0.380608375 0.759386334 -6.595418267 stable

C16orf91 0.067143811 7.75512706 0.88684715 0.380643002 0.759386334 -6.595475846 stable

LA16c-380H5.5 -0.038819653 3.053943268 -0.886812598 0.380661375 0.759386334 -6.595506393 stable

CTD-2130O13.1 -0.001952709 2.217918915 -0.886632641 0.380757074 0.759386334 -6.595665473 stable

SMAD2 -0.036103752 10.5859377 -0.886616313 0.380765757 0.759386334 -6.595679904 stable

PBX2 0.078183563 7.937589384 0.8865829 0.380783528 0.759386334 -6.595709437 stable

LOC101927049 -0.001821403 2.281799583 -0.886329218 0.380918465 0.759386334 -6.595933624 stable

TTYH2 -0.101291069 9.014955992 -0.886297604 0.380935283 0.759386334 -6.595961557 stable

S100A2 0.002086866 2.361176335 0.886292208 0.380938154 0.759386334 -6.595966326 stable

TTC25 0.013515133 3.649086442 0.88624118 0.3809653 0.759386334 -6.596011411 stable

SLX4 -0.037212671 7.434143889 -0.886179912 0.380997897 0.759386334 -6.596065542 stable

POM121C 0.073163737 10.6049094 0.886167763 0.381004361 0.759386334 -6.596076275 stable

APOC2 -0.034013803 3.338075475 -0.8861296 0.381024666 0.759386334 -6.59610999 stable

ADAMTS3 0.002084532 2.337068918 0.886118322 0.381030666 0.759386334 -6.596119953 stable

OR5P2 0.001423388 1.748360271 0.886115045 0.38103241 0.759386334 -6.596122847 stable

CACNB4 -0.020795502 2.633880454 -0.886070313 0.381056211 0.759386334 -6.596162363 stable

RP11-505K9.4 0.00163563 2.273866865 0.885870318 0.381162637 0.759386334 -6.596339011 stable

DACT2 0.005867884 2.556636084 0.885870189 0.381162706 0.759386334 -6.596339125 stable

SLC23A2 -0.030260346 2.491671942 -0.885858886 0.381168721 0.759386334 -6.596349108 stable

WDR93 0.004997824 2.12144538 0.885743167 0.38123031 0.759386334 -6.5964513 stable

AX746830 -0.002419371 2.70097848 -0.885706459 0.381249848 0.759386334 -6.596483714 stable

LOC101927273 -0.003972079 2.745623166 -0.885603945 0.381304415 0.759386334 -6.59657423 stable

HOXC5 -0.016177814 2.43595432 -0.88555646 0.381329693 0.759386334 -6.596616154 stable

TIMM8A 0.025210091 3.874122632 0.88550245 0.381358445 0.759386334 -6.596663837 stable

C18orf8 0.056338156 10.05557306 0.885490593 0.381364757 0.759386334 -6.596674305 stable

UBE2E2-AS1 0.002332198 2.525540004 0.885468707 0.381376409 0.759386334 -6.596693625 stable

FANCB 0.017495528 3.604390561 0.885426726 0.381398759 0.759386334 -6.596730685 stable

DIMT1 -0.03366226 9.46375216 -0.885374491 0.38142657 0.759386334 -6.596776794 stable

CDC42SE1 0.051840098 12.22682124 0.885189251 0.381525204 0.759386334 -6.596940288 stable

NDUFS1 -0.035774387 9.883752629 -0.885168179 0.381536426 0.759386334 -6.596958884 stable

AP2M1 0.024568517 11.9192118 0.885155753 0.381543043 0.759386334 -6.59696985 stable

EPYC 0.004382763 2.803044519 0.885129013 0.381557282 0.759386334 -6.596993447 stable

TSPYL1 0.016132586 3.34852032 0.885075423 0.381585822 0.759386334 -6.597040737 stable

CNTNAP4 0.010517194 3.197560221 0.885029686 0.381610181 0.759386334 -6.597081094 stable

NXNL1 -0.031217512 2.867746804 -0.884975003 0.381639305 0.759386334 -6.597129343 stable

KRTAP1-3 0.004094285 2.794761298 0.884961612 0.381646437 0.759386334 -6.597141159 stable

CYB561D2 0.06485956 9.68719747 0.884886416 0.38168649 0.759401787 -6.597207501 stable

LOC388882 -0.002078928 2.410259074 -0.884662953 0.381805531 0.759574379 -6.597404623 stable

LYRM4 -0.093219764 9.393621656 -0.884554396 0.381863368 0.759625193 -6.597500366 stable

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EVI5L -0.051916937 7.329863786 -0.884190543 0.382057266 0.75971867 -6.597821189 stable

SETD7 0.124567866 9.917341243 0.884112182 0.382099033 0.75971867 -6.597890266 stable

LOC54944 -0.005284338 2.486201959 -0.884109577 0.382100421 0.75971867 -6.597892562 stable

ABCA1 0.005701475 2.752272359 0.884071218 0.382120868 0.75971867 -6.597926374 stable

RP11-567C2.1 -0.009787817 2.764770206 -0.884066983 0.382123125 0.75971867 -6.597930107 stable

TRAF4 -0.127788083 7.682346191 -0.883966994 0.382176426 0.75971867 -6.598018237 stable

ZNF337 0.05957558 8.959362553 0.883925963 0.3821983 0.75971867 -6.598054399 stable

SAMD11 0.009027553 2.258653771 0.88387772 0.382224019 0.75971867 -6.598096915 stable

HSPA4L 0.006505208 3.15042725 0.883696216 0.382320793 0.75971867 -6.598256852 stable

MORC1 0.008961945 3.147938735 0.88367302 0.382333162 0.75971867 -6.598277289 stable

FASTKD3 0.0639153 9.566990471 0.883632586 0.382354723 0.75971867 -6.598312913 stable

TEK 0.002399608 2.504979614 0.883589486 0.382377707 0.75971867 -6.598350885 stable

NPAP1 -0.001922669 1.969813628 -0.883581068 0.382382196 0.75971867 -6.598358302 stable

LOC101928273 0.001488927 2.335629703 0.883520008 0.382414758 0.75971867 -6.598412092 stable

RANBP3 -0.033463575 9.234752639 -0.883418573 0.382468856 0.75971867 -6.598501443 stable

MGC16275 0.092474705 5.769355108 0.883370839 0.382494316 0.75971867 -6.598543488 stable

CLDN14 -0.013817065 3.301931748 -0.883297083 0.382533657 0.75971867 -6.598608448 stable

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KIAA0087 0.002406777 2.225425229 0.883254539 0.382556351 0.75971867 -6.598645915 stable

TMEM161A -0.05094919 7.449496173 -0.883166768 0.382603172 0.759747506 -6.598723209 stable

GPAA1 0.071662393 9.848276272 0.882931752 0.38272856 0.759802933 -6.598930134 stable

SLC5A1 0.001354818 2.113848709 0.882780423 0.382809312 0.759802933 -6.599063346 stable

RUFY2 0.037947355 4.046260598 0.882750463 0.3828253 0.759802933 -6.599089716 stable

ABCG4 -0.023162937 3.679468097 -0.882747539 0.382826861 0.759802933 -6.599092291 stable

RP11-274H2.5 0.004547037 2.725064304 0.882729047 0.38283673 0.759802933 -6.599108567 stable

TAS2R19 0.082346042 3.798296712 0.882625442 0.382892024 0.759802933 -6.599199751 stable

BBX -0.212310509 8.221360295 -0.882613764 0.382898257 0.759802933 -6.599210028 stable

MAN2B1 -0.077496746 12.03235805 -0.88250153 0.382958163 0.759802933 -6.599308794 stable

RP11-274B18.4 0.001715634 2.221456009 0.882410293 0.383006866 0.759802933 -6.599389074 stable

MRPL49 -0.05196031 10.38879341 -0.882397194 0.383013858 0.759802933 -6.599400599 stable

MYLK-AS1 -0.078850496 4.118365001 -0.882395333 0.383014852 0.759802933 -6.599402236 stable

MIR7703 /// PSME2 0.074364839 12.70479467 0.882340066 0.383044356 0.759802933 -6.599450861 stable

LOC388780 0.006455019 3.444282492 0.882327573 0.383051026 0.759802933 -6.599461852 stable

C11orf30 0.078214403 5.80457521 0.882127567 0.383157813 0.759927172 -6.599637795 stable

OLR1 0.094928775 2.932070797 0.882067843 0.383189703 0.759927172 -6.599690325 stable

RPP25L 0.064322051 9.438299299 0.882028738 0.383210586 0.759927172 -6.599724718 stable

CACNA2D3 0.198008812 8.978682611 0.881961259 0.383246621 0.759934562 -6.599784063 stable

AC006026.13 -0.060505761 2.56522506 -0.881705465 0.383383242 0.760046359 -6.600008985 stable

RERGL 0.003051124 2.971928895 0.881696702 0.383387923 0.760046359 -6.600016689 stable

PAGE4 0.004552543 2.55111813 0.881520113 0.383482258 0.760046359 -6.600171926 stable

RP11-210K20.4 0.008146827 3.158545678 0.881517298 0.383483762 0.760046359 -6.600174401 stable

GGT1 /// GGT2 /// GGT3P /// GGT8P /// GGTLC1 /// GGTLC2 /// LOC100132705 /// LOC102724197 -0.019066379 3.504935084 -0.881498675 0.383493712 0.760046359 -6.600190771 stable

TCP10 0.006866117 2.918532256 0.881492739 0.383496883 0.760046359 -6.600195988 stable

PMPCA -0.031886677 9.378967697 -0.881319583 0.383589401 0.760119554 -6.600348175 stable

IL9 0.002361594 2.17763594 0.881276461 0.383612444 0.760119554 -6.60038607 stable

AHNAK2 -0.011931928 3.029303186 -0.881242175 0.383630765 0.760119554 -6.600416199 stable

CCDC172 0.003341713 2.572257034 0.881036855 0.383740495 0.760206658 -6.600596601 stable

WSB2 0.075826253 10.72740738 0.880867737 0.383830892 0.760206658 -6.600745166 stable

C1orf56 0.078637539 7.959795158 0.880855432 0.38383747 0.760206658 -6.600755974 stable

LINC00610 -0.005192127 2.435284112 -0.880796979 0.383868717 0.760206658 -6.600807315 stable

CHST6 0.001409884 2.238312437 0.8807743 0.383880842 0.760206658 -6.600827235 stable

RSL24D1 -0.045898774 12.53041785 -0.880765387 0.383885606 0.760206658 -6.600835062 stable

PLN 0.001803332 2.226344769 0.880736652 0.383900969 0.760206658 -6.6008603 stable

CHRNG 0.047243536 3.419516259 0.880562249 0.383994216 0.760232808 -6.601013456 stable

FOXI1 -0.001967729 2.336837355 -0.88051125 0.384021486 0.760232808 -6.601058236 stable

PARP2 0.058186502 7.89887374 0.880472855 0.384042017 0.760232808 -6.601091947 stable

KRT86 /// LOC100509764 -0.044338889 3.031977724 -0.880470157 0.38404346 0.760232808 -6.601094317 stable

LOC101929034 0.002177585 2.187598983 0.880175731 0.384200924 0.760455318 -6.601352781 stable

DBR1 0.096453618 8.830767622 0.880139085 0.384220526 0.760455318 -6.601384946 stable

CNPY4 -0.073420173 5.875894857 -0.879544632 0.384538586 0.760972162 -6.601906518 stable

RXFP1 0.001909045 2.306406338 0.879469691 0.384578695 0.760972162 -6.601972247 stable

COX17 -0.083980578 4.279718181 -0.879404933 0.384613356 0.760972162 -6.602029041 stable

SAYSD1 0.076672027 6.115911117 0.879310297 0.384664012 0.760972162 -6.60211203 stable

LOC439933 0.006727346 3.276766143 0.879246296 0.384698273 0.760972162 -6.60216815 stable

FAM229B 0.053247046 3.124965198 0.879231697 0.384706088 0.760972162 -6.602180951 stable

PPP1R14B -0.075405675 9.100206144 -0.879200518 0.384722779 0.760972162 -6.602208288 stable

TCRAVN1 /// TRAV25 /// TRAV25 0.210465938 6.022960261 0.879167445 0.384740485 0.760972162 -6.602237286 stable

LOC101928388 0.0142479 3.582017293 0.878970089 0.384846152 0.761058992 -6.6024103 stable

RBBP8NL -0.034799743 3.954323678 -0.87892215 0.384871822 0.761058992 -6.60245232 stable

TRIM37 -0.04074517 4.312638099 -0.87890416 0.384881455 0.761058992 -6.602468088 stable

AAAS -0.053927625 7.543972944 -0.878582519 0.385053715 0.761335612 -6.602749958 stable

KIAA0556 -0.070646227 7.358881788 -0.878460267 0.385119202 0.761401089 -6.602857067 stable

PLCH1-AS1 -0.005611062 2.004025706 -0.878181028 0.385268809 0.76161196 -6.603101664 stable

IQCF6 -0.00403187 2.758274406 -0.878075872 0.385325158 0.76161196 -6.603193755 stable

TANGO6 0.058923248 6.920187016 0.878071936 0.385327267 0.76161196 -6.603197202 stable

LGMN -0.065043797 5.787664753 -0.878019473 0.385355382 0.76161196 -6.603243142 stable

CKM -0.004794048 2.405817858 -0.877865751 0.385437769 0.761656896 -6.603377738 stable

GOLGA6L11P /// GOLGA6L11P /// GOLGA6L16P /// GOLGA6L16P -0.02664014 3.258036514 -0.87785621 0.385442882 0.761656896 -6.603386092 stable

MOV10L1 -0.002005462 2.438815215 -0.877756675 0.385496234 0.76169833 -6.603473229 stable

C1QB 0.283974273 3.575590725 0.877580236 0.385590819 0.761793002 -6.603627669 stable

OR2C3 0.00536761 3.050643235 0.877490608 0.385638872 0.761793002 -6.603706111 stable

FIZ1 -0.071883504 8.402181405 -0.877486058 0.385641311 0.761793002 -6.603710093 stable

COX4I2 -0.026621038 3.46548009 -0.877345887 0.38571647 0.761877485 -6.603832753 stable

DDT /// DDTL -0.064766284 10.14686346 -0.877244997 0.385770572 0.761920365 -6.603921027 stable

KCNK16 0.001314479 1.792902659 0.876944992 0.385931479 0.762174166 -6.604183462 stable

POU5F1P4 -0.025025497 3.648804357 -0.876867788 0.385972894 0.76219196 -6.604250983 stable

TCAM1P 0.003153073 2.58508666 0.876595685 0.386118882 0.762416237 -6.604488915 stable

RP11-1081M5.2 0.002640511 2.426213644 0.876481183 0.386180325 0.762473552 -6.604589018 stable

HSPA6 0.249815415 9.261780415 0.876332093 0.386260338 0.762567517 -6.604719338 stable

SNORA37 -0.019226833 2.666051725 -0.876172925 0.38634577 0.762624003 -6.604858444 stable

DLEU7 0.001923991 2.309481721 0.876157975 0.386353795 0.762624003 -6.604871509 stable

XKR7 0.002349992 2.269422482 0.876028892 0.38642309 0.762681143 -6.604984303 stable

VAMP5 0.119436283 9.299366156 0.875983247 0.386447594 0.762681143 -6.605024184 stable

AX747261 0.002416207 2.501237703 0.875779367 0.386557062 0.762691871 -6.605202295 stable

HOXD12 0.005067996 2.599929773 0.875740313 0.386578033 0.762691871 -6.605236408 stable

TMEM37 -0.003061121 1.864858739 -0.875628055 0.386638317 0.762691871 -6.605334455 stable

RP1-263J7.1 /// RPL7P27 0.025622314 4.098523162 0.875529244 0.386691385 0.762691871 -6.605420749 stable

LOC400590 0.012739871 3.541911414 0.875518529 0.38669714 0.762691871 -6.605430105 stable

DDX10 0.002560117 2.471276311 0.875475757 0.386720113 0.762691871 -6.605467456 stable

CMSS1 -0.088513099 8.326561318 -0.8754697 0.386723366 0.762691871 -6.605472745 stable

YEATS2 -0.118330893 6.308607307 -0.875430032 0.386744672 0.762691871 -6.605507382 stable

GABRB1 0.006112778 3.071752497 0.875429676 0.386744864 0.762691871 -6.605507694 stable

XIRP1 -0.006336989 2.595517181 -0.875134081 0.386903659 0.76294106 -6.605765757 stable

FAM86B3P /// FAM90A1 /// FAM90A25P /// FAM90A2P -0.003387812 2.116462853 -0.874837803 0.387062862 0.763191012 -6.606024332 stable

PTPRS 0.005861575 3.108834552 0.874657231 0.387159911 0.763215428 -6.606181884 stable

PSMD2 -0.030510088 10.562345 -0.874568098 0.387207823 0.763215428 -6.606259644 stable

TMEM231 -0.017713759 2.682285813 -0.87441753 0.387288764 0.763215428 -6.60639098 stable

MTND1P33 /// MTND1P33 0.002296243 2.272978722 0.874398211 0.387299151 0.763215428 -6.60640783 stable

ELMOD1 /// LOC643923 0.011484946 2.495018352 0.874138795 0.387438635 0.763215428 -6.606634056 stable

LHFP -0.031595968 2.946137031 -0.874082731 0.387468783 0.763215428 -6.606682939 stable

KRTAP1-5 0.001310576 2.124249312 0.874025952 0.387499318 0.763215428 -6.606732442 stable

SMIM17 0.033424819 2.995176999 0.873960492 0.387534523 0.763215428 -6.606789509 stable

C12orf49 0.002286774 2.509145361 0.873944393 0.387543182 0.763215428 -6.606803543 stable

MGC4294 0.001269465 2.119423221 0.873862348 0.38758731 0.763215428 -6.606875063 stable

CHD1 0.032346482 11.52329167 0.873823743 0.387608075 0.763215428 -6.606908713 stable

PPP4C 0.037980675 11.15285672 0.873819506 0.387610354 0.763215428 -6.606912406 stable

BRD3 -0.022883782 2.470496699 -0.873791073 0.387625648 0.763215428 -6.606937188 stable

LRRC61 0.078378999 7.329414917 0.873615129 0.387720298 0.763215428 -6.607090527 stable

LOC100127974 0.015667758 3.538373873 0.87360683 0.387724763 0.763215428 -6.607097759 stable

SEC23IP -0.031469375 3.950132029 -0.873569834 0.387744667 0.763215428 -6.607129997 stable

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GABRR1 0.003067942 2.523124546 0.873479657 0.387793185 0.763215428 -6.607208573 stable

ESYT3 0.006540303 3.107851376 0.873379709 0.387846965 0.763215428 -6.607295653 stable

AMELX -0.014067617 2.860163519 -0.873349093 0.38786344 0.763215428 -6.607322325 stable

LINC00919 -0.009882086 2.858323668 -0.873225636 0.387929878 0.763215428 -6.607429871 stable

C8orf4 0.014607944 3.375151957 0.87320035 0.387943486 0.763215428 -6.607451896 stable

FAM3A -0.058336789 7.452061897 -0.873121492 0.387985928 0.763215428 -6.607520581 stable

LGALS8-AS1 0.004467621 2.067514394 0.873095005 0.388000185 0.763215428 -6.60754365 stable

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HECTD2 0.004894187 2.632992047 0.872843828 0.388135393 0.763215428 -6.607762379 stable

USP43 -0.049582054 4.379204705 -0.872823839 0.388146154 0.763215428 -6.607779783 stable

STATH 0.003092597 2.158266689 0.872676069 0.388225713 0.763215428 -6.607908432 stable

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WRNIP1 0.003862605 2.508213761 0.872629661 0.388250702 0.763215428 -6.60794883 stable

SORBS2 0.006787091 2.632373918 0.87261503 0.38825858 0.763215428 -6.607961567 stable

LINC01104 0.002220849 2.653553316 0.87260342 0.388264832 0.763215428 -6.607971673 stable

GLYCTK-AS1 -0.002949267 2.2633643 -0.87254809 0.388294626 0.763215428 -6.608019834 stable

LOC100129620 0.002567764 2.452448328 0.872518481 0.388310571 0.763215428 -6.608045606 stable

SEMA3E 0.012152273 3.329347337 0.872387029 0.388381363 0.763215428 -6.60816001 stable

KAZALD1 -0.012903097 2.689706931 -0.872379733 0.388385292 0.763215428 -6.60816636 stable

LOC101928730 0.003252151 2.873109243 0.872306137 0.388424931 0.763215428 -6.608230404 stable

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AC114730.11 0.004035099 2.696973783 0.872105709 0.388532893 0.763215428 -6.608404793 stable

C8orf34 0.016830075 3.591769313 0.872069342 0.388552484 0.763215428 -6.608436431 stable

CTCFL 0.008350014 3.234841554 0.87191758 0.388634247 0.763215428 -6.608568445 stable

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ILDR1 0.001932504 2.428181694 0.871806224 0.388694248 0.763215428 -6.608665297 stable

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LOC102725136 /// LOC441666 0.007409148 3.108447839 0.871705871 0.388748326 0.763215428 -6.60875257 stable

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CD6 -0.019371817 2.464864263 -0.871583965 0.388814024 0.763215428 -6.608858572 stable

IP6K1 0.068445528 8.51790797 0.87155437 0.388829974 0.763215428 -6.608884304 stable

DRAP1 0.041606192 11.23624226 0.871464245 0.388878551 0.763215428 -6.60896266 stable

ABHD14A-ACY1 /// ACY1 -0.073524465 7.540663244 -0.871413532 0.388905886 0.763215428 -6.609006747 stable

BCAS3 0.066635393 6.543420281 0.871334435 0.388948523 0.763215428 -6.609075505 stable

SIRT4 0.051578595 3.548291973 0.871318918 0.388956888 0.763215428 -6.609088993 stable

TMEM214 -0.036532391 9.936398538 -0.871301507 0.388966274 0.763215428 -6.609104127 stable

TRAPPC13 -0.049587794 4.564194681 -0.871238596 0.389000189 0.763215428 -6.609158808 stable

GSTP1 0.097437027 11.16084561 0.871110452 0.389069278 0.763215428 -6.609270178 stable

PCDHB12 0.005338725 3.253334538 0.871095505 0.389077337 0.763215428 -6.609283167 stable

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C8orf31 -0.030831876 3.162188686 -0.871004315 0.389126507 0.763215428 -6.609362408 stable

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FAM224A /// FAM224B 0.011993783 2.932620649 0.870668662 0.389307527 0.763215428 -6.609654013 stable

OTOF -0.012331116 3.686390647 -0.870665138 0.389309427 0.763215428 -6.609657074 stable

LIFR-AS1 /// MIR3650 0.004527496 2.789928136 0.87064527 0.389320144 0.763215428 -6.609674331 stable

COG2 -0.036303187 9.745795203 -0.870582751 0.389353868 0.763215428 -6.609728633 stable

FYB -0.066573371 12.41589519 -0.870492588 0.389402506 0.763215428 -6.609806938 stable

LOC154761 0.106506043 8.54338165 0.870452166 0.389424312 0.763215428 -6.60984204 stable

SRR 0.170534862 6.459074284 0.870361167 0.389473407 0.763215428 -6.609921061 stable

ZDHHC24 0.061958235 7.990216998 0.870360168 0.389473946 0.763215428 -6.609921928 stable

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LIPE-AS1 0.013015576 3.481411221 0.870304737 0.389503854 0.763215428 -6.609970057 stable

ACCS -0.243783511 7.216243471 -0.87030317 0.389504699 0.763215428 -6.609971418 stable

STX2 0.056287649 4.702684878 0.870302612 0.389505 0.763215428 -6.609971902 stable

GPR20 0.062093004 5.331221856 0.870229867 0.389544252 0.763215428 -6.610035062 stable

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RELT -0.099631679 9.228745432 -0.870019487 0.389657782 0.763215428 -6.61021769 stable

BFSP2-AS1 0.002755429 2.382367186 0.869975724 0.3896814 0.763215428 -6.610255674 stable

ARGLU1 -0.055322477 12.52170535 -0.869971625 0.389683613 0.763215428 -6.610259231 stable

LRP5 0.001847938 2.375179619 0.869961079 0.389689304 0.763215428 -6.610268385 stable

TXNDC17 0.093142972 10.43807057 0.869885813 0.389729929 0.763215428 -6.610333708 stable

DHCR24 0.128550445 6.093237982 0.86988264 0.389731641 0.763215428 -6.610336462 stable

ACTL6B 0.001361279 2.444190872 0.869652512 0.389855867 0.763215428 -6.610536154 stable

FAN1 -0.095240148 7.690003022 -0.869652029 0.389856127 0.763215428 -6.610536573 stable

CYP51A1-AS1 0.002406299 2.553788002 0.869588598 0.389890373 0.763215428 -6.610591606 stable

MFSD11 -0.073977868 8.050268615 -0.869585527 0.38989203 0.763215428 -6.61059427 stable

SLC6A17 -0.025003871 4.546540839 -0.869577719 0.389896246 0.763215428 -6.610601044 stable

NOVA2 -0.006592151 2.292510714 -0.86957402 0.389898243 0.763215428 -6.610604253 stable

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SLC6A19 0.01484138 2.559708749 0.869359644 0.390013996 0.763314961 -6.610790215 stable

TAAR2 0.001487323 2.148015982 0.868953836 0.390233173 0.763563812 -6.611142114 stable

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ACVR2A 0.073850856 8.04117056 0.868855307 0.3902864 0.763563812 -6.61122753 stable

RMND5A 0.078062577 7.454258083 0.868802487 0.390314936 0.763563812 -6.611273317 stable

TSLP 0.005037529 3.19427244 0.868708082 0.390365942 0.763563812 -6.611355145 stable

IQCF5 0.002987112 2.798468734 0.868631542 0.390407299 0.763563812 -6.611421481 stable

VRK1 -0.058585105 9.775216585 -0.868626174 0.390410199 0.763563812 -6.611426133 stable

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LOC100507468 0.001547238 2.367277101 0.867785813 0.390864456 0.764025834 -6.612154093 stable

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NARR /// RAB34 -0.151018694 9.059818908 -0.867435806 0.391053749 0.764170665 -6.612457085 stable

VSTM4 -0.00413199 2.292262727 -0.867408529 0.391068504 0.764170665 -6.612480693 stable

GFRA2 0.05773303 3.532326557 0.867341437 0.391104797 0.764178097 -6.612538757 stable

SCAMP4 -0.122374586 7.56186612 -0.867164058 0.391200759 0.764302106 -6.612692249 stable

CD36 -0.132671661 12.24525954 -0.866896019 0.391345796 0.764459242 -6.612924135 stable

C6orf62 0.042137404 12.63400378 0.866895291 0.39134619 0.764459242 -6.612924764 stable

THEM6 -0.06908863 7.288202709 -0.866700159 0.391451797 0.764543857 -6.613093533 stable

LOC100652911 -0.002422866 2.611358623 -0.86666477 0.391470953 0.764543857 -6.613124137 stable

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SHMT2 -0.079823045 6.409911867 -0.866228458 0.391707162 0.764846768 -6.613501353 stable

ROS1 0.004881066 2.681222843 0.866109221 0.391771731 0.764907899 -6.613604409 stable

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TICAM2 /// TMED7-TICAM2 0.142430177 9.81187376 0.865981781 0.391840748 0.764917109 -6.613714539 stable

ATP6V1E2 /// FLJ41757 0.116073646 4.063860798 0.865882386 0.391894583 0.764958712 -6.613800423 stable

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COMTD1 0.078547995 7.083048397 0.865440735 0.392133847 0.765211009 -6.614181923 stable

BC005081 /// RP11-284F21.10 -0.002403524 2.484709895 -0.865370076 0.392172135 0.765211009 -6.614242941 stable

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LOC101928626 0.002125814 2.448095956 0.865154557 0.392288933 0.765266904 -6.614429025 stable

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KRTAP3-2 0.012036847 3.407718473 0.864611518 0.392583323 0.765350381 -6.614897698 stable

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LOC101927907 0.001724156 2.206097603 0.863310985 0.39328893 0.765628844 -6.616018983 stable

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NDUFA1 -0.03108472 12.4977023 -0.863020197 0.393446807 0.765628844 -6.61626947 stable

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C4BPB -0.006452047 2.69967503 -0.86275531 0.393590656 0.765628844 -6.616497576 stable

SULT2A1 0.00157659 2.355538013 0.862682213 0.393630358 0.765628844 -6.616560511 stable

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C3orf17 0.041488293 7.178939827 0.86237555 0.393796946 0.76569292 -6.616824486 stable

TRPC5OS -0.018139427 3.027515723 -0.862368562 0.393800742 0.76569292 -6.6168305 stable

MAP9 0.041916876 4.458958341 0.862093912 0.393949978 0.765903799 -6.617066839 stable

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RPS27A 0.02995883 14.88499147 0.861989197 0.394006886 0.765903799 -6.617156929 stable

CXorf22 0.009079925 2.503993476 0.861927128 0.39404062 0.765906077 -6.617210324 stable

SLC25A10 0.004983862 2.780413359 0.861739435 0.394142642 0.766041074 -6.617371764 stable

NCR3LG1 /// RP1-239B22.5 0.106191821 4.173486197 0.861662534 0.394184447 0.766057098 -6.617437899 stable

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DNAH1 -0.056757152 4.845376091 -0.860880098 0.394609952 0.766549026 -6.618110474 stable

COX10-AS1 /// LOC100506974 -0.077308149 2.717710505 -0.860813926 0.39464595 0.766549026 -6.618167327 stable

RPS17 0.018616616 15.52657625 0.860779439 0.394664713 0.766549026 -6.618196956 stable

LINC01181 0.001315152 2.107917265 0.86049893 0.394817343 0.766680167 -6.618437909 stable

SERTAD4 -0.002149078 2.4771458 -0.860458193 0.394839512 0.766680167 -6.618472895 stable

SAMD13 0.060046643 3.011673767 0.860457506 0.394839886 0.766680167 -6.618473485 stable

GATAD1 -0.058913983 10.42861837 -0.860415743 0.394862614 0.766680167 -6.618509351 stable

GPR3 0.005077555 3.09619738 0.860041675 0.395066224 0.767012187 -6.618830522 stable

PTTG2 -0.031518794 3.618658235 -0.85996062 0.395110351 0.767034547 -6.618900097 stable

TREML4 0.024377319 2.07799749 0.859692154 0.395256531 0.767202026 -6.619130495 stable

GS1-124K5.9 0.001380426 2.480990996 0.859600663 0.395306356 0.767202026 -6.619208997 stable

PDSS1 -0.085716078 7.865022417 -0.859559237 0.395328917 0.767202026 -6.619244539 stable

TPD52L1 -0.015257915 2.421709164 -0.85955658 0.395330365 0.767202026 -6.619246819 stable

POLR1E 0.172898757 4.865491838 0.859502698 0.395359711 0.767202026 -6.619293045 stable

SLC26A11 -0.063246767 9.585933764 -0.859355073 0.39544012 0.767260931 -6.61941968 stable

HSDL2 0.026152633 4.169890193 0.859281334 0.395480289 0.767260931 -6.619482928 stable

GPR135 -0.004747215 2.187377712 -0.859244443 0.395500386 0.767260931 -6.619514568 stable

TBX22 0.005446418 2.792737603 0.85908383 0.395587891 0.767260931 -6.619652305 stable

BTBD17 0.033835529 2.989415223 0.859079967 0.395589995 0.767260931 -6.619655617 stable

PPBPP2 0.001855281 2.168208191 0.859065757 0.395597738 0.767260931 -6.619667802 stable

DENND6A 0.044282495 11.65645763 0.859027821 0.395618408 0.767260931 -6.61970033 stable

C3orf56 -0.007024477 2.929043324 -0.858808711 0.395737808 0.76738209 -6.61988818 stable

NFE2 -0.093569946 10.57965481 -0.858793438 0.395746131 0.76738209 -6.619901272 stable

MIR6834 /// PFDN6 0.093002312 4.31133277 0.858606447 0.395848047 0.767480323 -6.620061546 stable

C15orf56 0.002058709 2.627286251 0.858580758 0.39586205 0.767480323 -6.620083562 stable

FGF22 -0.001426843 2.083718768 -0.858505014 0.395903338 0.767497109 -6.620148472 stable

PITPNA 0.035519396 9.259868737 0.85832028 0.396004049 0.767593717 -6.620306761 stable

BC043355 /// RP11-481J13.1 -0.01590485 2.731863544 -0.858293883 0.396018441 0.767593717 -6.620329376 stable

PXDNL 0.005872009 2.984634677 0.858071748 0.396139566 0.767764785 -6.620519662 stable

UBE2E2 -0.083803428 9.071929193 -0.858012306 0.396171982 0.767764785 -6.620570574 stable

HSPA14 0.038471799 9.744693181 0.857943542 0.396209484 0.767774203 -6.620629465 stable

CCDC37-AS1 0.005219579 2.794331949 0.857798488 0.3962886 0.767864253 -6.620753679 stable

RP11-661A12.9 0.001508114 2.398892159 0.857710463 0.396336616 0.767894031 -6.620829046 stable

DENND4B -0.029864667 12.05413485 -0.857478525 0.39646315 0.768075921 -6.621027599 stable

CCDC67 0.017662429 3.397772846 0.857274816 0.396574306 0.76819439 -6.621201944 stable

SIK1 -0.231191802 9.451408133 -0.857194474 0.39661815 0.76819439 -6.621270693 stable

GPAM 0.067158608 3.962461905 0.857164959 0.396634258 0.76819439 -6.621295948 stable

ATP8A2 0.042848998 2.606381661 0.8571146 0.396661742 0.76819439 -6.621339036 stable

RAD18 0.058820849 4.27143727 0.857067221 0.396687601 0.76819439 -6.621379573 stable

CPO 0.001727408 2.246002032 0.856675912 0.396901214 0.76854478 -6.621714284 stable

FGB -0.005935573 2.945289836 -0.856460538 0.397018816 0.768587197 -6.621898445 stable

AC005498.3 -0.016734053 3.15330083 -0.856394167 0.397055061 0.768587197 -6.621955188 stable

SP6 0.021915627 2.975845121 0.85631466 0.397098483 0.768587197 -6.622023156 stable

NELL2 -0.175160546 11.56597458 -0.856292288 0.397110702 0.768587197 -6.622042281 stable

LOC100505902 0.004809433 2.456976871 0.85627968 0.397117588 0.768587197 -6.622053058 stable

LOC101929118 0.012075724 2.702143764 0.856276767 0.397119179 0.768587197 -6.622055547 stable

OR8B2 0.001837854 2.387044452 0.856103515 0.397213812 0.768707098 -6.622203628 stable

LOC101927709 0.011957437 3.38171906 0.856014291 0.397262553 0.768738174 -6.622279878 stable

LINC00950 0.003222962 2.567642794 0.855877474 0.397337299 0.768819564 -6.622396784 stable

PRSS21 -0.210146106 4.467532531 -0.855728719 0.397418579 0.7688964 -6.622523871 stable

LOC101928707 0.002755169 2.566300163 0.855685146 0.397442389 0.7688964 -6.622561093 stable

LINC00626 0.001831114 2.428500907 0.855453044 0.397569234 0.769036241 -6.622759334 stable

PIRT 0.001103277 1.978337961 0.85543323 0.397580064 0.769036241 -6.622776256 stable

CPNE3 0.039603946 10.85309256 0.855316357 0.397643947 0.769043044 -6.622876056 stable

KRT19P2 -0.006686656 1.944010007 -0.855307161 0.397648973 0.769043044 -6.622883908 stable

TAS2R7 0.001471872 2.222017934 0.855125943 0.397748041 0.769100657 -6.623038628 stable

IFT80 -0.104098352 9.457027616 -0.85504097 0.397794498 0.769100657 -6.623111165 stable

FAM21EP /// FAM21FP 0.021848649 2.099496063 0.855039896 0.397795085 0.769100657 -6.623112082 stable

CLNK 0.007217896 2.740203177 0.855013428 0.397809557 0.769100657 -6.623134674 stable

BAGE2 /// BAGE4 0.087641724 2.537341431 0.854752198 0.397952406 0.769313597 -6.623357622 stable

ANKRD1 0.004636493 2.753596107 0.85427417 0.398213888 0.769669922 -6.623765427 stable

ATRN -0.077195116 8.190309948 -0.854249551 0.398227358 0.769669922 -6.623786424 stable

SPR -0.064902364 5.85987949 -0.854235777 0.398234894 0.769669922 -6.62379817 stable

TMPRSS4 -0.011446667 2.532693689 -0.854072761 0.398324092 0.769693531 -6.623937183 stable

CLIP3 -0.003009706 2.206694194 -0.853960853 0.398385332 0.769693531 -6.624032598 stable

LOC101928820 0.017525652 2.452472605 0.853924374 0.398405296 0.769693531 -6.624063698 stable

ATP6V0E1 0.023776374 13.32236021 0.853858227 0.398441499 0.769693531 -6.624120089 stable

PAXIP1OS 0.058944518 4.743591344 0.853837722 0.398452721 0.769693531 -6.624137568 stable

GLRA1 -0.001449766 2.363601427 -0.853797635 0.398474662 0.769693531 -6.624171739 stable

LHFPL3 0.001705784 2.212512972 0.853789654 0.39847903 0.769693531 -6.624178543 stable

TAF8 -0.010618686 2.247388346 -0.853673732 0.398542483 0.769693531 -6.624277349 stable

FGF4 0.001190287 1.956667825 0.85366221 0.39854879 0.769693531 -6.624287169 stable

IL19 -0.002914945 2.515675559 -0.853615524 0.398574347 0.769693531 -6.624326957 stable

ARHGEF28 0.044219056 4.487886237 0.853306456 0.398743561 0.769895744 -6.62459031 stable

MAPK12 -0.025730274 2.395701783 -0.853304696 0.398744524 0.769895744 -6.624591809 stable

TAPBPL 0.111957236 8.738405797 0.853116042 0.398847835 0.769997844 -6.624752514 stable

EMR3 0.257055872 6.583054265 0.853071633 0.398872156 0.769997844 -6.624790338 stable

LOC101929963 /// LOC101930299 -0.00784315 2.816377581 -0.853028804 0.398895614 0.769997844 -6.624826816 stable

DCX 0.003186531 2.589985328 0.852881764 0.398976152 0.770058965 -6.624952035 stable

LINC00551 0.01116468 3.396038629 0.852839994 0.398999033 0.770058965 -6.624987602 stable

PSEN2 0.125184828 5.516705058 0.852786509 0.399028333 0.770058965 -6.625033144 stable

ZC2HC1A 0.005543266 2.954677158 0.852731928 0.399058234 0.770058965 -6.625079614 stable

APOM -0.08638694 5.589151389 -0.852670248 0.399092026 0.770060995 -6.625132126 stable

COL3A1 0.002635585 2.525457041 0.852350346 0.399267314 0.770336027 -6.625404418 stable

KLHL13 -0.017961723 2.581925098 -0.8522886 0.399301153 0.770338126 -6.625456963 stable

BAP1 -0.071637977 8.606899657 -0.852182369 0.399359376 0.770376779 -6.625547356 stable

MRPS7 -0.051061848 9.624830208 -0.852132528 0.399386695 0.770376779 -6.625589763 stable

LOC101928104 0.008448772 2.582802041 0.851971241 0.399475106 0.770484131 -6.625726975 stable

MTCP1 -0.100553493 4.017786686 -0.851847415 0.399542991 0.770509209 -6.625832301 stable

OSBPL7 -0.078621516 5.651191143 -0.851828018 0.399553626 0.770509209 -6.625848798 stable

RP11-214N1.1 0.003365434 2.158315812 0.851726309 0.399609392 0.770553574 -6.625935298 stable

ERH 0.027247104 12.75656008 0.85141924 0.399777784 0.770766538 -6.626196391 stable

PHF21A 0.064756008 8.489818462 0.851358876 0.399810893 0.770766538 -6.626247706 stable

ARHGAP33 -0.081507824 6.772874101 -0.851345658 0.399818143 0.770766538 -6.626258942 stable

CRCP -0.055905977 7.257882454 -0.851282873 0.399852581 0.770769755 -6.626312311 stable

BC045791 0.006386936 3.150809827 0.85118954 0.399903778 0.770805275 -6.626391639 stable

C10orf91 0.016422083 3.323656051 0.851022209 0.399995577 0.77091904 -6.62653384 stable

TMEM63C 0.164180728 5.410805972 0.850847632 0.400091365 0.770957521 -6.626682172 stable

LINC00606 0.002348943 2.48094522 0.850810237 0.400111885 0.770957521 -6.626713941 stable

OGG1 0.071903092 7.19501243 0.850682208 0.400182144 0.770957521 -6.626822698 stable

RABL2A /// RABL2B -0.066949936 9.728869846 -0.85066146 0.400193531 0.770957521 -6.626840322 stable

4-Mar -0.003060452 2.505225897 -0.850652509 0.400198443 0.770957521 -6.626847925 stable

SCG2 0.005840507 2.998977864 0.85060771 0.40022303 0.770957521 -6.626885976 stable

HAUS5 -0.051563369 7.438410127 -0.85056771 0.400244985 0.770957521 -6.626919949 stable

LOC100506351 -0.004355349 2.470018177 -0.850475932 0.40029536 0.770991414 -6.626997892 stable

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ADAMTSL2 -0.002430663 2.656404448 -0.850232521 0.400428983 0.771122491 -6.627204573 stable

RAMP2 -0.005311242 2.563174139 -0.850042386 0.400533379 0.771201009 -6.627365977 stable

SPATA25 0.002539145 2.270843784 0.85003883 0.400535331 0.771201009 -6.627368995 stable

HSD17B6 0.001420729 2.197519056 0.849907769 0.400607302 0.771206715 -6.627480231 stable

ADAM20 0.004505621 2.505904309 0.849887438 0.400618467 0.771206715 -6.627497485 stable

LINC01360 0.006834187 3.058225595 0.84979462 0.400669443 0.771206715 -6.627576251 stable

LOC574538 0.001504378 2.228665437 0.849769474 0.400683254 0.771206715 -6.627597589 stable

LINC00685 0.125369649 6.032486533 0.849539157 0.400809764 0.771206715 -6.627792996 stable

KIAA1467 0.002803252 2.505867241 0.849500434 0.400831037 0.771206715 -6.627825845 stable

LOC200772 0.265433823 7.023305425 0.849430033 0.400869714 0.771206715 -6.627885562 stable

YPEL3 -0.037481733 12.60316538 -0.849427688 0.400871002 0.771206715 -6.627887551 stable

ZNF137P 0.1015949 7.529274466 0.849325373 0.400927216 0.771206715 -6.62797433 stable

RABAC1 -0.043289912 11.87781479 -0.849286723 0.400948452 0.771206715 -6.62800711 stable

TMTC3 0.006406091 3.229957555 0.849285269 0.400949251 0.771206715 -6.628008343 stable

RP11-29H23.4 0.063363821 5.827577698 0.849266143 0.40095976 0.771206715 -6.628024563 stable

LOC90784 /// POLR1A 0.115709393 6.3762846 0.849230856 0.40097915 0.771206715 -6.628054487 stable

CERS4 0.086911434 5.022493783 0.849122529 0.401038677 0.771206715 -6.628146346 stable

RP4-781K5.2 -0.022624547 3.777910153 -0.849076 0.401064247 0.771206715 -6.628185797 stable

LOC100505710 -0.00379182 1.97508286 -0.84907438 0.401065137 0.771206715 -6.62818717 stable

ANO8 -0.058990677 5.138178149 -0.848998049 0.401107087 0.771206715 -6.628251886 stable

LINC00867 0.001289654 2.210977273 0.848959127 0.401128479 0.771206715 -6.628284884 stable

NSL1 0.033308181 3.34729219 0.848854754 0.401185846 0.771253967 -6.628373361 stable

ZNF721 -0.099210281 9.032070801 -0.848653151 0.40129667 0.771384334 -6.628544233 stable

APPL1 -0.058396525 9.354270221 -0.848612078 0.401319251 0.771384334 -6.62857904 stable

RP11-669M16.1 -0.003899495 2.866294467 -0.848467746 0.401398606 0.771426777 -6.62870134 stable

PITPNM1 -0.051320131 8.503465617 -0.848452614 0.401406927 0.771426777 -6.628714161 stable

CEP128 -0.04105097 4.594671328 -0.848336244 0.401470916 0.771486718 -6.628812751 stable

RP11-799D4.4 0.048618403 3.364887977 0.848261504 0.401512018 0.771502669 -6.628876066 stable

TM4SF5 -0.006206708 2.266135691 -0.84817989 0.401556902 0.771525886 -6.628945196 stable

LOC100507395 -0.007207078 2.88281657 -0.848062933 0.40162123 0.771586454 -6.629044254 stable

LOC100505776 0.005953278 2.845295219 0.84791458 0.401702835 0.771620881 -6.629169883 stable

LOC101928144 -0.012665719 2.344098766 -0.847891953 0.401715282 0.771620881 -6.629189042 stable

LINGO3 -0.044311536 3.714413784 -0.847851444 0.401737567 0.771620881 -6.629223341 stable

PXT1 0.001291355 1.868858956 0.84773136 0.401803633 0.771643443 -6.629325009 stable

DNA2 -0.088714215 5.234198435 -0.847697698 0.401822154 0.771643443 -6.629353506 stable

AMOTL1 0.032307934 3.016727866 0.847651209 0.401847733 0.771643443 -6.62939286 stable

NLRP4 0.001709906 2.483320098 0.847534415 0.401912 0.771680784 -6.62949172 stable

ZSWIM1 -0.045535586 3.148032061 -0.847496624 0.401932796 0.771680784 -6.629523704 stable

RTN4RL2 0.001381781 2.429637273 0.847414903 0.401977769 0.771704138 -6.629592866 stable

PLEKHH2 -0.041378876 3.102014953 -0.847293816 0.402044411 0.771738605 -6.629695332 stable

ERGIC3 0.002959343 2.499799305 0.847227469 0.40208093 0.771738605 -6.62975147 stable

FAM3B -0.047366731 2.950964551 -0.847115763 0.402142419 0.771738605 -6.629845977 stable

ZNF29P 0.002667506 2.33537042 0.847084627 0.402159559 0.771738605 -6.629872318 stable

TUBAL3 -0.006977806 2.529638911 -0.847084233 0.402159776 0.771738605 -6.629872651 stable

GPR113 -0.001177042 2.011253654 -0.846913697 0.402253662 0.771758741 -6.630016903 stable

JPH1 0.005007059 3.067415282 0.846854649 0.402286174 0.771758741 -6.630066844 stable

MOB2 -0.031109718 9.983731107 -0.846838208 0.402295226 0.771758741 -6.630080749 stable

PTPRJ 0.079750265 7.60788371 0.846826787 0.402301515 0.771758741 -6.630090407 stable

RBBP7 0.042494084 11.12379179 0.846725252 0.402357424 0.771768986 -6.630176271 stable

ST3GAL1 -0.051709166 9.125745926 -0.846594375 0.402429497 0.771768986 -6.630286934 stable

RP11-300A12.2 0.001927427 2.182851538 0.846529195 0.402465395 0.771768986 -6.63034204 stable

RPL23AP53 -0.029666663 4.228946817 -0.846476116 0.402494629 0.771768986 -6.630386913 stable

ILKAP 0.045986286 9.533319254 0.846419578 0.40252577 0.771768986 -6.630434707 stable

FGF19 0.002029608 2.571319598 0.846386776 0.402543838 0.771768986 -6.630462435 stable

PGAP3 0.035707412 8.213962292 0.846328059 0.402576181 0.771768986 -6.630512066 stable

LAD1 -0.008855789 2.510216174 -0.846270513 0.402607881 0.771768986 -6.630560704 stable

HNMT 0.033790852 2.539352382 0.846219897 0.402635766 0.771768986 -6.630603482 stable

HJURP -0.035634865 2.892161015 -0.846077266 0.402714346 0.771768986 -6.630724012 stable

EMB -0.046380426 12.75829856 -0.846060301 0.402723693 0.771768986 -6.630738348 stable

NEURL2 -0.03328397 3.355194259 -0.846041478 0.402734064 0.771768986 -6.630754253 stable

MYADML2 0.005155588 3.142660266 0.845986341 0.402764445 0.771768986 -6.630800839 stable

SRGAP1 0.007726964 3.335679678 0.845983116 0.402766222 0.771768986 -6.630803564 stable

C2orf74 /// KIAA1841 -0.125156272 7.129924223 -0.845857353 0.402835522 0.771838899 -6.630909813 stable

ASIC2 -0.004183546 2.71503166 -0.845697746 0.402923483 0.771943348 -6.631044633 stable

PLXNA3 -0.045540099 3.483554637 -0.84563934 0.402955675 0.771943348 -6.631093962 stable

THOP1 0.037945786 7.105956807 0.845539717 0.403010587 0.771946072 -6.631178095 stable

EFTUD1 0.047705557 8.706636532 0.845517677 0.403022736 0.771946072 -6.631196708 stable

MAN2C1 -0.087464337 9.298869344 -0.845384895 0.403095934 0.772022878 -6.631308827 stable

SUZ12 /// SUZ12P1 0.051390888 10.34465872 0.845325859 0.40312848 0.772022878 -6.63135867 stable

LOC101929325 -0.037533199 2.958859584 -0.845225346 0.403183898 0.772047672 -6.631443525 stable

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RP4-593C16.3 0.003371947 2.709162802 0.845023967 0.403294942 0.772047672 -6.631613503 stable

FOLR2 -0.149354276 7.650122737 -0.845008967 0.403303214 0.772047672 -6.631626162 stable

PEX16 -0.013317074 2.148176226 -0.845004738 0.403305546 0.772047672 -6.631629732 stable

CTAGE1 0.002105284 2.385849527 0.844679569 0.403484893 0.772328138 -6.631904109 stable

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LOC101928797 -0.003605345 3.212648865 -0.843966471 0.403878375 0.772612357 -6.632505463 stable

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LOC100506258 0.044593221 3.461497483 0.84381524 0.403961854 0.772612357 -6.632632934 stable

LINC01206 0.002080545 2.273289176 0.843652214 0.404051856 0.772702813 -6.632770321 stable

SPATA45 0.004718863 3.034217048 0.843610562 0.404074852 0.772702813 -6.632805418 stable

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WASF2 -0.04362223 12.09400308 -0.843402502 0.404189738 0.772796849 -6.632980711 stable

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TECRL 0.009878355 3.310181765 0.842597416 0.404634478 0.772811962 -6.633658614 stable

GTPBP10 /// LOC101927446 0.008352823 3.22566368 0.842573375 0.404647763 0.772811962 -6.633678847 stable

PDE10A 0.005031262 2.882453375 0.842540762 0.404665787 0.772811962 -6.633706295 stable

PPIL2 0.029660453 7.627445974 0.84252391 0.404675099 0.772811962 -6.633720477 stable

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LOC102725382 0.001264765 2.12336767 0.841109371 0.405457295 0.773050747 -6.634909943 stable

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ENY2 -0.050947144 11.1961544 -0.840147736 0.405989584 0.773221135 -6.635717469 stable

TIGD7 0.106833621 7.04829611 0.840021269 0.406059619 0.773291904 -6.635823603 stable

MMP7 0.001406028 2.332296147 0.839930288 0.406110008 0.773315704 -6.635899946 stable

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C16orf13 0.078331083 6.804179809 0.838630933 0.406830055 0.773496259 -6.636989384 stable

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LOC100507537 0.020804223 3.902783083 0.83760238 0.407400596 0.773715738 -6.637850615 stable

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CLIC6 0.001199998 1.965063654 0.835954836 0.408315526 0.774989728 -6.639228021 stable

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CACNA1S -0.039809867 3.604366829 -0.830355688 0.411434389 0.776305209 -6.643889556 stable

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AIRE -0.038802733 3.120995632 -0.829094907 0.412138697 0.777036291 -6.644935043 stable

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TSPY13P /// TSPY13P -0.004454024 2.824222616 -0.828931155 0.412230228 0.777115268 -6.64507072 stable

DYNLL1 -0.047455792 12.4001718 -0.828863036 0.412268308 0.777124769 -6.645127152 stable

ERVW-1 -0.0135273 2.323517047 -0.828721241 0.41234758 0.777159801 -6.645244607 stable

LINC00908 0.001683155 1.588268696 0.828711593 0.412352974 0.777159801 -6.645252598 stable

AAED1 -0.066689192 9.029679105 -0.828401605 0.412526312 0.777285873 -6.645509302 stable

SPIC 0.003345811 2.624312906 0.82836398 0.412547354 0.777285873 -6.645540454 stable

LOC284014 0.013602169 2.517092103 0.8283627 0.41254807 0.777285873 -6.645541514 stable

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NIPAL3 0.048506191 4.541327526 0.82829649 0.4125851 0.777285873 -6.645596328 stable

LOC100129034 -0.094117888 9.233991387 -0.828203251 0.41263725 0.777303355 -6.645673512 stable

ABCC6P1 0.00246648 2.658459142 0.828161732 0.412660473 0.777303355 -6.64570788 stable

RBBP4P4 /// RBBP4P4 0.002059518 2.506605448 0.827918852 0.412796344 0.777484407 -6.645908891 stable

ZNF44 0.054111738 4.830429423 0.827844615 0.412837879 0.777484407 -6.645970319 stable

OR2A20P /// OR2A9P -0.159626895 6.015885401 -0.827812664 0.412855756 0.777484407 -6.645996756 stable

LOC151484 0.002244484 2.274310912 0.827602489 0.412973364 0.777537846 -6.646170632 stable

AC007228.11 /// BX647249 0.011356132 2.805947764 0.827593959 0.412978137 0.777537846 -6.646177688 stable

FLJ34503 0.001390552 2.250367128 0.827489196 0.413036767 0.777537846 -6.64626434 stable

MSX1 -0.005600626 3.225626431 -0.827457803 0.413054338 0.777537846 -6.646290305 stable

GOLGA8A -0.125209019 8.881500388 -0.827378799 0.413098557 0.777537846 -6.646355642 stable

APBB1 -0.084081909 7.372304528 -0.827317307 0.413132976 0.777537846 -6.646406492 stable

ZDHHC8P1 -0.00395932 2.651190552 -0.827295876 0.413144972 0.777537846 -6.646424214 stable

RPE 0.009467245 3.087569076 0.827280615 0.413153515 0.777537846 -6.646436833 stable

C17orf99 0.003117836 2.705343028 0.827230358 0.413181648 0.777537846 -6.646478388 stable

RTP5 0.001068555 1.951620158 0.827144033 0.413229974 0.777550022 -6.646549761 stable

FAHD1 -0.079106714 6.479220162 -0.8271007 0.413254234 0.777550022 -6.646585586 stable

PRR34 -0.015103084 3.135017038 -0.826904459 0.413364109 0.777635423 -6.646747801 stable

KRT82 0.011276707 2.451267322 0.826901536 0.413365745 0.777635423 -6.646750216 stable

ROPN1 -0.001535601 2.191403119 -0.826826107 0.413407983 0.777652685 -6.646812557 stable

GDF10 0.002646818 2.587518714 0.826529318 0.4135742 0.777819306 -6.647057793 stable

CNN1 -0.03798067 2.668569319 -0.826412788 0.413639474 0.777819306 -6.647154059 stable

RASAL1 0.004182655 2.634474972 0.826386397 0.413654258 0.777819306 -6.647175858 stable

SYNGR4 -0.003991447 2.264125922 -0.826345436 0.413677204 0.777819306 -6.647209692 stable

ANKHD1 -0.082772793 6.52863096 -0.826345067 0.413677411 0.777819306 -6.647209996 stable

PHF3 0.053296079 8.943235061 0.826313713 0.413694976 0.777819306 -6.647235894 stable

MPP4 0.004347495 2.777651104 0.825989492 0.413876636 0.778043935 -6.647503633 stable

RBM17 -0.036435864 5.472807105 -0.825982408 0.413880605 0.778043935 -6.647509481 stable

ZNF391 -0.049182485 2.102391117 -0.825793383 0.413986539 0.778157104 -6.647665529 stable

RNF144B -0.152777724 10.7835488 -0.825701936 0.414037794 0.778157104 -6.64774101 stable

CNGA3 0.001900358 2.341334692 0.825697899 0.414040056 0.778157104 -6.647744341 stable

ITGB1BP1 0.081124914 10.00533835 0.825571384 0.414110973 0.778226222 -6.647848753 stable

HPCAL1 -0.038059572 10.79958147 -0.825514242 0.414143005 0.778226222 -6.647895907 stable

CPLX1 0.009095758 2.632206635 0.825354013 0.414232835 0.778332841 -6.648028112 stable

LOC284263 0.001163168 2.19512728 0.825214086 0.414311292 0.778406252 -6.648143545 stable

PCDHGC3 0.005581371 3.464557447 0.825085538 0.414383377 0.778406252 -6.648249575 stable

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RP9P 0.019365355 3.207905754 0.825039913 0.414408964 0.778406252 -6.648287203 stable

B3GALNT2 0.137129094 5.93211384 0.824982849 0.414440967 0.778406252 -6.648334263 stable

NSAP11 0.005816799 3.0201507 0.824888643 0.414493804 0.778406252 -6.648411948 stable

GYPA 0.011760616 3.2869669 0.82486249 0.414508473 0.778406252 -6.648433512 stable

CTB-113P19.1 -0.001999777 2.395545663 -0.82476121 0.414565283 0.778406252 -6.648517018 stable

ABCA9 0.008863964 3.096929198 0.824753244 0.414569751 0.778406252 -6.648523585 stable

CLEC1A 0.090519995 3.530925182 0.824675552 0.414613334 0.778425945 -6.648587635 stable

AK096592 /// YLPM1 -0.133993463 6.385798675 -0.824532463 0.41469361 0.778429975 -6.648705583 stable

LOC100996255 -0.055041745 6.961979786 -0.824507867 0.41470741 0.778429975 -6.648725855 stable

TAS2R16 0.001245059 2.108780027 0.824494755 0.414714766 0.778429975 -6.648736662 stable

ANXA11 -0.040661727 11.99828127 -0.824243396 0.414855811 0.778626213 -6.6489438 stable

IRAK4 -0.043492833 9.831991275 -0.824190457 0.41488552 0.778626213 -6.648987418 stable

GANAB 0.046127701 11.86430964 0.824069921 0.41495317 0.778691041 -6.64908672 stable

LOC440704 0.00373562 2.631765671 0.823836004 0.415084472 0.778768486 -6.64927939 stable

ADCK4 -0.068780356 4.197866587 -0.823831792 0.415086837 0.778768486 -6.64928286 stable

IMP4 -0.092910698 9.559935383 -0.823819447 0.415093768 0.778768486 -6.649293026 stable

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LOC100506538 /// NDUFAF6 -0.047365879 3.052353103 -0.823649775 0.415189025 0.778822957 -6.649432744 stable

PHTF2 0.044173286 6.543586819 0.823528069 0.415257362 0.778889028 -6.649532947 stable

DUSP16 0.038984149 4.870316982 0.823457665 0.415296897 0.778901069 -6.649590906 stable

ADAD1 -0.009581212 3.275352415 -0.823252345 0.415412205 0.77891981 -6.649759903 stable

8-Sep 0.137142012 5.975163989 0.82323307 0.415423031 0.77891981 -6.649775766 stable

RPUSD1 -0.082212446 6.19156377 -0.823205112 0.415438733 0.77891981 -6.649798774 stable

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JSRP1 -0.031340635 6.374014407 -0.823145052 0.415472469 0.77891981 -6.649848199 stable

MYBL2 -0.155496104 5.942322751 -0.822957066 0.415578068 0.778996446 -6.650002874 stable

RPS20 /// SNORD54 0.015280364 15.54748531 0.822914887 0.415601764 0.778996446 -6.650037574 stable

C15orf26 -0.109128195 4.100796665 -0.822857492 0.41563401 0.778996446 -6.65008479 stable

GPM6B 0.171429685 2.879328352 0.822836466 0.415645823 0.778996446 -6.650102085 stable

C11orf57 0.069080661 8.729575577 0.822724107 0.415708954 0.779043522 -6.650194505 stable

GHRHR 0.001098324 1.950543108 0.822627881 0.415763025 0.779043522 -6.650273645 stable

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FAHD2A /// FAHD2B /// FAHD2CP 0.012551949 3.882161868 0.82244718 0.415864576 0.779043522 -6.650422236 stable

ATP6V0D2 -0.002160278 2.359046564 -0.822403376 0.415889195 0.779043522 -6.650458252 stable

CELA2A /// CELA2B 0.005421153 3.047521166 0.822335635 0.41592727 0.779043522 -6.650513944 stable

PNMA6A -0.009340041 2.166772761 -0.822316784 0.415937866 0.779043522 -6.650529442 stable

SLC17A8 -0.007746765 3.449719 -0.822316216 0.415938185 0.779043522 -6.650529909 stable

RP11-134L10.1 -0.042337255 2.804993188 -0.822260729 0.415969374 0.779043522 -6.650575523 stable

PIK3AP1 0.09431252 10.12334114 0.822202417 0.416002153 0.779043522 -6.650623456 stable

HID1 -0.024228272 2.919471836 -0.821884342 0.416180978 0.779316359 -6.650884858 stable

TRMT2A -0.05365687 7.765254645 -0.821800901 0.416227898 0.779329958 -6.650953417 stable

SYS1 0.054395478 8.499145242 0.821747316 0.416258031 0.779329958 -6.65099744 stable

VSTM2A /// VSTM2A-OT1 0.002114379 2.434862341 0.821694664 0.41628764 0.779329958 -6.651040695 stable

ESR2 0.008767693 2.267657296 0.821378943 0.416465217 0.779600347 -6.651300008 stable

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FLJ22184 0.001090663 1.90822592 0.820999077 0.416678933 0.779775992 -6.651611879 stable

LOC101929297 0.001856713 2.475401117 0.820883504 0.416743969 0.779775992 -6.651706737 stable

RSG1 -0.024701019 3.614530913 -0.820853481 0.416760865 0.779775992 -6.651731377 stable

CA7 -0.010123893 2.443448834 -0.820777569 0.416803587 0.779775992 -6.651793674 stable

CCDC159 -0.082716786 7.626652149 -0.820643102 0.41687927 0.779775992 -6.651904009 stable

AFMID -0.031353874 2.386877585 -0.820636924 0.416882747 0.779775992 -6.651909079 stable

DIS3L2 -0.075900099 3.483335253 -0.820553827 0.416929521 0.779775992 -6.651977253 stable

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IL17RE -0.004346049 3.168218185 -0.82026303 0.417093233 0.779775992 -6.65221578 stable

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LOC100289333 -0.080558105 6.274561196 -0.820168905 0.417146231 0.779775992 -6.652292968 stable

ATR 0.037426843 9.222815818 0.82012317 0.417171984 0.779775992 -6.652330471 stable

FOXN3 -0.067564327 8.189349858 -0.820100753 0.417184608 0.779775992 -6.652348852 stable

CTXN1 -0.004732555 2.010379801 -0.820081188 0.417195625 0.779775992 -6.652364894 stable

SCRN2 -0.029175222 6.414728451 -0.82005376 0.41721107 0.779775992 -6.652387382 stable

CAPN10-AS1 -0.010918763 3.171325363 -0.819943125 0.417273377 0.779775992 -6.652478087 stable

SNHG9 /// SNORA78 -0.119973782 5.158790187 -0.819933181 0.417278976 0.779775992 -6.652486239 stable

OSTF1 0.084957175 10.84575283 0.81984575 0.417328219 0.779775992 -6.65255791 stable

PRMT2 0.072109878 10.91433745 0.819781983 0.417364136 0.779775992 -6.652610179 stable

SUZ12 0.017880265 3.161770136 0.819757856 0.417377726 0.779775992 -6.652629954 stable

MLF1 0.002019566 2.425992729 0.819735433 0.417390356 0.779775992 -6.652648332 stable

CRYBA1 0.002716723 2.328271668 0.81967979 0.4174217 0.779775992 -6.652693936 stable

POLR2I -0.047311138 10.03612646 -0.819620463 0.417455121 0.779775992 -6.652742555 stable

GRTP1-AS1 /// LOC101930007 /// LOC101930262 0.019445639 2.479284008 0.819586436 0.41747429 0.779775992 -6.65277044 stable

RBM38 -0.073166752 10.75714133 -0.819570909 0.417483037 0.779775992 -6.652783163 stable

MPHOSPH8 -0.042803579 11.371007 -0.819563321 0.417487312 0.779775992 -6.652789381 stable

CACNA1I -0.015459865 2.559192519 -0.819477298 0.417535776 0.779778726 -6.652859868 stable

MATN3 0.007101291 3.120999473 0.819415689 0.417570488 0.779778726 -6.652910345 stable

DEAF1 -0.053189765 9.28501335 -0.819338504 0.417613978 0.779778726 -6.652973579 stable

CHRDL2 0.001766658 2.39318341 0.819319081 0.417624923 0.779778726 -6.652989491 stable

SNX31 0.004605109 2.725692307 0.819227534 0.41767651 0.779778726 -6.653064482 stable

CCNG1 -0.043426672 12.59433925 -0.819207693 0.41768769 0.779778726 -6.653080733 stable

LOC101929517 0.00156701 2.337893606 0.81889204 0.417865595 0.780005425 -6.653339234 stable

FKBP2 0.04360401 9.204222446 0.818874564 0.417875446 0.780005425 -6.653353543 stable

LOC100652777 /// PLA2G10 0.044976968 2.707459657 0.818757796 0.41794127 0.780022291 -6.653449142 stable

SLC52A3 -0.001586093 2.408422932 -0.818720795 0.417962129 0.780022291 -6.653479432 stable

TMEM52 0.008785852 2.901412027 0.818682054 0.41798397 0.780022291 -6.653511146 stable

PYCARD 0.093026189 11.70686677 0.818619523 0.418019224 0.780026194 -6.65356233 stable

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AACS 0.044110426 8.627503076 0.818330044 0.418182454 0.78003044 -6.653799235 stable

NXPE1 0.009826329 2.623360679 0.818249245 0.418228022 0.78003044 -6.653865345 stable

LINC00408 0.001083556 1.88770636 0.818187728 0.418262717 0.78003044 -6.653915675 stable

LOC100130357 0.060130907 2.425606878 0.818037793 0.418347287 0.78003044 -6.654038327 stable

POLG2 -0.041912754 8.302228971 -0.818029271 0.418352094 0.78003044 -6.654045297 stable

MIR4435-1HG /// RP11-181E10.3 0.032864445 3.975618711 0.81802733 0.418353189 0.78003044 -6.654046884 stable

PPP4R4 0.003178409 3.023450143 0.817911724 0.418418403 0.78003044 -6.654141438 stable

SH3BP2 0.083699223 9.444569349 0.817888044 0.418431762 0.78003044 -6.654160804 stable

RRH 0.00131874 2.235512799 0.817884389 0.418433824 0.78003044 -6.654163793 stable

DNAJC9-AS1 -0.002704127 2.405524629 -0.817845937 0.418455517 0.78003044 -6.654195239 stable

SMR3A /// SMR3B 0.001227403 2.179670223 0.817837484 0.418460286 0.78003044 -6.654202152 stable

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TNNC1 0.003956473 2.984114213 0.817702726 0.418536316 0.78003044 -6.654312343 stable

MYH2 0.004277531 2.722771747 0.81749959 0.418650942 0.78003044 -6.654478415 stable

DONSON 0.047231566 7.686889956 0.817436473 0.418686562 0.78003044 -6.654530008 stable

LOC101927206 0.002284147 2.471549126 0.817360374 0.41872951 0.78003044 -6.654592206 stable

AKAP12 0.002094611 1.981479326 0.817260294 0.418785997 0.78003044 -6.654673998 stable

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ORF1 0.001109508 2.035519687 0.817160849 0.41884213 0.78003044 -6.65475526 stable

WNT16 -0.024503033 2.785181034 -0.817123259 0.41886335 0.78003044 -6.654785975 stable

LOC101927599 -0.04332892 4.063650883 -0.817068358 0.418894342 0.78003044 -6.654830832 stable

FDPSP5 /// FDPSP5 0.007096848 3.472172132 0.817050528 0.418904407 0.78003044 -6.654845399 stable

TSSC4 -0.05572287 8.235524913 -0.81702643 0.418918012 0.78003044 -6.654865087 stable

MEDAG 0.007304363 3.862758933 0.816988384 0.418939491 0.78003044 -6.65489617 stable

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GOLGA7B 0.108879684 6.348220618 0.816862194 0.419010737 0.78003044 -6.654999252 stable

UBE3C 0.030480591 3.948715088 0.816849107 0.419018127 0.78003044 -6.655009942 stable

C6orf10 0.004403833 2.532627401 0.816830443 0.419028665 0.78003044 -6.655025187 stable

LINC01212 0.008277383 3.187932398 0.816793442 0.419049557 0.78003044 -6.655055408 stable

AK024242 /// RP11-758M4.4 0.015821121 3.57638117 0.816695166 0.419105052 0.780072004 -6.655135671 stable

ROCK1 -0.044643992 3.892270037 -0.816509248 0.419210048 0.780158548 -6.655287488 stable

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LINC00555 0.001143614 2.109671702 0.816429243 0.419255235 0.780166328 -6.655352807 stable

RP11-10N23.4 0.066553041 4.827353055 0.816220923 0.41937291 0.780323568 -6.655522861 stable

L3MBTL3 -0.073429779 8.232465295 -0.8160339 0.419478572 0.780458431 -6.655675492 stable

MIR6878 /// TARS2 0.047002073 7.96811066 0.815904755 0.419551544 0.780532458 -6.65578087 stable

RP1-6P5.2 0.014231505 3.718208661 0.815581516 0.419734221 0.780707223 -6.656044551 stable

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CCL21 0.02962029 2.936143561 0.815496933 0.419782031 0.780713717 -6.656113533 stable

C9orf135 0.024491044 2.629416314 0.815379698 0.419848302 0.780713717 -6.656209131 stable

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CADM3 -0.019369703 3.382420465 -0.815321293 0.41988132 0.780713717 -6.656256753 stable

LINC01222 -0.011673141 3.672559373 -0.815132199 0.419988231 0.780850777 -6.656410911 stable

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PCDHGA1 0.001129794 2.067266736 0.814965249 0.420082635 0.780902843 -6.656546987 stable

TNK1 -0.032105945 5.25264823 -0.814709907 0.420227048 0.781092023 -6.656755058 stable

ELOVL5 -0.01190744 2.706742941 -0.814623329 0.420276021 0.781092023 -6.656825594 stable

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TSPAN7 -0.002895054 2.543296686 -0.814545843 0.420319853 0.781096885 -6.656888715 stable

S1PR2 -0.002352253 2.16779665 -0.814393879 0.420405825 0.781194929 -6.657012493 stable

RP1-187B23.1 -0.005364017 2.245733209 -0.814333508 0.420439982 0.781196286 -6.657061659 stable

DPY19L2P3 0.00347775 2.727596128 0.814275187 0.420472981 0.781196286 -6.657109153 stable

CNTNAP5 0.002986012 2.174346148 0.814216195 0.420506361 0.781196597 -6.657157191 stable

LSP1 0.079037287 12.34189275 0.814129656 0.420555331 0.781225868 -6.657227652 stable

BIN3 -0.204905459 4.40615702 -0.813849287 0.420714009 0.781254155 -6.657455887 stable

SGSH -0.064672664 8.368460093 -0.813844941 0.420716469 0.781254155 -6.657459424 stable

SNX25 -0.128187163 7.072068805 -0.813777834 0.420754454 0.781254155 -6.657514042 stable

VN1R4 0.001964213 2.452777403 0.813748058 0.420771309 0.781254155 -6.657538274 stable

LTB -0.085159461 6.6078362 -0.813714346 0.420790393 0.781254155 -6.657565709 stable

SLC7A6 -0.078969185 9.21307385 -0.813696427 0.420800537 0.781254155 -6.657580291 stable

USH2A 0.003329507 2.391365786 0.813650693 0.420826427 0.781254155 -6.657617507 stable

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APOC2 /// APOC4 /// APOC4-APOC2 0.00325787 2.799374499 0.813430629 0.420951021 0.781254155 -6.657796555 stable

SOWAHA 0.004178488 2.905937496 0.813426509 0.420953354 0.781254155 -6.657799907 stable

RNF182 -0.093110687 3.283473923 -0.813419946 0.42095707 0.781254155 -6.657805245 stable

SCEL 0.043402595 4.18813072 0.813398627 0.420969141 0.781254155 -6.657822588 stable

LOC283887 -0.013388098 1.8998614 -0.813171172 0.421097946 0.78127436 -6.658007593 stable

RP6-91H8.2 -0.02035115 2.617417963 -0.813113816 0.421130429 0.78127436 -6.658054237 stable

CSN2 0.013243084 3.493518123 0.813080161 0.421149491 0.78127436 -6.658081605 stable

MCF2L 0.00111533 1.90075174 0.813073682 0.421153161 0.78127436 -6.658086874 stable

LOC101928669 /// LOC644450 0.005646985 3.617616958 0.813046798 0.421168388 0.78127436 -6.658108734 stable

MRGPRX1 0.006700274 2.963606233 0.812924553 0.42123763 0.78127436 -6.65820813 stable

LOC101927040 0.011067238 3.230169291 0.812910411 0.421245641 0.78127436 -6.658219627 stable

COLGALT1 -0.077364875 10.21416106 -0.812910208 0.421245756 0.78127436 -6.658219792 stable

AF279780 0.006817333 3.308013084 0.812771165 0.421324523 0.781358835 -6.658332826 stable

C17orf50 0.00171871 2.403818655 0.812508188 0.421473523 0.781438993 -6.658546559 stable

CBFA2T3 -0.095823386 9.067357669 -0.812489876 0.421483899 0.781438993 -6.65856144 stable

AUNIP 0.02323975 2.622082452 0.812399121 0.421535327 0.781438993 -6.658635183 stable

LOC101927346 0.004585884 2.698449252 0.812382392 0.421544808 0.781438993 -6.658648776 stable

FBXL8 -0.067744242 6.06245614 -0.812362708 0.421555963 0.781438993 -6.658664768 stable

LINC00483 0.007709807 3.112256168 0.812343085 0.421567084 0.781438993 -6.658680712 stable

CLRN1 0.005880168 2.960242352 0.812212714 0.421640972 0.78149545 -6.658786625 stable

LOC100422781 0.002951093 2.556089701 0.8121721 0.421663992 0.78149545 -6.658819616 stable

PCDHB11 -0.001636168 2.224223927 -0.811811953 0.421868155 0.781726335 -6.659112099 stable

LHX8 0.010624113 3.558087647 0.811786116 0.421882804 0.781726335 -6.659133077 stable

FAM188B /// INMT /// INMT-FAM188B 0.002615508 2.337962234 0.811702914 0.42192998 0.781726335 -6.659200627 stable

NUDT13 -0.116535824 6.398309134 -0.811692247 0.421936028 0.781726335 -6.659209287 stable

FKRP 0.083926277 3.164492345 0.811643348 0.421963756 0.781726335 -6.659248984 stable

PRTG -0.002448918 2.298695271 -0.811600629 0.42198798 0.781726335 -6.659283661 stable

SRCIN1 -0.026165905 4.409346953 -0.811430235 0.422084612 0.781843767 -6.659421963 stable

RP11-307L14.1 /// RP11-307L14.2 -0.033905658 2.90387619 -0.81133221 0.422140209 0.781853459 -6.659501514 stable

PLA2G2F 0.002484223 2.63080208 0.811201216 0.422214512 0.781853459 -6.659607805 stable

DNAL4 0.053469182 5.961616601 0.811141447 0.422248417 0.781853459 -6.659656297 stable

FAM84B 0.091979072 8.834742673 0.81109577 0.422274329 0.781853459 -6.659693353 stable

PFKFB2 0.027723329 3.106982631 0.810994068 0.422332028 0.781853459 -6.659775854 stable

ARSD 0.1686464 6.914945838 0.810985381 0.422336956 0.781853459 -6.659782901 stable

WDR18 -0.065467439 7.903285142 -0.810972996 0.422343983 0.781853459 -6.659792947 stable

ROGDI -0.141186497 9.200643608 -0.810952223 0.422355769 0.781853459 -6.659809797 stable

LRRC4B 0.004047049 3.003686734 0.810772329 0.422457843 0.781900096 -6.659955695 stable

SCN1A 0.001848166 2.054050183 0.810717476 0.42248897 0.781900096 -6.660000177 stable

BLOC1S4 0.069287366 10.36524879 0.810713287 0.422491347 0.781900096 -6.660003574 stable

LINC00620 0.001516219 2.164939436 0.810673488 0.422513933 0.781900096 -6.660035845 stable

OCEL1 0.073685516 7.943975117 0.810319765 0.4227147 0.78221009 -6.6603226 stable

LEAP2 0.05681604 6.872895143 0.810192284 0.42278707 0.782240853 -6.660425915 stable

FAM198A 0.002093671 2.417247074 0.810173316 0.422797838 0.782240853 -6.660441287 stable

TMEM5 0.101679438 4.925388049 0.810053413 0.422865914 0.782253902 -6.660538445 stable

LBX2-AS1 0.100776518 5.824780791 0.809910536 0.422947043 0.782253902 -6.660654201 stable

A2M 0.001234587 2.065715918 0.809899209 0.422953476 0.782253902 -6.660663377 stable

LOC100287896 0.103185199 6.599494216 0.809849887 0.422981484 0.782253902 -6.660703331 stable

OR10D1P 0.005395367 2.735315512 0.80974742 0.423039675 0.782253902 -6.66078633 stable

RP11-544D21.2 -0.003537782 2.31401935 -0.809718452 0.423056127 0.782253902 -6.660809792 stable

GAL -0.008492688 2.460200096 -0.809700957 0.423066064 0.782253902 -6.660823962 stable

FOXG1 0.002348312 2.461005255 0.809652115 0.423093804 0.782253902 -6.660863518 stable

UTP18 -0.028092422 11.3052343 -0.809633793 0.423104211 0.782253902 -6.660878356 stable

C5orf63 -0.136419553 5.959498754 -0.809548487 0.423152665 0.782281995 -6.660947437 stable

LDLRAP1 -0.102982498 12.27485549 -0.809478191 0.423192595 0.782294328 -6.661004357 stable

ABCG5 0.002635947 2.605012018 0.809407818 0.423232572 0.782306745 -6.661061335 stable

ZNF844 0.041698678 4.102267424 0.809289871 0.423299579 0.782369119 -6.661156821 stable

MRPL54 -0.064494711 8.866036775 -0.80914316 0.423382937 0.7824617 -6.661275574 stable

C1orf109 0.047410384 7.267363066 0.808959467 0.423487321 0.782593124 -6.661424233 stable

ZDHHC5 0.032334483 10.16496065 0.808894195 0.423524416 0.782600187 -6.661477048 stable

GMDS-AS1 /// RP1-80B9.2 -0.016057052 3.671431579 -0.808818185 0.423567615 0.78261853 -6.661538547 stable

USP9Y 0.002914241 2.564800631 0.808722678 0.4236219 0.782622229 -6.661615813 stable

EEPD1 -0.006766593 1.901578248 -0.808697583 0.423636164 0.782622229 -6.661636114 stable

PPP2R4 -0.033043458 9.300067798 -0.808502791 0.423746896 0.782732242 -6.66179367 stable

INTS9 0.047587375 8.708488709 0.808431275 0.423787555 0.782732242 -6.661851505 stable

NLGN1 0.007570614 2.9100935 0.808304898 0.423859409 0.782732242 -6.661953696 stable

SMPX -0.001755089 2.424372692 -0.808261909 0.423883853 0.782732242 -6.661988455 stable

BDNF 0.002772067 2.810483778 0.808248595 0.423891423 0.782732242 -6.661999219 stable

ENG 0.09535256 6.140157364 0.808241631 0.423895383 0.782732242 -6.662004849 stable

LOC101929648 0.002578886 2.727844079 0.808080158 0.423987207 0.782818868 -6.662135387 stable

CYP4B1 0.001211543 2.081942792 0.808042086 0.424008859 0.782818868 -6.662166161 stable

PAXIP1 -0.049238645 8.611300497 -0.807948843 0.424061891 0.782855328 -6.662241526 stable

RTN4IP1 -0.073533957 6.704958845 -0.807828596 0.424130286 0.782920143 -6.662338704 stable

KCNJ14 0.036181779 2.976627294 0.807718461 0.424192936 0.782925132 -6.662427698 stable

SLC25A25 -0.041167458 8.544959899 -0.807706814 0.424199561 0.782925132 -6.662437108 stable

LIN28B 0.002151611 2.436467031 0.807508275 0.424312515 0.783017454 -6.662597505 stable

PCDH15 0.002581452 2.497779207 0.807501862 0.424316163 0.783017454 -6.662602684 stable

EIF4E 0.033001705 10.64480888 0.80739135 0.424379044 0.783072057 -6.662691948 stable

EXOC3L1 0.00120803 1.870475653 0.807222001 0.424475414 0.783132132 -6.662828713 stable

RDH5 -0.113244571 6.287643526 -0.80721712 0.424478192 0.783132132 -6.662832654 stable

LYNX1 -0.007207999 2.287363866 -0.807112483 0.424537744 0.783173971 -6.662917144 stable

RP11-388M20.6 0.007451535 2.377877552 0.807060267 0.424567463 0.783173971 -6.662959302 stable

CRYBG3 0.156842101 7.388730498 0.806927332 0.424643131 0.783252124 -6.663066619 stable

DDR2 -0.004760727 2.496522382 -0.806769149 0.42473318 0.783308942 -6.663194296 stable

LINC00943 0.001613816 2.360760679 0.806756221 0.42474054 0.783308942 -6.66320473 stable

NHSL2 0.032100576 2.65023078 0.806460529 0.424908903 0.783509288 -6.663443328 stable

LOC100505622 -0.072889858 6.010520081 -0.806448421 0.424915798 0.783509288 -6.663453097 stable

PEG3-AS1 -0.006648982 2.61926627 -0.806246247 0.425030937 0.783659941 -6.663616183 stable

AC003986.5 /// BC043576 -0.004161737 2.184481965 -0.806138142 0.425092511 0.783659941 -6.663703371 stable

FAM83B 0.002879228 2.705223935 0.806129466 0.425097453 0.783659941 -6.663710368 stable

ZBED6 0.001518929 2.199950789 0.806025202 0.425156845 0.783670222 -6.663794447 stable

RAB6A /// RAB6C /// WTH3DI 0.037362145 11.58490635 0.805880011 0.425239558 0.783670222 -6.663911512 stable

STIL -0.028950606 5.472228873 -0.805833355 0.42526614 0.783670222 -6.663949126 stable

EDC3 0.045620538 7.987204759 0.805824415 0.425271233 0.783670222 -6.663956332 stable

DEFB104A /// DEFB104B 0.00341894 2.944918836 0.80581829 0.425274723 0.783670222 -6.66396127 stable

ADAM30 -0.001577545 2.32393822 -0.805723139 0.425328938 0.783670222 -6.664037973 stable

ADAM2 0.003294264 2.659596374 0.805709256 0.425336848 0.783670222 -6.664049163 stable

MT2A 0.078474356 11.6966211 0.805651826 0.425369573 0.783670222 -6.664095453 stable

FSCN2 0.002426761 2.412165999 0.805561043 0.425421305 0.78370349 -6.664168618 stable

TPSG1 0.006660546 2.829086443 0.80548063 0.425467132 0.78370349 -6.66423342 stable

PVRL1 0.002815535 2.79607898 0.80532884 0.425553643 0.78370349 -6.664355726 stable

FAM35A 0.030722765 11.01194866 0.805292875 0.425574143 0.78370349 -6.664384701 stable

GLB1L3 0.001275312 2.232565847 0.805237521 0.425605695 0.78370349 -6.664429295 stable

HPS4 -0.028089049 6.81933441 -0.805186056 0.425635032 0.78370349 -6.664470754 stable

TMEM252 0.022125404 2.454134656 0.805181212 0.425637793 0.78370349 -6.664474656 stable

RP11-356B19.11 -0.008626626 2.628430886 -0.805152457 0.425654185 0.78370349 -6.664497819 stable

PUSL1 -0.074067649 7.302016785 -0.805047294 0.425714137 0.783729652 -6.664582523 stable

GJB2 0.003558192 2.889178692 0.805001852 0.425740044 0.783729652 -6.664619122 stable

GATA6-AS1 0.020179236 4.149787972 0.804952194 0.425768356 0.783729652 -6.664659113 stable

MEP1A 0.001117338 2.143860226 0.80487262 0.425813727 0.783744901 -6.664723192 stable

IKBKG -0.043150132 9.499639911 -0.804684855 0.425920796 0.783744901 -6.66487437 stable

COX8C 0.004536865 2.915096443 0.804612416 0.425962108 0.783744901 -6.664932685 stable

OR7D2 -0.01269687 3.281043934 -0.804605124 0.425966267 0.783744901 -6.664938556 stable

TMPRSS2 0.001642764 2.093714326 0.804479966 0.426037649 0.783744901 -6.665039297 stable

LINC00992 /// LINC00992 0.00184814 2.460982945 0.804432595 0.426064669 0.783744901 -6.665077423 stable

FGG 0.002550262 2.72898929 0.80439055 0.426088652 0.783744901 -6.665111261 stable

PKD1L1 0.00142389 2.299217606 0.804369856 0.426100456 0.783744901 -6.665127914 stable

TXNRD1 0.003021408 2.585274398 0.804302514 0.42613887 0.783744901 -6.665182105 stable

NPY 0.001322564 2.285435923 0.80428831 0.426146973 0.783744901 -6.665193535 stable

C1orf106 0.002062903 2.519986439 0.804224113 0.426183595 0.783744901 -6.665245191 stable

CTA-384D8.35 -0.014901305 2.925738523 -0.804212442 0.426190254 0.783744901 -6.665254581 stable

BC042590 0.074810187 4.058371781 0.804178157 0.426209814 0.783744901 -6.665282167 stable

NCOA4 -0.053791892 14.70148114 -0.804060223 0.426277099 0.783797236 -6.665377046 stable

WDR43 0.058600344 8.455979477 0.803971134 0.426327932 0.783797236 -6.665448709 stable

UQCRB -0.027249964 14.18140576 -0.803953062 0.426338244 0.783797236 -6.665463246 stable

SLC19A1 0.010374385 2.220193083 0.803704296 0.426480208 0.783850469 -6.66566331 stable

TRPC3 0.003315708 2.76320815 0.803664787 0.426502757 0.783850469 -6.665695079 stable

HABP4 -0.049507754 6.533321074 -0.803629662 0.426522805 0.783850469 -6.665723321 stable

LOC100509814 0.004543342 2.88154556 0.803577276 0.426552706 0.783850469 -6.66576544 stable

MZT1 -0.044636459 8.919768037 -0.803534043 0.426577383 0.783850469 -6.665800198 stable

SNHG17 -0.098118835 9.374015595 -0.803505623 0.426593606 0.783850469 -6.665823045 stable

LINC00403 0.005865781 3.059501091 0.803476453 0.426610257 0.783850469 -6.665846495 stable

DRD1 0.002162196 2.676004526 0.803433116 0.426634996 0.783850469 -6.665881333 stable

RP11-342L8.2 0.006365498 3.013150558 0.803376826 0.42666713 0.783850469 -6.665926579 stable

CCDC82 0.01187043 2.926442392 0.803193084 0.426772032 0.783957897 -6.666074253 stable

AGAP10 /// AGAP11 /// AGAP4 /// AGAP5 /// AGAP9 /// BMS1P5 /// CTGLF12P /// LOC101060581 -0.053951783 9.370180654 -0.803157649 0.426792265 0.783957897 -6.666102729 stable

TBL2 0.00172695 2.295738652 0.802928446 0.426923148 0.784137074 -6.666286886 stable

TMEM235 0.001416941 2.330480016 0.802838224 0.426974674 0.784170478 -6.666359362 stable

FAM168A 0.041750574 8.346429914 0.802498536 0.427168707 0.784429384 -6.666632168 stable

HPCA -0.025376188 2.948763935 -0.802474661 0.427182347 0.784429384 -6.666651337 stable

C19orf81 0.003907322 2.90677767 0.802382723 0.427234873 0.784455145 -6.666725152 stable

SULT2B1 -0.004197146 2.855884207 -0.80230159 0.427281229 0.784455145 -6.666790285 stable

CNN3P1 /// CNN3P1 0.002156338 2.488337933 0.802261908 0.427303903 0.784455145 -6.666822139 stable

NOP14-AS1 0.068845047 3.651997957 0.80221662 0.427329781 0.784455145 -6.666858491 stable

CDH6 -0.005970772 3.036946462 -0.802047358 0.427426507 0.784571474 -6.666994338 stable

NRIP1 -0.045941986 10.43060045 -0.801832549 0.42754928 0.784597913 -6.667166701 stable

ZNF891 0.027335582 4.274034252 0.801822993 0.427554742 0.784597913 -6.667174368 stable

LOC401134 0.006806318 3.189592843 0.801749658 0.427596662 0.784597913 -6.667233201 stable

C19orf24 -0.047193251 8.246257735 -0.801742479 0.427600765 0.784597913 -6.66723896 stable

TAB1 0.053762392 6.096449194 0.801730353 0.427607697 0.784597913 -6.667248688 stable

FRMPD2 /// FRMPD2P1 /// LOC101930006 0.001353972 2.062800626 0.801601169 0.427681548 0.784631983 -6.667352311 stable

LOC285423 0.003479143 2.46128124 0.801532336 0.427720902 0.784631983 -6.667407518 stable

ACACA 0.055022897 7.877425751 0.801522821 0.427726342 0.784631983 -6.667415149 stable

UCHL5 0.001311071 2.147540072 0.801288248 0.427860469 0.784717596 -6.667603249 stable

HMGCL 0.047887848 9.264625465 0.801275747 0.427867617 0.784717596 -6.667613271 stable

MPP5 0.033847576 6.845845401 0.801266161 0.427873099 0.784717596 -6.667620958 stable

ITLN1 0.005372404 2.855042446 0.801098496 0.427968986 0.784832256 -6.667755369 stable

PTPN14 0.001497412 2.417030659 0.800803856 0.428137521 0.785071976 -6.667991507 stable

SLC51B 0.006301043 3.1069403 0.800716716 0.428187373 0.785071976 -6.668061328 stable

PRAC1 -0.002416275 2.67071376 -0.800694929 0.428199838 0.785071976 -6.668078784 stable

CELA3B -0.004862539 2.631058322 -0.800480861 0.428322321 0.785235333 -6.668250272 stable

ACSM2A 0.004941781 2.872297092 0.800364064 0.428389158 0.785272213 -6.668343819 stable

ADRB1 0.026285729 3.17978167 0.800329026 0.42840921 0.785272213 -6.668371879 stable

TMED7 /// TMED7-TICAM2 0.04755434 9.533624452 0.800232438 0.428464489 0.785291081 -6.668449226 stable

LOC284578 0.004787011 2.758950216 0.800119471 0.428529147 0.785291081 -6.668539679 stable

EGOT 0.001208302 2.404452561 0.800082828 0.428550121 0.785291081 -6.668569016 stable

GRPR 0.009434483 2.201855999 0.800060013 0.428563181 0.785291081 -6.668587281 stable

TFPI2 0.007308465 3.14122992 0.799991494 0.428602403 0.785291081 -6.668642133 stable

FAM159A -0.10050252 5.123706617 -0.799856203 0.428679854 0.785291081 -6.668750427 stable

LOC153910 0.001638015 2.351009671 0.799853501 0.428681401 0.785291081 -6.66875259 stable

LOC101927043 -0.002371926 2.569024633 -0.79980325 0.428710171 0.785291081 -6.668792809 stable

ARHGAP42 0.006296967 3.119841247 0.799764029 0.428732626 0.785291081 -6.668824198 stable

DBF4B 0.014836248 3.046514851 0.799727796 0.428753372 0.785291081 -6.668853194 stable

LOC100288966 0.021310503 3.697034799 0.799434 0.42892161 0.785505662 -6.669088266 stable

ERGIC1 0.090935805 9.227892898 0.799334138 0.428978804 0.785505662 -6.669168148 stable

LOC147004 0.009694526 2.486267292 0.79927245 0.429014136 0.785505662 -6.669217489 stable

CXCL1 0.28015084 3.297496517 0.799234416 0.429035922 0.785505662 -6.669247909 stable

UFC1 -0.022051868 12.24411889 -0.799231646 0.429037508 0.785505662 -6.669250124 stable

DIXDC1 -0.024576613 3.443641331 -0.799128817 0.429096412 0.785552358 -6.66933236 stable

SNAP91 0.002223806 2.521608784 0.799054258 0.429139123 0.785569408 -6.66939198 stable

LOC100379224 0.012794821 3.537202764 0.79883207 0.429266422 0.785603164 -6.66956962 stable

KRT6A /// KRT6B /// KRT6C 0.001615544 2.376278845 0.798820767 0.429272899 0.785603164 -6.669578655 stable

EPG5 -0.076368542 6.106403017 -0.798620474 0.429387673 0.785603164 -6.669738746 stable

SEC14L5 -0.23499349 5.92717274 -0.798596217 0.429401574 0.785603164 -6.669758132 stable

LOC101926960 0.006451921 3.167812632 0.798593247 0.429403276 0.785603164 -6.669760505 stable

TTC39A 0.069637351 2.520446049 0.798556796 0.429424167 0.785603164 -6.669789635 stable

DNAJC19 -0.03622297 8.131940398 -0.798487913 0.429463645 0.785603164 -6.669844679 stable

CHMP4A /// TM9SF1 -0.024390567 11.06410815 -0.79845804 0.429480767 0.785603164 -6.669868549 stable

KB-1836B5.1 -0.009759301 2.631016643 -0.79842565 0.429499332 0.785603164 -6.669894429 stable

OGFRP1 -0.001387961 2.223925747 -0.798405193 0.429511057 0.785603164 -6.669910774 stable

LZTS1-AS1 0.001244737 2.241784967 0.79838093 0.429524964 0.785603164 -6.66993016 stable

STAT5B -0.094065216 8.005459198 -0.798081159 0.429696811 0.785678439 -6.67016962 stable

RP13-638C3.2 -0.003515489 2.851986848 -0.798057868 0.429710164 0.785678439 -6.670188221 stable

CHRD 0.001625041 2.606227926 0.797955762 0.429768708 0.785678439 -6.670269762 stable

CES2 -0.04705763 9.828154109 -0.797894698 0.429803722 0.785678439 -6.670318523 stable

LOC101929512 0.003103948 2.548639033 0.797855827 0.429826012 0.785678439 -6.67034956 stable

CBL 0.055375218 6.448767451 0.797852241 0.429828069 0.785678439 -6.670352424 stable

ZNF382 -0.063139085 4.470444601 -0.797767462 0.429876685 0.785678439 -6.670420111 stable

CXCL3 -0.018740182 3.329351039 -0.797691385 0.429920315 0.785678439 -6.670480845 stable

BOLA2 /// BOLA2B -0.05285508 10.59459755 -0.797648679 0.429944807 0.785678439 -6.670514936 stable

SLC7A14 -0.007266377 2.29407473 -0.797641362 0.429949004 0.785678439 -6.670520777 stable

ABCA17P -0.021627615 2.975053857 -0.797506891 0.430026132 0.785678439 -6.670628109 stable

HMGCS2 0.009260581 2.689135679 0.797505698 0.430026816 0.785678439 -6.670629061 stable

RP11-1007O24.2 0.003942728 2.875940484 0.797498743 0.430030805 0.785678439 -6.670634611 stable

DKFZp547J222 0.003525963 2.661151665 0.79749358 0.430033767 0.785678439 -6.670638732 stable

TRAPPC6A -0.042289759 9.882040122 -0.797428882 0.430070879 0.785685215 -6.670690365 stable

CCNF 0.08278962 6.597243688 0.797172501 0.430217962 0.785728617 -6.670894934 stable

INO80C 0.023523528 3.605080627 0.797169944 0.430219429 0.785728617 -6.670896974 stable

CYCSP33 /// CYCSP33 -0.019170485 3.924449718 -0.797159326 0.430225521 0.785728617 -6.670905445 stable

LOC100506314 -0.087006592 3.05550932 -0.797080506 0.430270746 0.785728617 -6.670968323 stable

CFHR4 0.00206784 2.812913369 0.796979936 0.430328454 0.785728617 -6.671048542 stable

NOX4 0.002345605 2.56552888 0.796969679 0.43033434 0.785728617 -6.671056723 stable

KDM4D 0.001872299 2.473043679 0.796876481 0.430387823 0.785728617 -6.671131053 stable

TMEM203 0.036332027 10.54119441 0.796836884 0.430410548 0.785728617 -6.67116263 stable

SYPL2 0.001032302 1.945041649 0.796805484 0.430428569 0.785728617 -6.67118767 stable

BRE -0.039707205 9.499070342 -0.796805272 0.43042869 0.785728617 -6.67118784 stable

CST11 0.005222135 2.264355872 0.796743442 0.430464177 0.785732415 -6.671237143 stable

SPG7 0.00457406 3.054161526 0.796674703 0.43050363 0.785743453 -6.671291951 stable

C2 0.007382116 3.291395453 0.796599464 0.430546817 0.785761304 -6.671351936 stable

C10orf128 0.003869934 2.242186127 0.796510629 0.430597811 0.785769966 -6.671422754 stable

TMOD4 /// VPS72 -0.022901477 2.561282891 -0.796474803 0.430618378 0.785769966 -6.671451312 stable

NXPH4 -0.023983654 4.269615629 -0.796314119 0.430710627 0.785812509 -6.671579383 stable

AMDHD2 /// CEMP1 0.044598113 6.983944468 0.796306058 0.430715256 0.785812509 -6.671585808 stable

LOC102723809 -0.027927583 3.330472434 -0.796259619 0.430741919 0.785812509 -6.671622815 stable

CIC -0.029662997 9.799390767 -0.796150553 0.430804544 0.785815444 -6.671709725 stable

C19orf48 /// SNORD88C -0.057954045 7.001101567 -0.796080895 0.430844545 0.785815444 -6.671765226 stable

LINC00969 /// SDHAP1 /// SDHAP2 0.070925829 9.719089197 0.796066836 0.430852618 0.785815444 -6.671776427 stable

COL18A1 -0.19482763 8.715574858 -0.795985678 0.430899225 0.785815444 -6.671841083 stable

LEPREL2 -0.007444366 2.58507047 -0.795829369 0.430988999 0.785815444 -6.671965594 stable

LOC101928449 0.001743192 2.608965154 0.795793539 0.431009579 0.785815444 -6.671994131 stable

LINC01271 0.001925898 2.469376887 0.79579167 0.431010652 0.785815444 -6.67199562 stable

CHD2 -0.068131699 8.694637982 -0.795736876 0.431042126 0.785815444 -6.672039259 stable

GDPD3 0.062989631 7.090292363 0.795733248 0.43104421 0.785815444 -6.672042148 stable

KDELR3 -0.001117242 2.17694802 -0.795602027 0.431119589 0.785891951 -6.672146643 stable

AC100830.4 -0.064127871 5.803745787 -0.795526713 0.431162856 0.785897418 -6.67220661 stable

SRXN1 0.114321286 8.529431753 0.795480488 0.431189413 0.785897418 -6.672243413 stable

C8B -0.002523921 2.692128098 -0.795233325 0.43133143 0.786049843 -6.672440162 stable

MKL1 0.066381238 6.789485998 0.795206983 0.431346567 0.786049843 -6.672461128 stable

C6orf52 -0.013480613 2.923934891 -0.795099007 0.431408619 0.786049843 -6.672547058 stable

HSP90AB1 0.045425552 13.14256404 0.795052357 0.431435429 0.786049843 -6.67258418 stable

XPA -0.037316141 9.574005919 -0.79502283 0.431452399 0.786049843 -6.672607675 stable

C12orf54 0.010404501 2.699202465 0.794955231 0.431491252 0.786049843 -6.672661462 stable

RP1-39J2.1 0.0041312 2.99883579 0.794927876 0.431506976 0.786049843 -6.672683227 stable

TBC1D8 0.1782922 9.638444266 0.794755733 0.431605927 0.786109064 -6.672820171 stable

POU6F2 -0.00363266 3.05426676 -0.794719898 0.431626528 0.786109064 -6.672848675 stable

COL6A1 -0.0018522 2.167506807 -0.794667194 0.431656827 0.786109064 -6.672890596 stable

UGT1A6 -0.002484774 2.18002368 -0.794638765 0.431673171 0.786109064 -6.672913207 stable

SLC25A11 0.071625784 9.510717157 0.794552977 0.431722494 0.786138018 -6.672981433 stable

IDUA -0.090533393 5.272674355 -0.794491426 0.431757884 0.7861416 -6.673030379 stable

ISY1 0.032694368 7.701272138 0.794420757 0.431798519 0.78615473 -6.673086572 stable

RP11-305L7.3 0.038301943 2.086143758 0.794329453 0.431851022 0.786189465 -6.673159166 stable

TFR2 -0.0359174 3.483262299 -0.794143793 0.431957796 0.786300924 -6.673306755 stable

ZDHHC12 0.073741581 7.629995057 0.794106743 0.431979106 0.786300924 -6.673336204 stable

METTL10 0.00354091 2.898593634 0.793979068 0.432052543 0.786337158 -6.673437674 stable

DIAPH3 0.001244135 2.146732294 0.793945736 0.432071717 0.786337158 -6.673464162 stable

RHOU 0.130120401 9.017622963 0.793877829 0.432110781 0.786337158 -6.673518124 stable

LINC01241 0.003022532 2.912566825 0.793807201 0.432151411 0.786337158 -6.673574241 stable

FECH 0.10202031 5.8502819 0.793781551 0.432166168 0.786337158 -6.673594621 stable

ENO3 0.123193371 5.679072344 0.793622355 0.432257762 0.786352074 -6.673721091 stable

LOC101060424 -0.018511815 2.60157803 -0.793498031 0.4323293 0.786352074 -6.67381984 stable

FGF16 0.002314102 2.420295033 0.793486848 0.432335735 0.786352074 -6.673828721 stable

PRKD3 0.054025714 3.437406461 0.793453231 0.43235508 0.786352074 -6.67385542 stable

DNAH7 -0.014559317 3.213129624 -0.793432539 0.432366987 0.786352074 -6.673871853 stable

ADAMTS5 0.008661041 3.387092699 0.79341869 0.432374957 0.786352074 -6.673882851 stable

C19orf25 0.0394333 9.244662513 0.793028078 0.432599782 0.78670013 -6.674192983 stable

LOC100130278 0.001562458 2.30909376 0.792914508 0.432665163 0.786758198 -6.674283125 stable

TAF1 0.068012341 7.965749224 0.792777283 0.432744169 0.786806304 -6.674392027 stable

TCF15 -0.046944713 3.839143123 -0.792752358 0.432758521 0.786806304 -6.674411805 stable

SMIM22 0.001226753 2.193676619 0.792519273 0.43289274 0.7869895 -6.674596733 stable

ZNF763 0.01070984 3.46220362 0.792386273 0.432969339 0.78706792 -6.674702231 stable

ALKBH7 -0.037428902 2.894356032 -0.792316513 0.433009518 0.787073121 -6.674757558 stable

BC044765 /// RP11-96B5.4 0.004553174 2.949482802 0.792265112 0.433039125 0.787073121 -6.674798322 stable

EVI5 -0.075995619 4.140429569 -0.792191035 0.433081796 0.787089856 -6.674857065 stable

CYHR1 -0.072128098 7.971409039 -0.792025671 0.43317706 0.787147114 -6.67498818 stable

EEA1 0.033528712 4.1276955 0.792020164 0.433180232 0.787147114 -6.674992546 stable

MXD3 -0.048075406 8.29384607 -0.791525477 0.43346529 0.787604256 -6.675384613 stable

FLII /// LLGL1 -0.018160572 2.643451598 -0.791310583 0.433589155 0.787708193 -6.675554855 stable

HMGN3-AS1 0.008617832 2.765187533 0.791310033 0.433589472 0.787708193 -6.675555291 stable

DPPA3 /// DPPA3P2 /// LOC101060236 0.010190818 3.479617079 0.79113974 0.433687645 0.787769439 -6.675690167 stable

RPS11 /// SNORD35B 0.011638183 15.80549486 0.791113919 0.433702532 0.787769439 -6.675710616 stable

FNDC9 -0.018148945 2.722505307 -0.791049028 0.433739945 0.787769439 -6.675762002 stable

TSTD2 -0.012416407 2.746229244 -0.791019182 0.433757154 0.787769439 -6.675785635 stable

SARM1 -0.065425618 6.583039304 -0.790891518 0.433830766 0.787842299 -6.675886715 stable

MTSS1L -0.022567759 2.520473544 -0.790828417 0.433867154 0.787847552 -6.675936671 stable

KCNH6 0.001980838 2.518454105 0.790734081 0.433921557 0.787885514 -6.676011346 stable

SPACA4 0.002436851 2.235785955 0.790571316 0.434015433 0.787958423 -6.676140171 stable

TFEB -0.082563288 9.303590887 -0.790495775 0.434059006 0.787958423 -6.67619995 stable

CCDC152 -0.100530289 9.95595845 -0.790453222 0.434083552 0.787958423 -6.676233623 stable

SLC30A2 0.002603251 2.170905552 0.790432141 0.434095712 0.787958423 -6.676250303 stable

TRIM65 0.031968864 8.560361822 0.790208135 0.434224943 0.788132178 -6.676427526 stable

CCDC30 /// PPCS -0.044844845 3.124222682 -0.790012633 0.434337749 0.788255375 -6.676582157 stable

CADPS2 -0.0020461 2.284536937 -0.789974341 0.434359845 0.788255375 -6.676612439 stable

SRSF3 -0.042918669 12.46193899 -0.78991525 0.434393946 0.788256442 -6.676659168 stable

SENP3 /// SENP3-EIF4A1 -0.036421777 9.016080937 -0.789702983 0.434516453 0.788410058 -6.676826997 stable

PLAC9 0.003650185 2.490642934 0.789652419 0.43454564 0.788410058 -6.67686697 stable

CLEC4F 0.137231726 2.660513126 0.789414153 0.434683183 0.788598778 -6.677055292 stable

NNT-AS1 0.07818801 7.329315322 0.78926637 0.434768507 0.788678956 -6.67717207 stable

TMEM87B -0.046604472 9.398690473 -0.789221457 0.43479444 0.788678956 -6.677207557 stable

TBR1 0.00127173 2.140565954 0.789114949 0.434855942 0.788729689 -6.677291701 stable

PAK3 0.008271606 2.198530775 0.788630485 0.435135755 0.789134547 -6.677674305 stable

CFH 0.054297417 2.625720052 0.788547847 0.435183496 0.789134547 -6.677739546 stable

IL21R-AS1 0.005153598 2.55216011 0.788510365 0.43520515 0.789134547 -6.677769134 stable

IL4I1 /// NUP62 -0.01079796 3.997083871 -0.788451062 0.435239413 0.789134547 -6.677815947 stable

C1QTNF9 /// C1QTNF9B 0.003436682 2.605097446 0.78841812 0.435258446 0.789134547 -6.677841948 stable

ANXA2 0.005632316 2.961121142 0.788380026 0.435280456 0.789134547 -6.677872015 stable

NAV1 -0.04336284 2.893725715 -0.787866717 0.435577107 0.789560961 -6.678277027 stable

SPARCL1 0.001530313 2.476318477 0.787856868 0.4355828 0.789560961 -6.678284795 stable

DNAH17-AS1 0.001925723 2.425801001 0.787772851 0.435631367 0.789564585 -6.678351061 stable

LOC641515 0.006094007 3.189553868 0.78773727 0.435651936 0.789564585 -6.678379123 stable

RP11-65D24.2 0.003146502 2.700993594 0.787524386 0.435775013 0.789726796 -6.678546991 stable

SART3 -0.001777282 2.318736256 -0.787399859 0.435847018 0.7897421 -6.678645166 stable

ATP7B -0.024869065 2.561217176 -0.78734354 0.435879585 0.7897421 -6.678689561 stable

AKR1C1 /// AKR1C2 /// LOC101930400 0.002741501 2.924275927 0.78724887 0.435934333 0.7897421 -6.678764182 stable

EPHA1 -0.079065774 7.676731738 -0.78722004 0.435951005 0.7897421 -6.678786904 stable

GJB1 -0.026648428 2.457383506 -0.787219464 0.435951338 0.7897421 -6.678787358 stable

GNAT3 0.002493136 2.43389416 0.787010278 0.436072328 0.789840007 -6.678952206 stable

AP1G2 /// JPH4 -0.02709025 3.907838109 -0.787009903 0.436072545 0.789840007 -6.678952501 stable

TAF9B 0.075854956 6.279448324 0.786924395 0.436122007 0.78986877 -6.679019873 stable

LOC727820 0.101351586 12.07477054 0.786856675 0.436161182 0.789878901 -6.679073225 stable

LLNLR-246C6.1 0.007125252 3.125318903 0.786684027 0.436261066 0.789998963 -6.679209222 stable

LOC200830 0.018151407 3.868803329 0.786526014 0.436352495 0.790031032 -6.679333664 stable

PARP11 -0.132408339 6.852231203 -0.786469638 0.436385118 0.790031032 -6.679378057 stable

CHCHD6 0.042457823 4.744691703 0.786325645 0.436468448 0.790031032 -6.67949143 stable

NRXN1 0.010427774 3.363574243 0.786302679 0.43648174 0.790031032 -6.67950951 stable

LOC400568 -0.003357833 2.392586013 -0.786298672 0.436484059 0.790031032 -6.679512665 stable

KRTAP2-1 /// KRTAP2-2 0.001241521 2.130459815 0.786195347 0.436543861 0.790031032 -6.679594003 stable

PLAU -0.002149196 2.375891022 -0.786176963 0.436554502 0.790031032 -6.679608473 stable

CXorf24 -0.064856781 4.74920281 -0.786097571 0.436600456 0.790031032 -6.679670962 stable

PDE6H 0.001875021 2.478452431 0.786090095 0.436604784 0.790031032 -6.679676846 stable

TMEM74 0.008248076 2.080533077 0.786073036 0.436614659 0.790031032 -6.679690272 stable

ATG101 0.071401666 9.139688018 0.785733819 0.436811045 0.790181764 -6.679957192 stable

PSG5 0.003301511 2.643656012 0.785709874 0.436824909 0.790181764 -6.679976029 stable

APRT -0.042005433 10.61459773 -0.785614273 0.436880267 0.790181764 -6.680051232 stable

ATP6V0E2-AS1 0.103698716 2.998039056 0.785586656 0.436896259 0.790181764 -6.680072955 stable

MMACHC -0.032240707 3.347159825 -0.785586012 0.436896632 0.790181764 -6.680073461 stable

CFDP1 /// LOC101928178 0.035302926 2.843021198 0.785528309 0.436930048 0.790181764 -6.680118847 stable

BPIFB2 0.020717366 3.06358071 0.785522997 0.436933124 0.790181764 -6.680123025 stable

LINC00327 0.012681522 3.549479998 0.785392306 0.437008813 0.790257883 -6.680225805 stable

MRPL23 0.00226571 2.345904986 0.785093473 0.43718191 0.790510124 -6.680460756 stable

OR7E2P 0.003469776 2.772264635 0.784937778 0.437272111 0.790612037 -6.680583133 stable

DUSP23 0.07025553 8.843627604 0.784860908 0.437316649 0.790612037 -6.680643545 stable

WNT5A 0.002386762 2.622522281 0.784822144 0.43733911 0.790612037 -6.680674007 stable

IGHV3-73 /// IGHV3-73 -0.098830688 3.13922333 -0.784672844 0.437425625 0.790707665 -6.68079132 stable

CABP1 0.001329329 2.412139708 0.784583101 0.437477633 0.790734847 -6.680861824 stable

CEACAMP3 /// CEACAMP3 -0.004062328 2.447141078 -0.784530879 0.437507899 0.790734847 -6.680902849 stable

LOC101929719 0.00209918 2.205406227 0.784232314 0.437680959 0.790986848 -6.681137339 stable

IBTK -0.051002119 10.02997019 -0.784170803 0.437716618 0.790990517 -6.681185639 stable

HOXD9 0.025295817 3.179818479 0.784019892 0.437804111 0.791087847 -6.681304122 stable

GBE1 0.064881525 9.698177519 0.783793577 0.437935341 0.791264185 -6.681481763 stable

KRT15 -0.00903484 3.846079348 -0.783490041 0.438111385 0.791460969 -6.681719941 stable

GFAP -0.001461532 2.268682271 -0.783489753 0.438111552 0.791460969 -6.681720167 stable

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CYP4F2 /// CYP4F3 0.023501431 4.091169699 0.783207183 0.438275474 0.791569297 -6.681941812 stable

S100A3 0.002624131 2.770428073 0.783166311 0.438299188 0.791569297 -6.681973865 stable

LYZL6 0.004261828 2.845558416 0.783154343 0.438306132 0.791569297 -6.681983251 stable

ABHD8 -0.049783327 7.549994736 -0.783062695 0.438359308 0.791604551 -6.682055117 stable

C11orf58 0.016622521 3.660143182 0.782993669 0.438399361 0.791616104 -6.68210924 stable

SLC51A -0.001817952 2.561426468 -0.782871254 0.438470398 0.791676941 -6.682205211 stable

SHPK /// TRPV1 -0.052268907 2.873418198 -0.782678534 0.438582248 0.791676941 -6.682356272 stable

PDZD2 -0.038563111 3.291329318 -0.782626589 0.438612399 0.791676941 -6.682396982 stable

CDKN3 -0.149336957 4.29282004 -0.782528362 0.438669416 0.791676941 -6.682473957 stable

GAS2 -0.028372372 3.038801858 -0.782518144 0.438675348 0.791676941 -6.682481964 stable

AF086154 /// RP11-432J24.5 0.001333254 2.213270253 0.782477783 0.438698777 0.791676941 -6.682513589 stable

DOK3 -0.099391323 7.714508399 -0.782466346 0.438705416 0.791676941 -6.68252255 stable

IRF3 -0.039529246 10.73362723 -0.782294118 0.438805405 0.791676941 -6.682657483 stable

MYO9B -0.08059407 8.293684332 -0.782251036 0.438830418 0.791676941 -6.682691232 stable

MESDC2 0.01522772 4.052758296 0.782250618 0.438830661 0.791676941 -6.682691559 stable

RP11-245P10.8 0.001398609 2.173796011 0.782190936 0.438865314 0.791676941 -6.682738307 stable

BANP 0.039921719 10.11982505 0.782180531 0.438871356 0.791676941 -6.682746458 stable

TMEM216 0.083901345 8.393109027 0.782161946 0.438882147 0.791676941 -6.682761014 stable

LAMB4 0.005661434 3.111771564 0.782074623 0.438932854 0.791676941 -6.682829406 stable

DNLZ -0.104894439 8.376517266 -0.782064458 0.438938756 0.791676941 -6.682837366 stable

SNORD114-3 0.008806931 3.268809036 0.782007925 0.438971586 0.791676941 -6.682881638 stable

ZNF587B -0.084371931 8.443078592 -0.781942305 0.439009694 0.791684966 -6.682933022 stable

A4GNT -0.002547537 2.598070829 -0.781644446 0.439182698 0.791913068 -6.683166211 stable

TMEM204 0.136614281 10.50278779 0.781608603 0.439203519 0.791913068 -6.683194266 stable

ZNF519 0.034643043 3.131965888 0.781490596 0.439272074 0.791913754 -6.683286624 stable

SLC29A2 -0.023045318 2.927372294 -0.781484204 0.439275787 0.791913754 -6.683291626 stable

KCNN1 -0.006623726 2.392441902 -0.781384829 0.439333523 0.791913754 -6.683369391 stable

GATA4 0.001169273 2.088293049 0.781278051 0.439395565 0.791913754 -6.683452938 stable

CC2D2A 0.002462858 2.635550674 0.781273869 0.439397995 0.791913754 -6.683456209 stable

KRTAP19-1 0.003309653 2.805836602 0.781260248 0.43940591 0.791913754 -6.683466866 stable

GPR61 0.001037337 1.927671696 0.781153482 0.439467951 0.791964884 -6.683550391 stable

PTPRG-AS1 0.003263306 2.828637972 0.780988944 0.439563573 0.79207652 -6.68367909 stable

FAM9C 0.00940704 3.490557405 0.780887135 0.439622747 0.792077269 -6.68375871 stable

C4orf36 0.004629222 2.937842495 0.780825735 0.439658435 0.792077269 -6.683806723 stable

KRTAP4-9 0.001174934 2.158245458 0.780814415 0.439665015 0.792077269 -6.683815574 stable

AKR1D1 0.00424872 2.887168571 0.780743141 0.439706446 0.79209124 -6.683871303 stable

CYP4A11 /// CYP4A22 0.001667929 2.383966018 0.780610251 0.4397837 0.79211659 -6.683975197 stable

LOC101927499 0.001424092 2.442242917 0.780603074 0.439787873 0.79211659 -6.683980807 stable

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CCDC110 0.003139965 2.767371954 0.780381136 0.439916912 0.792227677 -6.684154278 stable

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SUMO1 0.025831313 11.68338953 0.779978162 0.440151268 0.792306844 -6.684469129 stable

PCDHB17 -0.008826754 3.319163344 -0.779961493 0.440160963 0.792306844 -6.68448215 stable

ADAMDEC1 -0.046615341 2.624003573 -0.779930747 0.440178847 0.792306844 -6.684506165 stable

BCL2L15 -0.028155411 2.644647203 -0.779862299 0.440218663 0.792306844 -6.684559626 stable

SLPI -0.215592775 3.78201518 -0.77984403 0.440229291 0.792306844 -6.684573894 stable

MT1HL1 -0.057289427 10.25684459 -0.779755848 0.44028059 0.792306844 -6.68464276 stable

C1orf122 -0.066936088 7.961835237 -0.779753814 0.440281773 0.792306844 -6.684644348 stable

DKFZP434K028 0.007971023 2.815559476 0.77961892 0.440360253 0.792306844 -6.684749679 stable

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LOC101928409 0.001362113 2.203558365 0.779535175 0.440408979 0.792306844 -6.684815061 stable

CTGF 0.002261497 2.513488873 0.779427894 0.440471405 0.792306844 -6.684898809 stable

ANKUB1 0.029851376 4.217332432 0.779345627 0.440519278 0.792306844 -6.684963022 stable

PRLR 0.004073274 2.810721703 0.77932766 0.440529734 0.792306844 -6.684977046 stable

LOC101928739 0.006223369 3.175688251 0.779258424 0.440570027 0.792306844 -6.685031082 stable

SLC9A8 -0.06521753 7.633862525 -0.779201266 0.440603293 0.792306844 -6.685075687 stable

CPSF1 /// MIR1234 /// MIR6849 /// MIR939 -0.065335872 10.85048556 -0.779167131 0.440623161 0.792306844 -6.685102325 stable

ATP5S -0.05565236 7.56869703 -0.779161133 0.440626651 0.792306844 -6.685107005 stable

CLCA3P 0.00855738 3.323134981 0.779128327 0.440645746 0.792306844 -6.685132604 stable

GABPB2 0.053819708 9.990801213 0.779115788 0.440653044 0.792306844 -6.685142388 stable

BDNF-AS 0.013381048 3.495712828 0.779089647 0.44066826 0.792306844 -6.685162785 stable

NASP -0.048565619 8.00269835 -0.779011121 0.440713968 0.792328461 -6.685224053 stable

HIST1H1B 0.003372356 2.93624385 0.778931183 0.440760502 0.792350102 -6.685286416 stable

LOC285178 -0.075824764 5.24273719 -0.778874706 0.44079338 0.792350102 -6.685330473 stable

GALNT8 /// KCNA6 0.053710692 3.292961572 0.778692005 0.440899749 0.792427941 -6.685472973 stable

ACTR3C -0.0102701 2.558580497 -0.778659627 0.440918601 0.792427941 -6.685498223 stable

MDC1 0.098946436 7.644158625 0.778598993 0.440953907 0.792427941 -6.685545506 stable

HOXA3 0.021238652 3.540071549 0.778566488 0.440972835 0.792427941 -6.685570853 stable

PRAMEF10 0.009843939 2.325082471 0.778511021 0.441005134 0.792427941 -6.685614101 stable

TCFL5 0.055888158 8.379851633 0.778395307 0.441072521 0.792461056 -6.685704317 stable

CTSS -0.096651745 11.43998285 -0.778340864 0.441104228 0.792461056 -6.685746758 stable

LOC101929497 0.0059367 3.201721226 0.778236346 0.441165102 0.792461056 -6.685828229 stable

CHST9 0.002500116 2.817073893 0.778168425 0.441204665 0.792461056 -6.685881166 stable

ZNF672 0.049642282 9.144032216 0.778123886 0.441230608 0.792461056 -6.685915877 stable

SETDB1 -0.037932858 9.10221412 -0.778044732 0.441276717 0.792461056 -6.685977561 stable

HSF5 0.137820555 4.341338004 0.777946326 0.441334046 0.792461056 -6.686054239 stable

CPAMD8 -0.124749359 5.967463382 -0.777933897 0.441341287 0.792461056 -6.686063923 stable

BRINP1 0.004013618 2.881412018 0.777905077 0.441358077 0.792461056 -6.686086377 stable

AF131215.3 /// C8orf15 -0.03007062 3.722256353 -0.777877971 0.441373869 0.792461056 -6.686107495 stable

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C20orf144 0.001855293 2.43718562 0.777709251 0.441472175 0.792501445 -6.686238929 stable

EPN2-AS1 -0.013255751 3.459698239 -0.777672292 0.441493711 0.792501445 -6.686267716 stable

LOC57399 0.010304597 3.478686427 0.777631044 0.441517747 0.792501445 -6.686299843 stable

TMEM174 0.003338858 2.430667803 0.777453224 0.441621376 0.792626966 -6.686438322 stable

TFPT 0.051685836 8.367076048 0.777296021 0.441713002 0.792730926 -6.686560719 stable

RP11-250B2.6 0.021539823 3.40978293 0.776800217 0.442002055 0.792905045 -6.686946593 stable

LINC01252 0.012569296 2.554725302 0.776733378 0.442041031 0.792905045 -6.686998594 stable

INE1 0.011143759 3.13925888 0.776677878 0.442073396 0.792905045 -6.68704177 stable

CSPG4 0.004769774 3.244320325 0.776666238 0.442080184 0.792905045 -6.687050825 stable

SYTL5 0.002239491 2.520337619 0.776659584 0.442084064 0.792905045 -6.687056001 stable

FAM196A 0.017844621 3.596400128 0.776646936 0.44209144 0.792905045 -6.68706584 stable

PLAG1 -0.083524896 6.601149642 -0.776635592 0.442098056 0.792905045 -6.687074664 stable

KDSR 0.096528863 6.283800437 0.776576684 0.442132411 0.792905045 -6.687120486 stable

LOC101929570 0.003227773 2.697260326 0.776554062 0.442145605 0.792905045 -6.687138082 stable

LAMA3 0.002038137 2.69605897 0.776517744 0.442166787 0.792905045 -6.687166329 stable

PIGZ -0.06530539 4.092764065 -0.776488075 0.442184091 0.792905045 -6.687189405 stable

ITPR1-AS1 0.032063289 3.146227988 0.776435858 0.442214548 0.792905045 -6.687230014 stable

LOC100996624 0.002354117 2.410763909 0.776337019 0.4422722 0.79294797 -6.687306875 stable

NUP210 0.037673285 9.908190254 0.776255855 0.442319547 0.792972414 -6.687369984 stable

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KCNAB1 0.004347911 2.676760324 0.776057355 0.442435353 0.793049585 -6.6875243 stable

MGP -0.031141247 2.827650545 -0.776008697 0.442463743 0.793049585 -6.687562122 stable

GNA14-AS1 0.002516332 2.661388133 0.775832208 0.442566727 0.793173727 -6.687699286 stable

LOC100506526 0.001989042 1.940059557 0.77571732 0.442633774 0.793233447 -6.687788559 stable

NUTM2A-AS1 0.115521064 6.565998285 0.77559708 0.44270395 0.793249677 -6.687881977 stable

INTS3 -0.046240488 9.876853434 -0.775574974 0.442716853 0.793249677 -6.687899151 stable

ELMO2 -0.001440768 2.299728571 -0.77547777 0.44277359 0.793249677 -6.687974659 stable

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FXYD1 0.036281609 2.661975457 0.775396935 0.442820776 0.793266373 -6.688037445 stable

AP5B1 -0.067493832 7.460869182 -0.775315093 0.442868553 0.793291542 -6.688101006 stable

LOC441081 -0.092725755 5.448543037 -0.775207993 0.44293108 0.793318802 -6.688184174 stable

ZNF485 0.048076441 4.769441557 0.775173485 0.442951228 0.793318802 -6.688210969 stable

STUB1 -0.027387355 9.45143354 -0.774962036 0.443074694 0.79346421 -6.688375129 stable

LINC00558 0.003378756 2.723979321 0.774918897 0.443099885 0.79346421 -6.688408614 stable

AC068831.3 -0.007523634 3.19886741 -0.774797145 0.443170988 0.793528035 -6.688503112 stable

DLG3-AS1 -0.006266893 2.728797219 -0.774534515 0.443324388 0.793528035 -6.688706905 stable

SEPT7P9 -0.026494969 3.66454675 -0.774528152 0.443328104 0.793528035 -6.688711841 stable

CRYGD -0.024602734 3.397057268 -0.774527779 0.443328323 0.793528035 -6.688712131 stable

MDK -0.023022366 6.474208311 -0.77451323 0.443336821 0.793528035 -6.688723419 stable

PTPLAD2 0.010681096 2.435449225 0.774511299 0.443337949 0.793528035 -6.688724917 stable

IFI27L2 -0.056560409 8.330097937 -0.774417695 0.443392631 0.793565521 -6.688797532 stable

ETHE1 0.056044359 9.549135563 0.774220393 0.443507904 0.793711437 -6.688950565 stable

RPE65 0.006522122 3.004815713 0.774141452 0.44355403 0.793733592 -6.689011783 stable

SOX10 -0.00226351 2.407946716 -0.77402164 0.443624043 0.793798487 -6.689104686 stable

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SCD -0.036086831 5.633656754 -0.773870214 0.443712539 0.793836056 -6.689222082 stable

SOX6 0.003398668 2.688941315 0.773585561 0.443878923 0.794050675 -6.689442703 stable

ATXN7L2 -0.024184319 2.691527266 -0.773549476 0.443900018 0.794050675 -6.689470665 stable

ERCC6L2 0.044615735 3.276545038 0.773322077 0.444032967 0.794135837 -6.689646848 stable

BANF1 0.042231359 11.53711705 0.773273921 0.444061125 0.794135837 -6.689684152 stable

ASB8 -0.044241086 8.270057807 -0.773190969 0.44410963 0.794135837 -6.689748404 stable

BPESC1 0.005068723 2.993624572 0.773145295 0.444136339 0.794135837 -6.689783779 stable

CEP55 -0.098432049 3.24653712 -0.773115979 0.444153483 0.794135837 -6.689806484 stable

MUS81 0.059262098 9.564465519 0.772941252 0.444255669 0.794135837 -6.689941788 stable

ZFP57 -0.089472002 2.749581888 -0.772912478 0.444272499 0.794135837 -6.689964067 stable

RAB40B 0.073484781 7.473671666 0.772816888 0.44432841 0.794135837 -6.690038074 stable

RAF1 -0.070398418 9.586633401 -0.772797366 0.44433983 0.794135837 -6.690053188 stable

FRMD7 0.002650557 3.110314461 0.772795214 0.444341088 0.794135837 -6.690054854 stable

C22orf29 /// GNB1L 0.030825445 6.839836975 0.772763458 0.444359664 0.794135837 -6.690079438 stable

XKR6 0.002553495 2.253035851 0.772725943 0.444381609 0.794135837 -6.690108478 stable

HIBADH 0.035344597 8.779059781 0.772625907 0.44444013 0.794135837 -6.690185909 stable

DUOXA2 -0.020447098 2.983109593 -0.772537206 0.444492023 0.794135837 -6.690254558 stable

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FLG2 0.006760364 3.151840387 0.772524662 0.444499363 0.794135837 -6.690264266 stable

THAP4 -0.037930167 9.141227504 -0.772486664 0.444521595 0.794135837 -6.690293672 stable

GS1-279B7.1 0.002683008 2.340275509 0.772359289 0.444596123 0.794168122 -6.690392233 stable

OCLN -0.068342058 3.25898289 -0.772340368 0.444607195 0.794168122 -6.690406873 stable

TPD52L2 -0.058724823 10.37194708 -0.772133356 0.444728338 0.794323328 -6.690567019 stable

CD109 0.046558327 4.494097045 0.772029983 0.444788839 0.794323328 -6.690646973 stable

LOC100507656 -0.012991737 3.883988926 -0.771966079 0.444826242 0.794323328 -6.690696395 stable

TBC1D4 -0.099575327 10.32485305 -0.771961079 0.444829169 0.794323328 -6.690700262 stable

CNST -0.08334569 8.675776366 -0.771803174 0.4449216 0.794428069 -6.690822364 stable

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SCN11A -0.003785902 2.557790891 -0.771458968 0.445123124 0.794628084 -6.691088443 stable

KAL1 -0.00422047 2.357346316 -0.771391383 0.445162699 0.794628084 -6.691140673 stable

LOC100507431 0.010976722 3.323157191 0.771310447 0.445210096 0.794628084 -6.691203216 stable

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C1orf101 -0.003889576 2.796628937 -0.770826261 0.445493699 0.794730445 -6.691577237 stable

GFPT1 0.051841766 7.703881208 0.770740611 0.445543878 0.794730445 -6.691643376 stable

LOC643659 0.002883922 2.727544333 0.770706262 0.445564003 0.794730445 -6.691669898 stable

NT5DC2 0.027725806 4.280330917 0.770682694 0.445577811 0.794730445 -6.691688095 stable

C15orf39 0.090311185 10.22867072 0.770664106 0.445588702 0.794730445 -6.691702447 stable

SLC12A1 0.049804366 7.020327925 0.770648632 0.445597768 0.794730445 -6.691714394 stable

C1orf111 0.001200484 2.171511039 0.770392458 0.445747882 0.794894145 -6.691912146 stable

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HSF4 -0.041544371 6.485675579 -0.770318989 0.445790939 0.794894145 -6.691968847 stable

BMPER 0.003626615 2.690520708 0.770252116 0.445830132 0.79490377 -6.692020454 stable

TCR- alpha V 33.1 /// TRAV40 /// TRAV40 -0.016563165 3.503629766 -0.770185496 0.445869179 0.794913133 -6.692071861 stable

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RSPH1 0.054308038 3.139359779 0.77002606 0.445962636 0.794959239 -6.692194872 stable

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SLC31A1 0.115080799 7.572724583 0.769815733 0.446085941 0.79505853 -6.692357109 stable

TRPC4 0.002921681 2.581730572 0.769611678 0.446205589 0.79517624 -6.692514469 stable

ESPN -0.029089371 6.082777812 -0.769568939 0.446230651 0.79517624 -6.692547422 stable

HYI-AS1 /// HYI-AS1 0.008082591 3.213287259 0.769502556 0.44626958 0.79517624 -6.692598602 stable

KRTAP3-1 -0.022888353 2.290832161 -0.769426419 0.446314232 0.79517624 -6.692657297 stable

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NDUFA8 0.06787286 8.776458826 0.76922463 0.446432586 0.795254533 -6.692812832 stable

TTBK2 0.031300081 3.109199408 0.769053354 0.446533059 0.795308523 -6.692944818 stable

ATG9B -0.006819288 2.651420844 -0.768990304 0.446570048 0.795308523 -6.692993397 stable

ZBTB8B 0.0019012 2.479299333 0.768966609 0.446583949 0.795308523 -6.693011652 stable

ROMO1 0.047666561 9.027269227 0.768931486 0.446604556 0.795308523 -6.693038711 stable

CDCP1 -0.007414246 2.508676156 -0.768884782 0.446631958 0.795308523 -6.693074691 stable

PSMC3IP 0.045637754 4.669284528 0.768757212 0.44670681 0.795341213 -6.693172957 stable

SLC6A1 0.003235071 2.76277793 0.768738238 0.446717944 0.795341213 -6.693187571 stable

TBX20 0.002500126 2.686093649 0.768299222 0.4469756 0.79572526 -6.693525612 stable

RP11-118G23.2 0.001255103 2.297477569 0.768245225 0.447007297 0.79572526 -6.693567177 stable

MGRN1 -0.031368128 9.858349898 -0.76810067 0.447092158 0.79572526 -6.693678435 stable

MCM8 0.083156704 8.407233811 0.768090617 0.44709806 0.79572526 -6.693686171 stable

CITED1 -0.005388588 2.213772804 -0.768082538 0.447102803 0.79572526 -6.693692389 stable

RPL30 0.010284257 15.62613019 0.768017786 0.447140819 0.795732709 -6.693742218 stable

RP11-515O17.3 -0.010462835 2.48826548 -0.767731666 0.447308825 0.795969681 -6.693962351 stable

DNAH8 -0.023821119 2.467694418 -0.767622505 0.447372933 0.795969681 -6.694046315 stable

CAV3 -0.013965465 2.192690485 -0.767527989 0.447428445 0.795969681 -6.694119006 stable

DCHS2 -0.012486686 2.532884575 -0.767422435 0.447490444 0.795969681 -6.694200174 stable

DMRTB1 0.009612763 2.726851618 0.767410149 0.447497661 0.795969681 -6.694209622 stable

LYPD3 -0.004429659 2.127125284 -0.767279297 0.447574527 0.795969681 -6.694310228 stable

PHYH -0.061800151 8.379884644 -0.767273452 0.44757796 0.795969681 -6.694314721 stable

NKD1 -0.002527102 2.830486818 -0.767233202 0.447601606 0.795969681 -6.694345665 stable

LPPR5 0.002183107 2.492985176 0.767226696 0.447605428 0.795969681 -6.694350666 stable

RXFP3 0.001249579 2.144218092 0.767077004 0.447693375 0.795969681 -6.694465729 stable

LOC101927051 -0.002635491 2.84117232 -0.766927619 0.447781151 0.795969681 -6.694580535 stable

UBE4B 0.051084042 8.974063073 0.766880984 0.447808555 0.795969681 -6.694616371 stable

TCEAL3 -0.054199374 8.075357965 -0.766872863 0.447813328 0.795969681 -6.694622611 stable

TMEM108-AS1 0.001817121 2.380619348 0.766828987 0.447839112 0.795969681 -6.694656325 stable

DYDC1 0.008032589 3.221250685 0.766827584 0.447839936 0.795969681 -6.694657403 stable

XAGE2 -0.007101629 2.296388845 -0.766790673 0.447861627 0.795969681 -6.694685762 stable

KLHL24 -0.07316293 8.394075806 -0.766772563 0.44787227 0.795969681 -6.694699676 stable

LIMD1 0.080477485 8.245601585 0.766684012 0.447924313 0.795969681 -6.694767706 stable

RUNX1T1 0.003544992 2.578654796 0.766634555 0.447953381 0.795969681 -6.694805699 stable

DPEP1 -0.004888376 2.150747951 -0.766545361 0.448005806 0.795969681 -6.694874211 stable

ITIH1 0.003188835 2.530890147 0.766529881 0.448014906 0.795969681 -6.694886101 stable

ZNF430 -0.053472365 9.999163222 -0.76650793 0.448027808 0.795969681 -6.69490296 stable

RP11-108P20.4 -0.005192892 3.06184891 -0.766466234 0.448052318 0.795969681 -6.694934984 stable

ORM1 /// ORM2 -0.216019368 3.536852109 -0.766376974 0.448104789 0.796002776 -6.695003531 stable

CST9L 0.001179465 2.167534816 0.766196153 0.448211096 0.79606638 -6.695142371 stable

UBE2U 0.005964368 3.016400732 0.766187937 0.448215927 0.79606638 -6.695148679 stable

CAGE1 0.018442165 3.798958409 0.766134739 0.448247206 0.79606638 -6.695189519 stable

SHISA2 0.005396816 2.635373917 0.766008976 0.448321155 0.79606638 -6.695286057 stable

NME7 0.073875587 6.760054263 0.765912109 0.448378119 0.79606638 -6.695360404 stable

RP2 -0.029894294 2.326093312 -0.765869094 0.448403416 0.79606638 -6.695393415 stable

TRIM73 /// TRIM74 -0.10509923 3.72575373 -0.76584166 0.448419549 0.79606638 -6.695414468 stable

C11orf21 0.064452695 7.944046884 0.765836754 0.448422435 0.79606638 -6.695418233 stable

CAMK2G -0.043823203 8.347276749 -0.765737254 0.448480954 0.79606638 -6.695494583 stable

CYP39A1 -0.007069604 2.129254503 -0.765727554 0.44848666 0.79606638 -6.695502026 stable

NECAP1 0.03127866 10.00624157 0.765682959 0.448512889 0.79606638 -6.695536242 stable

LINC00244 -0.013544846 2.496879508 -0.765529508 0.448603152 0.79612221 -6.695653965 stable

EGLN3 -0.08045812 3.815506802 -0.765375607 0.448693691 0.79612221 -6.695772009 stable

PLCZ1 0.003053514 2.835979317 0.765365335 0.448699734 0.79612221 -6.695779888 stable

POU6F2-AS2 0.004371427 2.888289252 0.765318545 0.448727263 0.79612221 -6.695815771 stable

PTHLH 0.002641839 2.771207392 0.76528894 0.448744681 0.79612221 -6.695838474 stable

LOC643085 0.006065218 3.073893721 0.765284271 0.448747428 0.79612221 -6.695842055 stable

ZNF254 -0.105890162 6.15761202 -0.765091143 0.448861067 0.796206646 -6.695990138 stable

CST8 -0.001804204 2.213276794 -0.765088327 0.448862724 0.796206646 -6.695992296 stable

C3orf18 -0.05322166 7.22501692 -0.764983635 0.448924333 0.796241748 -6.696072555 stable

TET3 0.017408679 2.937404769 0.764790298 0.449038121 0.796241748 -6.696220741 stable

KRT222 0.004198488 3.047933332 0.764664257 0.449112311 0.796241748 -6.696317328 stable

IMPAD1 0.06828183 8.215999363 0.764649641 0.449120915 0.796241748 -6.696328528 stable

S100A7 0.003534387 2.933106365 0.764610503 0.449143954 0.796241748 -6.696358516 stable

LRRC3 /// LRRC3DN -0.038449638 2.869317051 -0.764532107 0.449190105 0.796241748 -6.69641858 stable

RP11-728F11.4 -0.066021295 2.46959428 -0.764522846 0.449195557 0.796241748 -6.696425675 stable

TTTY11 0.001957872 2.635026418 0.764454221 0.449235959 0.796241748 -6.696478247 stable

NAA50 0.044139881 11.88583382 0.764437697 0.449245687 0.796241748 -6.696490905 stable

PARK7 -0.024051151 13.33274918 -0.764307649 0.449322257 0.796241748 -6.696590518 stable

ATP6V1A 0.102462486 10.42351501 0.764283199 0.449336654 0.796241748 -6.696609244 stable

ESR1 0.040041847 2.285737392 0.764262309 0.449348954 0.796241748 -6.696625243 stable

SLC39A13 -0.045647265 8.172129847 -0.764199754 0.449385789 0.796241748 -6.696673149 stable

LINC00905 0.001847646 1.980359184 0.764179458 0.449397741 0.796241748 -6.696688692 stable

LOC100507560 0.001166762 2.18778213 0.76415553 0.449411832 0.796241748 -6.696707015 stable

SYT4 0.018949627 3.080941883 0.764134611 0.449424151 0.796241748 -6.696723034 stable

PP12719 0.040494671 2.969118177 0.763874918 0.449577097 0.796333569 -6.696921858 stable

ARFGAP2 -0.040227169 10.26935408 -0.763845683 0.449594317 0.796333569 -6.696944236 stable

DGKI 0.003025223 2.602217851 0.763838209 0.449598719 0.796333569 -6.696949957 stable

ARPP21 0.007444271 3.360892888 0.763784021 0.449630637 0.796333569 -6.696991433 stable

IL1RL2 -0.001770247 2.332647971 -0.7637592 0.449645259 0.796333569 -6.697010431 stable

PDE6B -0.01329022 1.958509232 -0.763690952 0.449685462 0.796344809 -6.697062664 stable

KLHL32 0.012879409 3.545358524 0.763535671 0.449776942 0.796446846 -6.69718149 stable

SLC35E1 -0.085033042 10.48387227 -0.7634646 0.449818816 0.796461033 -6.697235867 stable

SEMA4D 0.044226784 12.42188732 0.763311842 0.449908825 0.79646753 -6.697352728 stable

VCAM1 -0.004794539 3.12410167 -0.763185098 0.449983514 0.79646753 -6.697449672 stable

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N6AMT2 -0.054968611 6.869798793 -0.762950741 0.450121638 0.79646753 -6.697628885 stable

LIFR 0.00478575 3.007454891 0.762908428 0.450146579 0.79646753 -6.697661236 stable

NLRC4 0.195386831 8.725709322 0.762844574 0.450184219 0.79646753 -6.697710053 stable

SERPINB13 0.005440502 3.020883355 0.762804103 0.450208076 0.79646753 -6.697740991 stable

TOR3A -0.080104155 9.507982836 -0.762760072 0.450234032 0.79646753 -6.69777465 stable

POLR2J4 0.046613374 5.526458673 0.762742842 0.45024419 0.79646753 -6.69778782 stable

FAM182A /// FAM182B 0.001890535 2.509072285 0.762654142 0.450296482 0.79646753 -6.697855617 stable

CXCL11 0.043106147 3.027364232 0.762619259 0.450317048 0.79646753 -6.697882278 stable

CCT7 -0.034169927 10.86570002 -0.76261059 0.450322159 0.79646753 -6.697888903 stable

CCDC24 -0.010513662 2.714128846 -0.762608198 0.450323569 0.79646753 -6.697890731 stable

CCL19 0.002407301 2.718648795 0.762397732 0.450447667 0.79646753 -6.698051559 stable

WISP1 0.001663967 2.479131189 0.762374167 0.450461563 0.79646753 -6.698069563 stable

MIR194-2 0.001798305 1.668457923 0.762371961 0.450462864 0.79646753 -6.698071249 stable

XAF1 -0.082550349 10.56157995 -0.762309305 0.450499812 0.79646753 -6.698119117 stable

TGFB2 -0.002187954 2.467519663 -0.762309208 0.450499869 0.79646753 -6.698119191 stable

TCRA /// TRAV30 /// TRAV30 -0.078648052 6.421884837 -0.762181927 0.450574933 0.79646753 -6.698216421 stable

CCNT2-AS1 0.029606511 3.995482927 0.762172108 0.450580724 0.79646753 -6.698223921 stable

URI1 0.008153971 3.168305182 0.762167568 0.450583402 0.79646753 -6.698227389 stable

MYO9A -0.079553784 8.52873715 -0.76214153 0.450598759 0.79646753 -6.698247278 stable

SPINK2 -0.123795055 4.497023581 -0.762134221 0.45060307 0.79646753 -6.69825286 stable

SPRR2C -0.009713952 3.150783018 -0.762077159 0.450636726 0.79646753 -6.698296442 stable

CTD-2350J17.1 0.005865599 2.897357571 0.762011994 0.450675163 0.79646753 -6.698346209 stable

PHIP 0.001738887 2.377088687 0.761947057 0.450713467 0.79646753 -6.698395797 stable

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CYSLTR1 0.049401332 4.553507031 0.761712908 0.4508516 0.796610613 -6.698574569 stable

LOC145837 0.005226112 3.18494341 0.761577918 0.450931247 0.796691494 -6.698677609 stable

CCR9 0.219286 3.920858742 0.761435487 0.451015293 0.796780134 -6.69878631 stable

CGB /// CGB1 /// CGB5 /// CGB7 /// CGB8 -0.008499137 3.569672707 -0.76133456 0.451074854 0.796825509 -6.698863324 stable

RAB1A 0.049047759 11.36688623 0.761171031 0.451171369 0.796852204 -6.698988085 stable

ARHGAP15 /// LOC101928361 -0.085073642 2.921328924 -0.761145845 0.451186235 0.796852204 -6.699007298 stable

RPL32 -0.010843945 15.40640491 -0.761136753 0.451191601 0.796852204 -6.699014234 stable

MYO5C 0.015276803 1.969181983 0.760952615 0.451300297 0.796949664 -6.699154682 stable

KCNJ6 -0.00487052 2.518192096 -0.760928472 0.45131455 0.796949664 -6.699173094 stable

RPS29P28 /// RPS29P28 0.013054134 3.431248793 0.760761784 0.45141296 0.797019586 -6.699300201 stable

RPS16 0.020477363 15.69399127 0.760746611 0.451421918 0.797019586 -6.699311769 stable

PCNAP3 /// PCNAP3 0.013845298 3.695827188 0.760433192 0.451606992 0.79725282 -6.699550685 stable

SUGT1P3 0.035107012 4.070332036 0.760408103 0.451621809 0.79725282 -6.699569806 stable

HOXD3 /// HOXD4 /// LOC401021 0.002789846 2.824277711 0.760316096 0.451676149 0.797288908 -6.699639922 stable

ZNF593 -0.092803222 7.887748136 -0.760218387 0.45173386 0.797330942 -6.699714373 stable

CD28 0.129176432 9.144539233 0.760112058 0.451796668 0.79733247 -6.699795383 stable

CBFA2T2 -0.075911011 7.518689419 -0.7600453 0.451836104 0.79733247 -6.699846239 stable

ADCY10 0.006082059 2.645680073 0.760044761 0.451836422 0.79733247 -6.699846649 stable

BC044614 0.021767213 3.754366778 0.759889994 0.451927856 0.797433992 -6.699964533 stable

LOC102659288 0.006555768 3.156575818 0.759751437 0.452009722 0.797478281 -6.70007005 stable

ZEB1-AS1 -0.105648493 4.078556256 -0.759618133 0.452088494 0.797478281 -6.700171549 stable

LOC101928274 /// VSIG10 0.002615629 2.634665085 0.759618126 0.452088498 0.797478281 -6.700171554 stable

MEIS2 0.004570508 2.655786474 0.759571317 0.45211616 0.797478281 -6.700207191 stable

FAM107B 0.058975234 12.67707605 0.759547254 0.45213038 0.797478281 -6.70022551 stable

LINC01448 0.002608778 2.53738537 0.759503249 0.452156386 0.797478281 -6.700259009 stable

HHEX -0.082819078 9.093338599 -0.759387076 0.452225047 0.797483163 -6.700347437 stable

ERICH1-AS1 0.022539333 2.511287248 0.759383832 0.452226964 0.797483163 -6.700349906 stable

RAB6A /// WTH3DI -0.032601196 6.665145734 -0.759098889 0.452395397 0.797517976 -6.700566742 stable

RP5-1092A3.4 -0.07982615 7.109040124 -0.7590929 0.452398938 0.797517976 -6.700571298 stable

PAM16 -0.047892147 7.442725295 -0.759080743 0.452406125 0.797517976 -6.700580548 stable

LOC283682 0.002806086 2.323212007 0.759049216 0.452424764 0.797517976 -6.700604534 stable

LOC100506235 -0.001546037 2.284582527 -0.758975834 0.452468148 0.797517976 -6.70066036 stable

ZNF827 0.109259695 6.303529466 0.758961009 0.452476913 0.797517976 -6.700671637 stable

ABCA8 0.003156541 2.618811217 0.758925137 0.452498123 0.797517976 -6.700698925 stable

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TPK1 0.076210016 9.402511117 0.758794564 0.452575328 0.797559324 -6.700798239 stable

GPR144 -0.049082037 4.815334096 -0.758721594 0.452618478 0.797575608 -6.700853733 stable

MIF -0.054108099 12.04232552 -0.758663282 0.452652961 0.797576273 -6.700898077 stable

STGC3 -0.005863901 3.119499981 -0.758525542 0.452734422 0.797576273 -6.701002807 stable

VPS25 0.055260035 9.432254589 0.758484392 0.45275876 0.797576273 -6.701034092 stable

IDO1 -0.117249036 4.137164943 -0.758360404 0.452832097 0.797576273 -6.701128346 stable

ZG16 0.005505751 3.053701682 0.758242102 0.452902077 0.797576273 -6.701218262 stable

IL5 -0.015722946 3.570731592 -0.758204521 0.452924309 0.797576273 -6.701246824 stable

TCHH 0.001777714 2.408147456 0.758194394 0.4529303 0.797576273 -6.70125452 stable

LOC728114 0.007847863 2.707012324 0.758185057 0.452935823 0.797576273 -6.701261616 stable

CENPU -0.134597885 6.985652593 -0.758168449 0.452945649 0.797576273 -6.701274237 stable

ZDHHC9 -0.079245528 4.908525612 -0.758147662 0.452957947 0.797576273 -6.701290033 stable

IZUMO2 0.002095411 2.357536343 0.757880429 0.45311606 0.79766275 -6.701493073 stable

LOC101927253 0.006119071 3.012761738 0.757867063 0.453123969 0.79766275 -6.701503226 stable

ZNF334 0.005442941 2.995922547 0.757846944 0.453135874 0.79766275 -6.701518509 stable

SPAG16 0.00448231 2.88193563 0.757835393 0.453142709 0.79766275 -6.701527284 stable

PKMYT1 -0.030465459 3.265617084 -0.757756947 0.453189131 0.797674959 -6.701586869 stable

STRADA -0.09181182 3.578891334 -0.757672503 0.453239105 0.797674959 -6.701651003 stable

DCUN1D4 0.041685626 8.426672775 0.757595482 0.453284689 0.797674959 -6.701709494 stable

HHIPL2 0.00954225 2.495199395 0.757594453 0.453285298 0.797674959 -6.701710276 stable

LOC389332 -0.009070211 3.86880913 -0.757468498 0.45335985 0.797746467 -6.701805915 stable

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LOC101927164 -0.007046157 2.685813297 -0.757274195 0.453474869 0.79781678 -6.701953422 stable

ADAM23 -0.002755731 2.790101489 -0.757218275 0.453507975 0.79781678 -6.701995868 stable

HOPX 0.002969931 2.232289747 0.757171808 0.453535486 0.79781678 -6.702031136 stable

CREBBP -0.035809887 10.93118363 -0.756948711 0.453667582 0.797953071 -6.702200435 stable

RAD9A 0.042087936 8.646737861 0.756871625 0.45371323 0.797953071 -6.702258921 stable

C17orf74 0.003380831 2.629394144 0.756869076 0.453714739 0.797953071 -6.702260854 stable

LRRIQ3 -0.01477107 2.978825347 -0.756783074 0.45376567 0.797982977 -6.702326098 stable

GGT1 /// GGT2 /// GGTLC1 /// GGTLC2 -0.1143062 6.274993295 -0.756600306 0.453873918 0.798113667 -6.702464727 stable

GIPC3 -0.024620206 3.474808577 -0.756419084 0.453981265 0.798140886 -6.702602152 stable

SYNJ2BP /// SYNJ2BP-COX16 -0.05752463 9.117652033 -0.756288114 0.454058854 0.798140886 -6.702701449 stable

TSPAN9 0.015992991 3.269993586 0.756250727 0.454081004 0.798140886 -6.702729791 stable

GADD45G -0.001201814 2.122693974 -0.75618301 0.454121126 0.798140886 -6.702781124 stable

IFNK 0.004060087 2.944903074 0.755927969 0.454272251 0.798140886 -6.702974414 stable

MOCS1 0.005765861 2.782662761 0.755926969 0.454272844 0.798140886 -6.702975171 stable

SHC1P1 /// SHC1P1 -0.002487609 2.589353421 -0.755925407 0.45427377 0.798140886 -6.702976355 stable

MPHOSPH10 -0.029662168 9.955613393 -0.755847017 0.454320226 0.798140886 -6.703035752 stable

PLRG1 0.02598414 10.31825982 0.755809381 0.454342532 0.798140886 -6.703064268 stable

CDK4 0.047901206 9.543844286 0.755752801 0.454376066 0.798140886 -6.703107134 stable

C4orf29 -0.093329413 8.111717805 -0.755670233 0.454425005 0.798140886 -6.703169683 stable

RP11-399O19.9 0.01390129 2.731549429 0.755667896 0.45442639 0.798140886 -6.703171453 stable

DNAJA3 -0.030917089 9.86683556 -0.755594789 0.454469724 0.798140886 -6.703226829 stable

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SPATA17 -0.002311892 2.405983282 -0.755527451 0.454509641 0.798140886 -6.70327783 stable

SPSB2 0.171515515 7.351995116 0.755486778 0.454533752 0.798140886 -6.703308634 stable

RP11-338I21.1 -0.002905785 2.721256851 -0.755407966 0.454580474 0.798140886 -6.703368317 stable

USP16 -0.027407899 10.79887301 -0.755404525 0.454582514 0.798140886 -6.703370923 stable

RNFT2 -0.001877241 2.386345137 -0.755391972 0.454589956 0.798140886 -6.703380428 stable

CDH3 0.001735432 2.307065533 0.75534687 0.454616696 0.798140886 -6.70341458 stable

SYNPR 0.001692622 2.527688666 0.755210555 0.454697518 0.798140886 -6.703517788 stable

FAM120C -0.045513968 5.224790131 -0.755150344 0.45473322 0.798140886 -6.703563369 stable

SMAD5-AS1 0.001184386 2.106132799 0.75513568 0.454741916 0.798140886 -6.70357447 stable

TRPA1 0.001558801 2.462307114 0.755109834 0.454757242 0.798140886 -6.703594035 stable

WDR70 -0.043324672 8.29885313 -0.755098534 0.454763942 0.798140886 -6.703602588 stable

SYN1 -0.015311365 2.461355868 -0.755013545 0.454814341 0.798140886 -6.703666916 stable

RBM15B -0.055036495 9.346984998 -0.754949409 0.454852377 0.798140886 -6.703715457 stable

AC106801.1 -0.012542715 2.110739802 -0.7549338 0.454861634 0.798140886 -6.70372727 stable

ECHS1 -0.039470622 11.00855596 -0.754662523 0.455022535 0.798140886 -6.703932533 stable

GLT8D2 0.001412452 2.396535441 0.754638732 0.455036648 0.798140886 -6.703950531 stable

MXRA5 0.004267011 2.915496807 0.754626414 0.455043955 0.798140886 -6.70395985 stable

COLCA1 0.001807615 2.561574986 0.75459373 0.455063344 0.798140886 -6.703984574 stable

DUSP26 -0.010124456 2.851183776 -0.754573213 0.455075515 0.798140886 -6.704000095 stable

AC009237.8 /// AK055967 0.028871615 3.1722241 0.754532779 0.455099502 0.798140886 -6.70403068 stable

TP73 0.006659617 2.386567722 0.754456438 0.455144792 0.798140886 -6.704088421 stable

MTG2 0.011158059 2.835344694 0.754448123 0.455149725 0.798140886 -6.704094709 stable

TRPC4AP -0.031181061 9.880188907 -0.75438107 0.455189508 0.798140886 -6.70414542 stable

MATN4 -0.017493888 4.235599142 -0.754337537 0.455215337 0.798140886 -6.704178341 stable

ANO2 -0.001417377 2.409782767 -0.754304702 0.455234819 0.798140886 -6.704203171 stable

UNC13C 0.007775856 3.229853456 0.75419141 0.455302044 0.798140886 -6.704288834 stable

RP4-613A2.1 0.008385886 3.201989364 0.754170067 0.455314709 0.798140886 -6.70430497 stable

MYL3 -0.022029361 2.278867113 -0.754154445 0.45532398 0.798140886 -6.704316781 stable

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SLC22A3 0.005739644 3.027112045 0.753769924 0.455552194 0.798214703 -6.704607418 stable

BAG4 0.078198359 7.653459954 0.753717541 0.455583289 0.798214703 -6.704647 stable

DNPEP -0.057049168 8.831412584 -0.753669719 0.455611677 0.798214703 -6.704683134 stable

FAM53B 0.003568573 2.968835351 0.753669539 0.455611784 0.798214703 -6.70468327 stable

COMMD9 -0.069610205 9.814252232 -0.75364245 0.455627865 0.798214703 -6.704703737 stable

GPR21 0.012700801 2.266780648 0.753631248 0.455634515 0.798214703 -6.7047122 stable

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TUSC3 0.004575681 2.717862361 0.753533595 0.455692489 0.798214703 -6.704785974 stable

GOLM1 -0.014420501 3.267845058 -0.75352758 0.45569606 0.798214703 -6.704790518 stable

MYEOV2 -0.009829072 3.016559479 -0.753360631 0.455795185 0.798328881 -6.704916621 stable

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TCTE3 0.022853522 3.679928362 0.753137861 0.455927471 0.798441668 -6.705084845 stable

KNDC1 -0.05391786 3.308640401 -0.753002183 0.456008052 0.798455541 -6.705187279 stable

SIX4 0.005364387 2.96935342 0.752961558 0.456032181 0.798455541 -6.705217946 stable

ANP32E -0.05889805 8.351742162 -0.752844174 0.456101904 0.798455541 -6.705306549 stable

R3HCC1 -0.045138682 7.830491768 -0.752841653 0.456103402 0.798455541 -6.705308452 stable

AACSP1 0.006568709 3.18875095 0.752814489 0.456119538 0.798455541 -6.705328954 stable

LOC100130700 -0.014504275 2.990683694 -0.752781605 0.456139072 0.798455541 -6.705353771 stable

LOC150051 -0.001683994 2.088667445 -0.75263019 0.456229023 0.798553569 -6.705468032 stable

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ASIC5 0.001730644 2.572587016 0.75236055 0.456389235 0.798715119 -6.705671453 stable

FFAR1 0.001140031 2.074887813 0.752212821 0.456477024 0.798744112 -6.705782871 stable

MAPRE1 -0.028132482 11.47730052 -0.752169955 0.4565025 0.798744112 -6.705815197 stable

GPR98 0.001325579 2.220164046 0.752103503 0.456541994 0.798744112 -6.705865306 stable

RIPK2 0.096647391 6.26937091 0.752052507 0.456572304 0.798744112 -6.705903758 stable

MTHFS /// ST20-MTHFS -0.007328145 3.58020575 -0.752046969 0.456575596 0.798744112 -6.705907933 stable

IHH 0.010424578 2.9933209 0.751972267 0.456619998 0.798745176 -6.705964255 stable

SGMS2 0.195559457 8.499325424 0.751931682 0.456644122 0.798745176 -6.705994851 stable

EMR2 0.150591614 9.990756176 0.751759685 0.456746368 0.79876106 -6.706124499 stable

LIPE-AS1 /// LOC101930071 -0.051401078 6.438404077 -0.751755772 0.456748694 0.79876106 -6.706127448 stable

KRTAP9-9 0.003299349 2.371063947 0.75171426 0.456773373 0.79876106 -6.706158735 stable

FSTL1 /// LOC101930453 -0.006150997 2.378723778 -0.751629343 0.45682386 0.79876106 -6.706222729 stable

ARPC4 /// ARPC4-TTLL3 0.065679763 11.6961613 0.751500825 0.456900275 0.79876106 -6.706319569 stable

LOC400548 -0.002373016 2.110365813 -0.751495959 0.456903168 0.79876106 -6.706323235 stable

TMEM43 0.043074266 10.33829 0.75145034 0.456930295 0.79876106 -6.706357606 stable

RP11-257I14.1 0.003043807 2.833366994 0.751403075 0.456958401 0.79876106 -6.706393214 stable

ATP11A-AS1 0.019089696 2.221502576 0.751345827 0.456992444 0.79876106 -6.70643634 stable

LOC100294362 0.008267313 3.384490082 0.751345234 0.456992797 0.79876106 -6.706436787 stable

UBE2K 0.032227588 9.942108873 0.751281028 0.457030981 0.798768442 -6.706485151 stable

PPIL3 -0.076808454 10.09355931 -0.750981842 0.457208932 0.798997261 -6.706710464 stable

LOC101929584 0.009735587 2.291525618 0.75079902 0.457317691 0.798997261 -6.706848101 stable

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LOC101927809 -0.007778436 2.829920913 -0.750647912 0.457407596 0.798997261 -6.706961839 stable

C4orf19 0.00187824 2.560462835 0.750601564 0.457435173 0.798997261 -6.70699672 stable

PPAP2C 0.002720401 2.046013401 0.750586125 0.45744436 0.798997261 -6.707008339 stable

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LOC100147773 0.042976126 2.95681938 0.750548254 0.457466894 0.798997261 -6.707036839 stable

NDUFC2 /// NDUFC2-KCTD14 0.043179803 12.0668796 0.750473756 0.457511226 0.798997261 -6.707092897 stable

ETV7 -0.102744899 3.653603807 -0.750450275 0.457525198 0.798997261 -6.707110565 stable

RABEPK 0.006840666 2.835859802 0.750396359 0.457557285 0.798997261 -6.707151132 stable

BC065766 /// MALSU1 0.09043681 5.950500331 0.750375769 0.457569538 0.798997261 -6.707166623 stable

PIWIL1 0.012189464 3.531115399 0.750198932 0.457674785 0.799069145 -6.70729965 stable

FOXF1 0.002468293 2.634897287 0.75012945 0.457716142 0.799069145 -6.707351911 stable

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TRIM2 -0.046845973 4.502707489 -0.750061739 0.457756447 0.799069145 -6.707402835 stable

TSPEAR 0.002224201 2.472426294 0.750021219 0.457780567 0.799069145 -6.707433307 stable

LOC101928778 -0.001298907 2.18271141 -0.749695579 0.45797444 0.799337834 -6.707678139 stable

VPS11 -0.039384038 8.834712343 -0.749648513 0.458002465 0.799337834 -6.707713517 stable

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HOXA10 0.019859693 2.65333297 0.749302651 0.458208437 0.799578652 -6.707973424 stable

C16orf92 -0.016171731 3.013701741 -0.749068664 0.458347814 0.799762533 -6.708149193 stable

PIK3C2G 0.003061404 2.531260981 0.748971914 0.458405452 0.799803771 -6.708221855 stable

LOC340074 0.001667661 2.343063785 0.748688655 0.458574224 0.799827889 -6.708434539 stable

STARD13 -0.006907395 2.310705742 -0.748608448 0.458622019 0.799827889 -6.708494748 stable

PANX2 0.010431428 2.75151864 0.748581893 0.458637844 0.799827889 -6.70851468 stable

LOC100996251 -0.021410573 3.544695391 -0.748557156 0.458652586 0.799827889 -6.708533248 stable

PHOSPHO2 0.067913381 6.730544802 0.748498614 0.458687475 0.799827889 -6.708577187 stable

DAPK1 0.137662613 10.36123854 0.748436365 0.458724574 0.799827889 -6.708623904 stable

GIPC1 -0.036164159 8.293770678 -0.748389672 0.458752404 0.799827889 -6.708658945 stable

LOC102723661 0.003376809 2.440681045 0.748363402 0.458768062 0.799827889 -6.708678658 stable

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LOC340017 0.004378966 2.892892825 0.748078276 0.458938024 0.799827889 -6.708892574 stable

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CPEB3 -0.04982255 4.888282745 -0.747957484 0.459010039 0.799827889 -6.708983175 stable

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UBE2V2P3 /// UBE2V2P3 -0.031358362 4.196071047 -0.747787854 0.459111182 0.799827889 -6.709110383 stable

MUC13 0.00395792 3.23621682 0.747654637 0.459190622 0.799827889 -6.709210265 stable

MVP 0.055251191 10.9190028 0.747523465 0.459268851 0.799827889 -6.709308596 stable

CTDNEP1 -0.029841069 11.9085142 -0.747496006 0.459285228 0.799827889 -6.709329178 stable

HERC2 0.067003029 8.762551562 0.747490933 0.459288254 0.799827889 -6.709332981 stable

FAM26D 0.001744711 2.198298998 0.747410646 0.45933614 0.799827889 -6.709393156 stable

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NUTM1 0.000976293 1.86372244 0.747345664 0.459374901 0.799827889 -6.709441856 stable

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FREM3 0.004570158 2.690865656 0.747033681 0.459561018 0.799827889 -6.709675608 stable

ROBO4 -0.004088857 2.611684156 -0.747006793 0.45957706 0.799827889 -6.70969575 stable

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PSME1 0.031014683 12.21781249 0.746840968 0.459676005 0.799827889 -6.709819951 stable

RPL38 -0.042858404 10.9169981 -0.746836305 0.459678788 0.799827889 -6.709823443 stable

AC004941.5 0.029804072 7.043298831 0.746827664 0.459683944 0.799827889 -6.709829914 stable

RASSF1-AS1 -0.01045696 2.312837289 -0.746807313 0.459696088 0.799827889 -6.709845155 stable

EDF1 0.032390241 11.49298608 0.74680138 0.459699628 0.799827889 -6.709849598 stable

TRMT112 0.041925205 12.2050449 0.74679185 0.459705315 0.799827889 -6.709856735 stable

CADM2-AS1 0.013014478 3.453036783 0.746786621 0.459708436 0.799827889 -6.709860651 stable

UBE3D 0.044356302 4.242206355 0.746781555 0.459711459 0.799827889 -6.709864444 stable

ELFN1 -0.006834124 3.027665658 -0.74654352 0.459853518 0.799942369 -6.71004267 stable

AZI2 0.07014937 8.654913901 0.746531147 0.459860903 0.799942369 -6.710051932 stable

CABLES2 -0.039734557 7.271769556 -0.746486955 0.45988728 0.799942369 -6.710085013 stable

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PLCD3 -0.001991583 2.343653971 -0.746326858 0.459982844 0.799942369 -6.710204844 stable

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STK11IP -0.050393358 8.528145572 -0.74619851 0.460059466 0.799942369 -6.710300893 stable

PSCA 0.007039824 2.595996531 0.746182451 0.460069053 0.799942369 -6.710312909 stable

TMC7 0.004698967 2.945619593 0.746074773 0.460133341 0.799942369 -6.710393475 stable

PRR35 0.006757409 2.849424899 0.746066933 0.460138022 0.799942369 -6.710399341 stable

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LINC01114 0.001015035 1.930610575 0.745870399 0.460255375 0.799942369 -6.71054636 stable

DPH3 0.068791035 8.821238921 0.745816765 0.460287403 0.799942369 -6.710586475 stable

TMPRSS11B 0.004016238 2.7859937 0.745565436 0.460437506 0.800132941 -6.710774416 stable

KCNJ11 0.002127489 2.572334001 0.745417128 0.460526095 0.800132941 -6.71088529 stable

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NAGK 0.112651078 12.43851699 0.743578391 0.461625246 0.800679484 -6.71225814 stable

MAGEB18 0.008557466 3.104645263 0.743569359 0.461630649 0.800679484 -6.712264875 stable

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PHEX -0.037136948 3.649030127 -0.743068881 0.461930087 0.800748291 -6.712637971 stable

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CYLD -0.074500611 11.75000458 -0.742990965 0.461976715 0.800748291 -6.712696033 stable

ARIH1 0.085144633 7.645759865 0.742643868 0.462184463 0.800828702 -6.712954617 stable

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CTD-3080P12.3 0.009414849 3.090591543 0.742411567 0.462323533 0.800828702 -6.713127613 stable

MEF2BNB -0.06675146 8.836412154 -0.742393065 0.46233461 0.800828702 -6.713141389 stable

RASL11A -0.001514136 2.502024938 -0.742296262 0.46239257 0.800828702 -6.713213462 stable

MT1M 0.002690695 2.659144016 0.742277058 0.462404069 0.800828702 -6.713227759 stable

PSTK -0.078589295 5.089608708 -0.742248976 0.462420884 0.800828702 -6.713248664 stable

SUSD4 -0.142618929 5.66962199 -0.742229438 0.462432583 0.800828702 -6.713263209 stable

ALKBH3-AS1 0.006570408 3.016719129 0.742174096 0.462465722 0.800828702 -6.713304405 stable

PSMD1 -0.033253961 9.115158385 -0.742016474 0.462560115 0.800933191 -6.713421721 stable

LAMC3 -0.006387435 2.333887263 -0.741618992 0.462798199 0.801286452 -6.713717454 stable

TMX3 0.01879135 3.394608447 0.741499124 0.462870011 0.801351799 -6.713806606 stable

GRIK2 0.005829063 3.041234622 0.741376387 0.46294355 0.801361619 -6.71389788 stable

GPC6 -0.004077828 2.637256164 -0.74134322 0.462963422 0.801361619 -6.713922541 stable

ABRACL 0.044363204 11.85252886 0.741260909 0.463012744 0.801361619 -6.71398374 stable

GYPC -0.072487812 11.6565594 -0.741152554 0.463077677 0.801361619 -6.714064294 stable

PITPNM3 0.001525233 2.06185547 0.741135649 0.463087807 0.801361619 -6.71407686 stable

TTPA 0.001938098 2.308602315 0.741131198 0.463090475 0.801361619 -6.714080169 stable

ERO1LB -0.161924931 6.731250062 -0.741091654 0.463114174 0.801361619 -6.714109563 stable

RP11-161D15.1 0.002372873 2.636199874 0.740946134 0.46320139 0.801404124 -6.714217719 stable

F9 0.001940683 2.320329935 0.740922558 0.46321552 0.801404124 -6.714235239 stable

GRTP1 0.001469619 2.412799309 0.740880126 0.463240954 0.801404124 -6.714266771 stable

ADTRP -0.107153896 7.110921914 -0.740574053 0.463424436 0.801604769 -6.714494169 stable

RBAKDN -0.021009751 5.00439265 -0.740572954 0.463425094 0.801604769 -6.714494985 stable

POLD3 0.064370261 9.004425908 0.740399315 0.463529205 0.801725893 -6.71462395 stable

HMGCLL1 0.00190539 2.637685926 0.740112094 0.463701446 0.801951257 -6.714837209 stable

TOR1AIP2 -0.06666531 4.94738379 -0.740051368 0.463737867 0.801951257 -6.714882288 stable

CATSPER1 0.139170613 6.006858016 0.740011486 0.463761787 0.801951257 -6.714911891 stable

VIMP 0.061901315 10.75354254 0.739889727 0.46383482 0.801985281 -6.71500226 stable

RNF25 0.067844683 7.324834213 0.739836354 0.463866837 0.801985281 -6.715041869 stable

LINC00454 0.008481443 2.82525378 0.739808155 0.463883753 0.801985281 -6.715062794 stable

SMU1 -0.047088557 8.733043362 -0.739507522 0.464064118 0.802108851 -6.715285837 stable

LOC101929239 0.005990199 3.298086298 0.739402054 0.464127403 0.802108851 -6.715364064 stable

WDFY1 0.037876328 10.572106 0.739384198 0.464138118 0.802108851 -6.715377307 stable

C1R -0.015116328 2.912062647 -0.739347836 0.464159938 0.802108851 -6.715404273 stable

XRN2 -0.029982301 10.73995474 -0.73933724 0.464166297 0.802108851 -6.715412132 stable

THRA 0.006028338 3.474418687 0.739313457 0.464180569 0.802108851 -6.715429769 stable

VEZT -0.054271372 4.813661643 -0.739291175 0.464193941 0.802108851 -6.715446292 stable

DAZ1 /// DAZ2 /// DAZ3 /// DAZ4 0.004159526 2.665880306 0.739181794 0.464259584 0.802157855 -6.715527398 stable

IFT27 0.060588908 8.102619443 0.739092038 0.464313455 0.802157855 -6.715593944 stable

LOC101930541 0.002327085 2.579900932 0.739073449 0.464324612 0.802157855 -6.715607724 stable

MMP19 -0.024155375 3.21473119 -0.738990921 0.464374147 0.802160036 -6.715668902 stable

OR1C1 -0.022230212 3.48012481 -0.738957711 0.464394082 0.802160036 -6.715693519 stable

LUC7L -0.067221267 6.750133182 -0.738749999 0.464518774 0.80219831 -6.715847459 stable

CDC40 0.02670656 10.92144146 0.738739744 0.464524931 0.80219831 -6.715855059 stable

SUCLG1 0.033260595 11.33686631 0.738715707 0.464539362 0.80219831 -6.71587287 stable

SPTLC3 0.017009715 3.874347638 0.738661375 0.464571982 0.80219831 -6.715913129 stable

GSX1 0.001060834 2.123625116 0.738608474 0.464603744 0.80219831 -6.715952323 stable

SCGB1D2 -0.010566357 2.638955351 -0.738502887 0.464667143 0.80219831 -6.716030546 stable

KLRG2 0.002511769 2.302358889 0.738449586 0.464699149 0.80219831 -6.716070029 stable

FAM167B -0.005269272 2.369844544 -0.738428756 0.464711658 0.80219831 -6.716085458 stable

ANHX 0.033338442 4.336101287 0.73838643 0.464737075 0.80219831 -6.716116809 stable

SDC2 0.050904317 2.604503585 0.738352757 0.464757297 0.80219831 -6.716141749 stable

B3GNT5 0.170881237 5.272225296 0.738069202 0.4649276 0.802263788 -6.716351722 stable

MRGPRF -0.006375323 3.319794621 -0.738055423 0.464935876 0.802263788 -6.716361922 stable

LOC101929949 0.001508392 2.394541941 0.738011749 0.46496211 0.802263788 -6.716394255 stable

NRSN2 -0.023285378 4.07396725 -0.737999215 0.464969639 0.802263788 -6.716403535 stable

C10orf67 -0.004330985 2.482172051 -0.737938998 0.465005812 0.802263788 -6.716448111 stable

CYP19A1 0.009744173 3.287049446 0.737934092 0.465008759 0.802263788 -6.716451742 stable

POMP -0.039043148 11.90847543 -0.737892091 0.465033991 0.802263788 -6.716482832 stable

ARHGAP25 0.002778612 2.460281231 0.737667604 0.465168861 0.802437607 -6.71664897 stable

RNF151 -0.009270573 3.277358652 -0.73741688 0.465319521 0.802554195 -6.716834467 stable

AZIN2 0.076106209 3.276362573 0.737387745 0.46533703 0.802554195 -6.716856019 stable

AMZ1 -0.023540815 3.895308214 -0.737347435 0.465361255 0.802554195 -6.716885835 stable

ART1 -0.002632695 1.762176417 -0.73730302 0.465387949 0.802554195 -6.716918686 stable

LOC100505570 0.001005937 2.182447004 0.737271238 0.46540705 0.802554195 -6.716942192 stable

CDKN2B -0.018177457 2.484061906 -0.737154826 0.465477019 0.802616008 -6.717028282 stable

C14orf39 0.004730804 2.933019763 0.737029193 0.465552537 0.80268446 -6.717121176 stable

ZCWPW2 0.011864987 3.627121712 0.736890074 0.46563617 0.80268446 -6.717224024 stable

CBX4 -0.047417381 9.06516282 -0.736871786 0.465647165 0.80268446 -6.717237542 stable

ATP8B3 0.007629096 3.117168374 0.736737912 0.465727654 0.80268446 -6.717336492 stable

LINC00240 0.001759476 2.456659052 0.736714964 0.465741452 0.80268446 -6.717353452 stable

NDUFB3 0.043361334 11.12023895 0.736676297 0.465764701 0.80268446 -6.717382027 stable

PPP6R1 0.027881895 10.58141349 0.736614924 0.465801605 0.80268446 -6.717427381 stable

LOC100507547 /// PRRT1 -0.079641037 4.700008172 -0.736595226 0.46581345 0.80268446 -6.717441936 stable

SOX1 0.002323278 2.362680504 0.736577924 0.465823854 0.80268446 -6.717454721 stable

STXBP5L 0.008893355 2.578146208 0.736379409 0.465943236 0.802778415 -6.717601386 stable

TMEM35 0.001382374 2.292558901 0.736287358 0.465998599 0.802778415 -6.717669381 stable

LOC100506731 0.002143514 2.681037019 0.736270736 0.466008597 0.802778415 -6.717681658 stable

RP1-228H13.5 -0.032890813 4.890822391 -0.736221959 0.466037935 0.802778415 -6.717717684 stable

AR -0.01471861 2.259187433 -0.736203512 0.466049031 0.802778415 -6.717731308 stable

LOC441666 0.010263762 3.418602701 0.735572799 0.466428494 0.803373214 -6.718196922 stable

SNX32 -0.002951799 2.661630692 -0.735336738 0.466570563 0.80355907 -6.71837109 stable

MSRA -0.068999621 8.446734516 -0.735272568 0.466609188 0.803566752 -6.718418426 stable

DUSP27 -0.003441779 2.555990268 -0.735111851 0.466705931 0.803632099 -6.718536964 stable

LOC101928001 0.018194951 3.721382255 0.735000864 0.466772747 0.803632099 -6.718618808 stable

PHC2 -0.086590512 10.15873273 -0.734982449 0.466783834 0.803632099 -6.718632387 stable

AQP11 0.007653822 2.370754034 0.73489833 0.466834479 0.803632099 -6.718694408 stable

MRPL13 0.060913099 9.174390321 0.734745922 0.466926247 0.803632099 -6.718806763 stable

TBC1D28 0.001454557 2.296822875 0.734701175 0.466953191 0.803632099 -6.718839746 stable

CTD-2554C21.3 0.001368122 2.382971714 0.734574401 0.467029535 0.803632099 -6.71893318 stable

PTGES -0.026642675 2.506707642 -0.734525812 0.467058797 0.803632099 -6.718968987 stable

TMC6 -0.045649725 11.73821265 -0.734493015 0.467078549 0.803632099 -6.718993154 stable

RP11-266L9.1 0.001164796 2.07905438 0.734492413 0.467078912 0.803632099 -6.718993598 stable

LINC00698 -0.009340648 2.620222064 -0.73448171 0.467085358 0.803632099 -6.719001485 stable

NF1 0.010704198 3.508452091 0.734468154 0.467093522 0.803632099 -6.719011474 stable

RP1-142L7.9 0.001706127 2.467576499 0.734455394 0.467101207 0.803632099 -6.719020876 stable

TNPO1 -0.040152827 2.288695091 -0.734415119 0.467125465 0.803632099 -6.719050551 stable

ASXL1 -0.053833234 8.410272515 -0.734111312 0.467308468 0.803888136 -6.71927435 stable

ZNF80 0.012363041 3.604533695 0.733918195 0.467424818 0.804029482 -6.719416563 stable

SPA17 -0.055111391 3.182829683 -0.733836251 0.467474192 0.80405561 -6.719476896 stable

LCN12 0.023815878 4.300399026 0.733688441 0.467563261 0.804147746 -6.719585708 stable

HOXA6 -0.00342825 2.55237941 -0.733633889 0.467596136 0.804147746 -6.719625861 stable

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OR3A3 0.002006313 2.372743122 0.732976109 0.467992644 0.804617478 -6.7201098 stable

CCDC81 -0.00907027 2.416900599 -0.732945958 0.468010824 0.804617478 -6.720131972 stable

LOC101928420 -0.002696004 2.196794386 -0.732910016 0.468032496 0.804617478 -6.720158402 stable

REG3A 0.001487996 2.011156239 0.732827272 0.46808239 0.804617478 -6.720219243 stable

FREM1 0.001820237 2.544583987 0.732795517 0.468101538 0.804617478 -6.72024259 stable

LRRD1 0.009892379 3.194709978 0.732783581 0.468108736 0.804617478 -6.720251366 stable

BCL6B -0.003407357 2.241569951 -0.732676974 0.468173026 0.804643009 -6.720329738 stable

COX6B1P3 /// COX6B1P3 -0.013296719 3.452139278 -0.732561897 0.468242429 0.804643009 -6.720414325 stable

ZBED3 -0.099520566 5.34728161 -0.732491066 0.46828515 0.804643009 -6.720466382 stable

DSC2 -0.068945001 2.626859701 -0.732459711 0.468304063 0.804643009 -6.720489426 stable

CTNNB1 0.155454592 4.958881531 0.73243959 0.468316199 0.804643009 -6.720504212 stable

LOC101929224 0.002201473 2.612815508 0.732338799 0.468376997 0.804643009 -6.720578275 stable

TIGD4 0.009017097 3.3575259 0.732323626 0.46838615 0.804643009 -6.720589424 stable

MPP2 -0.004587867 1.945033386 -0.732305199 0.468397265 0.804643009 -6.720602963 stable

THOC6 -0.052519006 6.093587449 -0.73222872 0.468443403 0.804663498 -6.720659153 stable

MYOG -0.013715128 2.713961973 -0.731877425 0.468655359 0.804864839 -6.720917176 stable

INTS10 -0.077561502 5.083874637 -0.731873624 0.468657652 0.804864839 -6.720919967 stable

PDCD11 -0.021564558 9.163590947 -0.731768223 0.468721258 0.804864839 -6.72099736 stable

RAB6A 0.031046818 3.94304623 0.731764327 0.468723609 0.804864839 -6.721000221 stable

PLEKHS1 0.004656291 3.195016789 0.731750902 0.468731711 0.804864839 -6.721010077 stable

PAX1 0.003982736 2.227696543 0.73145825 0.468908343 0.805087339 -6.7212249 stable

LOC730102 0.014708566 3.257056445 0.731385535 0.468952236 0.805087339 -6.721278264 stable

NUP210L 0.00177903 2.322374575 0.731310667 0.468997432 0.805087339 -6.721333202 stable

OR4F16 /// OR4F21 /// OR4F29 /// OR4F3 -0.011567685 1.870824087 -0.731236356 0.469042294 0.805087339 -6.721387727 stable

FAM167A -0.148370579 5.079390769 -0.731167477 0.469083879 0.805087339 -6.721438261 stable

CASC16 0.002032691 2.485688248 0.731148705 0.469095212 0.805087339 -6.721452032 stable

FLNB -0.072412507 7.626690463 -0.73098743 0.46919259 0.805087339 -6.721570332 stable

LOC254028 0.001255584 2.138377775 0.730976491 0.469199195 0.805087339 -6.721578356 stable

NECAB2 -0.013770349 3.150448914 -0.730969575 0.469203371 0.805087339 -6.721583428 stable

LOC100130285 -0.024922889 3.954848886 -0.730969241 0.469203573 0.805087339 -6.721583673 stable

DNMT3B 0.006757025 2.679002537 0.730843876 0.469279277 0.8051585 -6.721675613 stable

BTNL2 0.001093949 2.027200534 0.730773954 0.469321504 0.805172217 -6.721726885 stable

INPP5D -0.114549366 9.118686661 -0.73061443 0.46941785 0.80525482 -6.721843842 stable

TMCO6 0.047591177 7.497184241 0.730580866 0.469438123 0.80525482 -6.721868447 stable

ZNF326 -0.026984037 7.768130469 -0.730374567 0.46956274 0.805403881 -6.722019655 stable

FXYD7 -0.208545558 5.107668977 -0.73009855 0.469729501 0.805403881 -6.722221899 stable

CSN1S1 0.0046232 2.784898884 0.729856859 0.469875551 0.805403881 -6.72239893 stable

POLR3GL 0.035889515 10.95360274 0.729685631 0.469979037 0.805403881 -6.722524314 stable

DOCK10 -0.169561644 7.351399391 -0.729552223 0.470059675 0.805403881 -6.722621985 stable

LOC284023 0.069771226 5.365747705 0.729502249 0.470089883 0.805403881 -6.722658567 stable

SIAH3 0.007253495 2.966983574 0.729488857 0.470097979 0.805403881 -6.72266837 stable

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HS6ST3 0.004302213 2.468855476 0.72939007 0.470157698 0.805403881 -6.722740677 stable

OSTCP1 0.004158452 3.072927595 0.729385689 0.470160346 0.805403881 -6.722743883 stable

UBE2Q1 -0.030108318 11.31200752 -0.729359533 0.470176159 0.805403881 -6.722763026 stable

LOC101927282 0.001698825 2.396640545 0.729338676 0.470188768 0.805403881 -6.72277829 stable

C5orf49 0.004333113 2.985938363 0.729319172 0.47020056 0.805403881 -6.722792564 stable

RPL29 0.029777001 14.8614533 0.729181312 0.470283911 0.805403881 -6.722893444 stable

EIF2B5 -0.005812903 3.702388872 -0.729144802 0.470305987 0.805403881 -6.722920157 stable

LUZP2 -0.014473154 3.278228385 -0.72914463 0.470306091 0.805403881 -6.722920283 stable

LOC100507391 0.002389872 2.084448594 0.729129788 0.470315065 0.805403881 -6.722931143 stable

JMJD4 0.092425296 5.547129607 0.72910785 0.47032833 0.805403881 -6.722947193 stable

ZNF324 0.05690673 8.559483698 0.729012114 0.470386222 0.805403881 -6.723017231 stable

TTTY7 /// TTTY7B 0.00139137 2.297133697 0.728997012 0.470395354 0.805403881 -6.723028278 stable

BCL2A1 0.112603851 11.35002755 0.728970556 0.470411352 0.805403881 -6.72304763 stable

RP11-214K3.20 0.010396776 3.438024235 0.728942755 0.470428165 0.805403881 -6.723067967 stable

GRB2 -0.053695098 11.37081765 -0.728917627 0.470443361 0.805403881 -6.723086346 stable

IMPDH1 -0.086014767 9.219549127 -0.728909323 0.470448383 0.805403881 -6.72309242 stable

SLC25A38 0.053992608 9.576940655 0.728870723 0.470471727 0.805403881 -6.723120652 stable

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DQ583205 /// LOC642533 /// ZNF778 0.046424572 3.96588028 0.728766735 0.470534619 0.805403881 -6.723196702 stable

ZNF536 0.001436853 2.338980572 0.728752695 0.470543111 0.805403881 -6.72320697 stable

ISL2 -0.034033275 2.588772783 -0.728667783 0.470594469 0.805403881 -6.723269059 stable

RP11-421F16.3 0.002596587 2.656910095 0.728643697 0.470609038 0.805403881 -6.723286671 stable

DNAJB6 -0.06152639 9.611759267 -0.728553004 0.470663899 0.805403881 -6.723352978 stable

TALDO1 -0.060276904 13.30149808 -0.728520638 0.470683478 0.805403881 -6.72337664 stable

HYPK -0.022241658 2.640884347 -0.728511103 0.470689246 0.805403881 -6.72338361 stable

KDM4C /// KDM4C -0.008424406 3.296602869 -0.728412652 0.470748805 0.805447199 -6.723455577 stable

VN1R2 0.001164612 2.250446185 0.728342525 0.470791231 0.805461198 -6.723506833 stable

KCNMB4 -0.043295303 2.506367288 -0.728189365 0.4708839 0.805561148 -6.723618762 stable

HMGB2 -0.050328616 13.11313006 -0.728025799 0.470982877 0.805671873 -6.72373827 stable

DNM3OS 0.002591417 2.508524121 0.72796727 0.471018297 0.805673869 -6.723781028 stable

PLEKHM1 0.033325124 10.15422308 0.7277827 0.471130002 0.80580634 -6.72391584 stable

CHRNA4 0.016486581 3.049357496 0.727465213 0.471322188 0.806023856 -6.724147661 stable

RNF167 0.027806079 10.12751137 0.727457554 0.471326825 0.806023856 -6.724153252 stable

NNT -0.033901019 10.72211068 -0.727402786 0.471359982 0.806023856 -6.724193231 stable

IER3IP1 0.094015966 4.646969345 0.727254617 0.471449694 0.806079594 -6.724301377 stable

C3orf35 -0.007600539 2.629405489 -0.727228797 0.471465328 0.806079594 -6.72432022 stable

LOC554207 0.003573538 2.70564295 0.727179151 0.47149539 0.806079594 -6.72435645 stable

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ARF1P1 /// ARF1P1 -0.00268438 2.290988255 -0.72688231 0.471675156 0.806246483 -6.724573023 stable

COA4 0.031352528 9.563823374 0.726809952 0.471718982 0.806246483 -6.724625802 stable

NRARP -0.055828767 3.513125875 -0.726791566 0.471730118 0.806246483 -6.724639212 stable

ABI1 0.029579267 3.943930159 0.726716623 0.471775513 0.806265482 -6.724693869 stable

EHF 0.00310464 2.757389099 0.726307022 0.472023661 0.806630959 -6.724992503 stable

KRTAP2-3 /// KRTAP2-4 0.001428027 2.266771486 0.726238585 0.472065129 0.806643218 -6.725042383 stable

STMN2 -0.004767081 2.492519179 -0.726089841 0.472155266 0.806717198 -6.72515078 stable

LOC441242 0.001166349 1.987685846 0.726016339 0.47219981 0.806717198 -6.725204336 stable

HIST1H4F /// HIST1H4G 0.002176648 2.643212115 0.725997353 0.472211317 0.806717198 -6.725218169 stable

ITGA9-AS1 -0.006371421 2.772618957 -0.725879103 0.472282987 0.806781039 -6.725304318 stable

NECAP2 0.036797606 11.54215848 0.725579138 0.472464818 0.807033042 -6.725522788 stable

S100B 0.005965748 3.096184023 0.725478449 0.472525863 0.807078703 -6.725596103 stable

PGGT1B 0.129045953 6.365030593 0.72532693 0.472617732 0.807177003 -6.725706409 stable

GAPDHS 0.002340024 2.51831872 0.725241337 0.472669634 0.807207033 -6.725768711 stable

RP11-48B3.4 0.060490047 3.978537336 0.72499476 0.47281917 0.807403783 -6.725948151 stable

PAPOLG 0.012050762 3.63566332 0.724765257 0.472958377 0.807582866 -6.726115112 stable

LOC646241 -0.001850484 2.601398593 -0.724606881 0.473054454 0.807680221 -6.726230299 stable

LOC100505978 -0.013121077 2.992078271 -0.724558066 0.47308407 0.807680221 -6.726265798 stable

NMB 0.042677143 6.459635482 0.724475874 0.473133937 0.807699954 -6.726325563 stable

CCDC90B 0.054399438 7.309441999 0.72442582 0.473164307 0.807699954 -6.726361955 stable

CELF5 -0.002780786 2.808499525 -0.724304457 0.473237948 0.807767038 -6.726450185 stable

PPP1R1C 0.002749428 2.5836843 0.72413893 0.473338398 0.807800275 -6.726570498 stable

GUCY2C 0.001548197 2.506124369 0.724112133 0.473354661 0.807800275 -6.726589973 stable

IP6K3 0.002021282 2.622082781 0.724102591 0.473360452 0.807800275 -6.726596907 stable

C18orf32 /// RPL17 /// RPL17-C18orf32 -0.027524068 10.51211465 -0.723810604 0.473537678 0.807896869 -6.726809062 stable

LINC00559 0.001999616 2.479163166 0.723783367 0.473554212 0.807896869 -6.726828848 stable

WNT7B -0.003270721 2.093112427 -0.723757716 0.473569783 0.807896869 -6.726847481 stable

SCN7A 0.00260898 2.771909162 0.723750568 0.473574123 0.807896869 -6.726852674 stable

C15orf27 -0.00176462 2.311714534 -0.723682705 0.47361532 0.807896869 -6.726901966 stable

ZNF507 -0.022039216 3.115717586 -0.723622287 0.473652 0.807896869 -6.726945847 stable

FRMPD4 -0.005332082 3.589156078 -0.723613244 0.47365749 0.807896869 -6.726952415 stable

EVA1C 0.108546116 5.849356209 0.723483666 0.473736164 0.807920481 -6.727046513 stable

F2RL1 -0.192225111 4.910817887 -0.723425249 0.473771634 0.807920481 -6.72708893 stable

ITGA10 0.037306206 4.266290477 0.723403288 0.473784969 0.807920481 -6.727104875 stable

DEFB114 0.00416806 2.892028224 0.723364158 0.473808729 0.807920481 -6.727133284 stable

ATP12A -0.001619807 2.164413311 -0.723301275 0.473846914 0.807927022 -6.727178936 stable

WHSC1 0.043499935 6.153162644 0.723244398 0.473881454 0.807927348 -6.727220225 stable

WFDC13 -0.015172976 2.775327956 -0.723127785 0.473952274 0.807985226 -6.727304866 stable

USP45 -0.052093312 3.66662254 -0.723025172 0.474014597 0.807985226 -6.727379336 stable

MEG8 /// SNORD112 0.001809115 2.7118765 0.723018817 0.474018457 0.807985226 -6.727383948 stable

TIGD6 0.014589299 3.897257179 0.722898211 0.474091714 0.808051537 -6.727471461 stable

KDM6B -0.059931814 6.888166325 -0.722808922 0.474145953 0.808085426 -6.727536242 stable

SLC6A7 -0.001540652 2.231710029 -0.722648201 0.474243594 0.808182643 -6.727652827 stable

MTCL1 0.035439272 2.945129173 0.722601914 0.474271715 0.808182643 -6.727686398 stable

DOPEY2 -0.065894176 7.645024442 -0.722395752 0.474396982 0.808337541 -6.7278359 stable

PHGDH -0.125770213 5.473127037 -0.722328542 0.474437824 0.808348574 -6.72788463 stable

MTF2 0.027115893 10.5004891 0.722253509 0.474483422 0.808352267 -6.727939026 stable

LOC101928700 0.001829018 2.534262564 0.722211872 0.474508727 0.808352267 -6.727969209 stable

C20orf26 -0.01101816 2.908616636 -0.722028451 0.474620207 0.808422086 -6.728102152 stable

TIMD4 -0.008280593 2.64649967 -0.721971474 0.474654839 0.808422086 -6.728143442 stable

ANO7 -0.001800695 2.345753894 -0.721943236 0.474672004 0.808422086 -6.728163904 stable

RP11-403N16.3 0.002815376 2.35804574 0.721843236 0.474732792 0.808422086 -6.728236361 stable

ACVR1C -0.169449509 4.313785534 -0.721787022 0.474766965 0.808422086 -6.728277088 stable

SMC5-AS1 0.021621038 3.436494432 0.721662786 0.474842496 0.808422086 -6.728367086 stable

TUBGCP2 -0.045464233 8.505748958 -0.721658426 0.474845147 0.808422086 -6.728370244 stable

C5orf15 0.044228988 10.54330716 0.721540607 0.474916783 0.808422086 -6.72845558 stable

PRG3 0.001488406 2.424261963 0.721534498 0.474920497 0.808422086 -6.728460004 stable

C10orf126 0.012959207 3.617737435 0.721525361 0.474926052 0.808422086 -6.72846662 stable

CASC6 0.00136271 2.263624416 0.721454978 0.47496885 0.808422086 -6.728517591 stable

NEMF 0.029039906 10.40903586 0.721406871 0.474998103 0.808422086 -6.728552426 stable

ENTPD1-AS1 /// LOC101927104 0.004525271 2.6602052 0.721396119 0.475004642 0.808422086 -6.728560212 stable

RP5-1180E21.5 0.02651741 3.826861603 0.721144192 0.475157854 0.808422086 -6.728742598 stable

LINC00668 -0.034209522 2.194795659 -0.721089009 0.475191417 0.808422086 -6.72878254 stable

HS2ST1 -0.048577787 6.767576285 -0.721062404 0.4752076 0.808422086 -6.728801797 stable

LOC143188 /// VTI1A 0.039329417 3.774017829 0.721018258 0.475234452 0.808422086 -6.728833747 stable

FLJ90680 -0.001224147 2.073738801 -0.720990487 0.475251344 0.808422086 -6.728853845 stable

ITK 0.085386549 12.76386131 0.720989332 0.475252047 0.808422086 -6.728854681 stable

KRT7 0.000982088 1.834021264 0.720984548 0.475254958 0.808422086 -6.728858143 stable

ABCA11P -0.087123148 5.262838391 -0.720957377 0.475271485 0.808422086 -6.728877806 stable

AC002064.5 -0.001476938 2.417560708 -0.720717626 0.475417338 0.808596599 -6.729051276 stable

C10orf107 0.003598592 2.901125446 0.720673425 0.475444231 0.808596599 -6.729083251 stable

AREL1 -0.02293933 3.036658261 -0.720613756 0.475480536 0.808596599 -6.729126413 stable

CDY1 /// CDY1B /// CDY2A /// CDY2B 0.007608275 2.609920845 0.720562715 0.475511592 0.808596599 -6.729163331 stable

LOC100506071 0.002970584 2.797547975 0.720373162 0.475626938 0.808734275 -6.729300413 stable

FAM174B 0.003813579 2.647073329 0.720253307 0.47569988 0.808799832 -6.729387071 stable

NANOS1 0.005258267 2.797974631 0.720125838 0.475777463 0.808853005 -6.72947922 stable

LOC283861 -0.064091116 4.74280292 -0.720064682 0.475814688 0.808853005 -6.729523425 stable

CCNY 0.003494153 2.716638206 0.720005857 0.475850495 0.808853005 -6.729565941 stable

FLVCR1 0.065620362 7.492242081 0.719975937 0.475868708 0.808853005 -6.729587565 stable

CDC42EP3 -0.081554154 10.7291997 -0.719863349 0.475937247 0.808911048 -6.729668926 stable

ZNF264 0.079677033 5.599611684 0.719416195 0.476209512 0.809294735 -6.729991938 stable

TPBGL 0.033752787 2.828735361 0.719340402 0.47625567 0.809294735 -6.73004667 stable

SPRYD7 -0.028519667 2.780168519 -0.719323081 0.476266218 0.809294735 -6.730059176 stable

ASB15 0.001656028 2.5234589 0.71916488 0.476362572 0.809355788 -6.730173396 stable

TAS2R43 /// TAS2R45 -0.191465898 7.836030277 -0.719151097 0.476370967 0.809355788 -6.730183345 stable

ZSCAN12P1 -0.001114171 2.138556659 -0.71903427 0.47644213 0.809418226 -6.730267676 stable

PLIN5 0.009382891 2.238891902 0.718689785 0.476652 0.809716286 -6.730516261 stable

C2orf82 0.00213348 2.477617022 0.718317132 0.47687909 0.810043553 -6.730785042 stable

CLCNKB 0.019975215 3.077351372 0.718115918 0.477001733 0.810078233 -6.730930113 stable

POMZP3 -0.175823489 8.407185268 -0.718080848 0.477023111 0.810078233 -6.730955394 stable

LOC100505912 0.001705449 2.468655392 0.718067664 0.477031147 0.810078233 -6.730964898 stable

GLT1D1 -0.1328209 9.700859946 -0.718057621 0.477037269 0.810078233 -6.730972137 stable

CKS1B 0.062933491 8.279769521 0.717985024 0.477081524 0.810094899 -6.731024464 stable

LINC00520 -0.014983555 2.146772567 -0.717658383 0.477280674 0.81016301 -6.731259841 stable

HEBP1 -0.070385686 10.28003966 -0.717575342 0.477331311 0.81016301 -6.731319663 stable

ADCY2 0.001021848 2.197647417 0.717564657 0.477337826 0.81016301 -6.73132736 stable

SPINK4 -0.004374283 2.889206364 -0.717545634 0.477349427 0.81016301 -6.731341063 stable

CCT5 0.03409086 10.94801742 0.717544056 0.477350389 0.81016301 -6.7313422 stable

AC010145.3 /// MYCNUN 0.011788537 3.011029032 0.717521016 0.477364439 0.81016301 -6.731358796 stable

MAB21L2 0.002447234 2.358123537 0.717460332 0.477401447 0.81016301 -6.731402505 stable

IPW /// LOC101930404 /// PWARSN /// SNORD107 /// SNORD115-13 /// SNORD115-26 /// SNORD115-7 /// SNORD116-22 /// SNORD116-28 /// SNORD116-4 /// SNRPN /// SNURF -0.148775785 8.311783914 -0.717453226 0.47740578 0.81016301 -6.731407623 stable

PDE4B 0.088578287 11.12166219 0.71740111 0.477437564 0.81016301 -6.731445158 stable

LHFPL1 -0.005070451 2.471501752 -0.717342626 0.477473233 0.81016301 -6.731487275 stable

CEP41 0.001563948 2.013324872 0.717257878 0.477524923 0.81016301 -6.731548301 stable

SFXN1 0.058002918 8.511132603 0.717186258 0.477568607 0.81016301 -6.731599868 stable

SLC2A1-AS1 -0.011916989 3.529053683 -0.717109166 0.477615633 0.81016301 -6.73165537 stable

TRIM10 -0.002035805 2.40624937 -0.717083055 0.477631561 0.81016301 -6.731674167 stable

LOC401052 -0.005835896 3.372108819 -0.717072006 0.4776383 0.81016301 -6.73168212 stable

NLRX1 0.082663518 7.053853806 0.71694041 0.477718581 0.810184767 -6.731776843 stable

CAV1 -0.098810628 2.649099399 -0.716938055 0.477720018 0.810184767 -6.731778538 stable

DSCR10 0.004997257 2.955249176 0.716842508 0.477778311 0.810225209 -6.731847302 stable

TRMT61A -0.001309828 2.013577699 -0.71663834 0.477902888 0.810300286 -6.731994209 stable

INSM2 0.001532793 2.543113861 0.716579281 0.477938927 0.810300286 -6.732036697 stable

MTERF3 0.040522219 9.125260234 0.716561452 0.477949807 0.810300286 -6.732049522 stable

CCL22 -0.004978769 2.355728885 -0.716529449 0.477969338 0.810300286 -6.732072544 stable

PRICKLE3 0.076333107 7.151222981 0.71644189 0.478022773 0.810300286 -6.732135524 stable

TEX9 0.002986697 2.895840058 0.716383862 0.478058188 0.810300286 -6.732177259 stable

GTF2H2 /// GTF2H2B /// GTF2H2C /// GTF2H2C\_2 -0.100030646 9.218209403 -0.716374777 0.478063733 0.810300286 -6.732183793 stable

LOC101928850 0.00106463 2.284314532 0.716221234 0.47815745 0.810400734 -6.732294207 stable

TUBBP5 -0.075479592 3.432472047 -0.716127862 0.478214446 0.810437683 -6.73236134 stable

TAS2R3 -0.001742245 2.280467627 -0.71607263 0.478248163 0.810437683 -6.732401047 stable

RCBTB1 -0.02465349 4.672275144 -0.715895671 0.478356197 0.810530421 -6.732528245 stable

EPS15 -0.026827012 10.60340085 -0.715870102 0.478371808 0.810530421 -6.732546622 stable

RSAD2 0.165202703 8.235521018 0.715615411 0.478527325 0.810735519 -6.732729634 stable

RP11-196G18.23 -0.061493852 3.862791399 -0.715515451 0.478588369 0.810778408 -6.732801444 stable

CTPS2 -0.068893372 6.506313939 -0.715461071 0.478621581 0.810778408 -6.732840507 stable

BCORL1 -0.034738504 8.013156667 -0.715379857 0.478671182 0.810804038 -6.732898838 stable

SEC14L1 -0.077363704 8.802880017 -0.71530157 0.478718999 0.810826641 -6.732955062 stable

IARS2 -0.020925936 11.18279176 -0.715198129 0.478782184 0.810875269 -6.733029341 stable

LOC338963 -0.01094919 3.044218918 -0.715063849 0.478864213 0.810891094 -6.73312575 stable

SMPD1 -0.047030651 8.615536062 -0.715022687 0.47888936 0.810891094 -6.733155299 stable

MYLK3 0.001708586 2.299148811 0.715013531 0.478894953 0.810891094 -6.733161872 stable

G6PC2 0.001159552 2.142533581 0.714942213 0.478938525 0.810906496 -6.733213065 stable

FBXL17 0.051712455 8.727397716 0.71467937 0.479099128 0.811066234 -6.733401695 stable

APCDD1 -0.202539723 4.46257746 -0.71467494 0.479101835 0.811066234 -6.733404874 stable

RAB26 0.006886739 2.553497122 0.714613243 0.479139537 0.811071684 -6.733449141 stable

YKT6 -0.048110552 8.621582504 -0.714515936 0.479199005 0.811097593 -6.73351895 stable

CADPS 0.011072794 3.36854198 0.714459115 0.479233732 0.811097593 -6.73355971 stable

TAF5L -0.055169438 6.467691437 -0.714418926 0.479258295 0.811097593 -6.733588537 stable

ENKD1 -0.049164591 4.97350015 -0.714308504 0.479325787 0.811146735 -6.733667733 stable

CHODL -0.001274963 2.217968528 -0.714257329 0.479357068 0.811146735 -6.733704433 stable

LOC101929164 0.001239817 2.205894453 0.714202164 0.479390789 0.811146735 -6.733743991 stable

STRN3 0.048159758 8.264947053 0.714080195 0.479465351 0.811172495 -6.733831443 stable

ACTBP9 /// ACTBP9 -0.043555114 10.84052721 -0.714064431 0.479474988 0.811172495 -6.733842745 stable

HAO1 0.002202324 2.535797397 0.713725495 0.479682223 0.811395988 -6.73408568 stable

LOC219690 0.001623316 2.223967589 0.713708473 0.479692632 0.811395988 -6.734097878 stable

HIPK4 0.009293906 3.580158511 0.713679119 0.479710582 0.811395988 -6.734118911 stable

ITIH5 -0.015691516 3.722496168 -0.713600201 0.479758844 0.811417885 -6.734175457 stable

LOC101929454 0.00354774 2.407294575 0.713545131 0.479792524 0.811417885 -6.734214912 stable

KLC1 0.036445076 7.997029157 0.713325308 0.479926974 0.811512509 -6.734372373 stable

AQR 0.047276367 7.464953601 0.713303281 0.479940447 0.811512509 -6.734388148 stable

CDAN1 -0.035791706 8.107308585 -0.713257173 0.479968652 0.811512509 -6.734421169 stable

TCEB2 0.029512462 11.72900575 0.713198297 0.480004667 0.811512509 -6.73446333 stable

LOC100130452 0.002250273 2.688948406 0.713171627 0.480020983 0.811512509 -6.734482428 stable

LINC00550 0.017051379 3.705372086 0.71292847 0.480169746 0.811587914 -6.734656511 stable

MTERF4 -0.067031964 9.834574503 -0.712867047 0.480207329 0.811587914 -6.734700477 stable

RP5-894A10.6 -0.104345493 5.351059693 -0.712827722 0.480231391 0.811587914 -6.734728623 stable

CSNK2B -0.026420574 12.31982356 -0.712817273 0.480237785 0.811587914 -6.734736102 stable

CACNA1H 0.016187731 2.129620575 0.712765751 0.480269312 0.811587914 -6.734772975 stable

AP3M2 -0.133320235 7.485077025 -0.712760353 0.480272615 0.811587914 -6.734776838 stable

DNAJB11 0.042680113 10.84937224 0.712653275 0.480338142 0.811640333 -6.734853463 stable

RP11-740C1.2 0.002810499 2.388410169 0.712529285 0.480414025 0.811655394 -6.734942176 stable

ATP5SL -0.03799308 3.827423673 -0.712525942 0.480416071 0.811655394 -6.734944568 stable

MAFG-AS1 0.018725281 3.239156582 0.7124352 0.480471609 0.811676247 -6.735009482 stable

MRPL30 0.029509429 10.04352918 0.712392767 0.480497582 0.811676247 -6.735039835 stable

ZNF546 0.030765832 3.731279231 0.712336636 0.480531939 0.811676247 -6.735079983 stable

JAGN1 0.048434003 10.27860324 0.712242355 0.480589652 0.81169979 -6.735147412 stable

PRCP 0.002100562 2.541300795 0.712201118 0.480614896 0.81169979 -6.735176901 stable

ZC3H12C 0.011293177 3.103560435 0.71210988 0.480670752 0.811727669 -6.735242142 stable

MKNK1-AS1 -0.00173118 2.347808167 -0.712017923 0.480727051 0.811727669 -6.735307888 stable

PCDHGA4 0.00573321 3.254016509 0.712005045 0.480734936 0.811727669 -6.735317095 stable

GALNT1 0.041153986 9.451547761 0.711932968 0.480779067 0.811743912 -6.735368621 stable

C14orf37 0.006493295 3.279779086 0.711812429 0.480852875 0.811810256 -6.73545478 stable

CA3 0.009274441 3.652445628 0.711591209 0.48098835 0.811980692 -6.735612867 stable

NAALADL2 -0.005728697 3.010109748 -0.711529703 0.48102602 0.811986006 -6.735656811 stable

PTGR2 /// ZNF410 0.036176445 9.047552749 0.711368933 0.481124493 0.81209395 -6.73577166 stable

KY 0.002551928 2.488898953 0.711232379 0.481208142 0.812176859 -6.73586919 stable

RP1-28C20.1 0.007875315 3.360853205 0.711101519 0.481288311 0.812198382 -6.735962636 stable

C11orf70 0.001535171 2.39618524 0.711070423 0.481307362 0.812198382 -6.735984839 stable

RASL12 0.005487844 2.326765373 0.71100143 0.481349634 0.812198382 -6.736034097 stable

RARRES2 0.023396462 4.114873682 0.710968194 0.481369997 0.812198382 -6.736057825 stable

EQTN 0.008446674 3.111790196 0.710929759 0.481393548 0.812198382 -6.736085263 stable

PPP2R2B -0.005663892 2.873327253 -0.710848406 0.481443397 0.812205566 -6.736143334 stable

RP11-461L18.1 0.004913086 3.160350309 0.710805158 0.481469899 0.812205566 -6.736174203 stable

LOC100506585 0.152730339 4.719698814 0.710753754 0.481501399 0.812205566 -6.73621089 stable

LOC101929269 0.001198386 2.18571886 0.710658031 0.481560062 0.812240023 -6.736279202 stable

CCDC7 0.032976557 4.055882069 0.710607727 0.481590892 0.812240023 -6.736315098 stable

PUF60 -0.032781176 11.00011928 -0.710503045 0.481655051 0.812289988 -6.736389787 stable

KIAA0226 -0.010431475 3.552579718 -0.710067377 0.481922125 0.81257125 -6.736700518 stable

UBQLNL -0.014607099 2.878593823 -0.710046262 0.481935071 0.81257125 -6.736715573 stable

DPYD -0.044628447 3.637539557 -0.710041748 0.481937839 0.81257125 -6.736718792 stable

C10orf54 -0.079690187 11.15487415 -0.709829996 0.482067679 0.81257125 -6.736869747 stable

LOC101927623 -0.004731272 2.763780395 -0.709731407 0.482128138 0.81257125 -6.736940014 stable

DNMT3L 0.002929728 2.624616007 0.709681294 0.482158872 0.81257125 -6.736975729 stable

SPRR4 -0.035867904 6.08351868 -0.709652771 0.482176365 0.81257125 -6.736996055 stable

CCDC89 0.008007692 3.458900599 0.70960522 0.482205528 0.81257125 -6.737029939 stable

LINC00858 0.00168227 2.401694594 0.709553795 0.482237069 0.81257125 -6.737066581 stable

PKP2 0.04884784 2.87469445 0.709482446 0.482280831 0.81257125 -6.737117415 stable

NUP160 0.059951561 8.62449362 0.709427687 0.48231442 0.81257125 -6.737156427 stable

AGTR2 0.00109043 2.173329734 0.709394761 0.482334617 0.81257125 -6.737179883 stable

CSH1 /// CSH2 /// CSHL1 /// GH1 0.001316934 2.357599595 0.709337526 0.482369726 0.81257125 -6.737220652 stable

SLCO6A1 0.001147252 2.276091221 0.70932635 0.482376582 0.81257125 -6.737228614 stable

FOSB -0.362059714 9.498251469 -0.709302203 0.482391395 0.81257125 -6.737245813 stable

LINC01091 0.002083937 2.507027026 0.709286913 0.482400775 0.81257125 -6.737256703 stable

AMBRA1 0.023490244 8.44113502 0.709273308 0.482409121 0.81257125 -6.737266394 stable

RP9 -0.033514353 3.047068178 -0.709136424 0.482493099 0.812627485 -6.737363878 stable

LOC284798 0.001664027 2.381860867 0.709106261 0.482511605 0.812627485 -6.737385357 stable

ANXA3 -0.416392863 5.87222444 -0.708997994 0.482578034 0.812630228 -6.737462446 stable

WDR45B -0.030863299 11.1181817 -0.708990989 0.482582332 0.812630228 -6.737467433 stable

KRTAP8-1 0.001013422 2.143585867 0.708896349 0.482640404 0.812669836 -6.737534809 stable

AK026905 -0.115221312 7.0015537 -0.708777362 0.482713421 0.812734602 -6.737619505 stable

RP11-305O6.3 0.002503288 2.629082622 0.708568978 0.482841313 0.812818111 -6.737767802 stable

DNAJB8 -0.004720243 2.758532487 -0.708473146 0.482900135 0.812818111 -6.737835987 stable

6-Mar -0.037009428 11.68812872 -0.708455281 0.482911101 0.812818111 -6.737848697 stable

HPRT1 0.019071989 3.924793501 0.708417219 0.482934465 0.812818111 -6.737875775 stable

ZBED3-AS1 0.005606732 2.956901351 0.708415033 0.482935806 0.812818111 -6.73787733 stable

CDRT4 /// TVP23C /// TVP23C-CDRT4 0.093024307 6.920173886 0.70796157 0.483214207 0.813193658 -6.738199822 stable

ALPP /// ALPPL2 0.025589832 3.891277021 0.707921394 0.483238878 0.813193658 -6.738228385 stable

TRIM22 -0.025466363 13.55336322 -0.707880075 0.483264251 0.813193658 -6.738257758 stable

C16orf78 -0.005576214 2.740636748 -0.707775585 0.483328418 0.813193658 -6.738332032 stable

HMGN5 -0.016594379 3.261170517 -0.707770073 0.483331803 0.813193658 -6.73833595 stable

SELK 0.034907482 11.45845468 0.707435147 0.483537516 0.813481576 -6.73857395 stable

REEP1 -0.197958679 3.453813663 -0.707363455 0.483581556 0.813485372 -6.738624881 stable

NMT1 -0.026706457 10.95764052 -0.707283345 0.483630769 0.813485372 -6.738681786 stable

PBOV1 -0.004797491 2.821563548 -0.707189401 0.483688485 0.813485372 -6.738748508 stable

GJD4 0.005591794 3.292583493 0.707142908 0.48371705 0.813485372 -6.738781527 stable

UBA3 0.026785213 11.47215835 0.707104943 0.483740376 0.813485372 -6.738808487 stable

RARA-AS1 0.137848895 6.900581561 0.707049136 0.483774666 0.813485372 -6.738848115 stable

PRRG1 0.006259271 2.766040644 0.707011987 0.483797492 0.813485372 -6.738874492 stable

NUS1P3 0.029285747 5.033094201 0.706949639 0.483835804 0.813485372 -6.73891876 stable

SPP1 0.002981285 2.592286053 0.706924841 0.483851042 0.813485372 -6.738936365 stable

LOC283692 0.003292903 2.929211594 0.706685022 0.483998424 0.813588806 -6.739106594 stable

C9orf114 0.055620922 8.118389931 0.706663189 0.484011843 0.813588806 -6.739122089 stable

C6orf201 0.003667889 2.855523762 0.706655883 0.484016332 0.813588806 -6.739127274 stable

TLCD1 -0.008390785 3.148666884 -0.706561648 0.484074254 0.81362802 -6.739194146 stable

TUBB6 -0.175140016 9.131658021 -0.706347178 0.48420609 0.813744587 -6.739346308 stable

NACC2 0.087236174 10.39606516 0.706336265 0.484212799 0.813744587 -6.73935405 stable

PQLC1 -0.056727431 9.272518831 -0.706267368 0.484255155 0.813749642 -6.739402921 stable

LOC101927248 -0.001474007 2.462825861 -0.706218823 0.484285 0.813749642 -6.739437352 stable

RPL23AP32 0.053745804 4.969352311 0.70613925 0.484333924 0.813760982 -6.739493787 stable

SNX8 0.026570832 3.473361465 0.706040183 0.484394837 0.813760982 -6.739564038 stable

CCAR2 -0.005486368 3.220546403 -0.706039039 0.48439554 0.813760982 -6.739564848 stable

SLC5A7 0.001269181 2.242405667 0.705874376 0.484496796 0.813807801 -6.739681593 stable

FGD4 0.135382888 8.948278885 0.705778181 0.484555954 0.813807801 -6.739749783 stable

GTF2IRD2 -0.084440057 4.966836997 -0.705720715 0.484591297 0.813807801 -6.739790515 stable

ALOX12B 0.001702755 2.32495663 0.705714416 0.484595171 0.813807801 -6.739794979 stable

MOSPD3 -0.029265681 8.279870266 -0.705698871 0.484604732 0.813807801 -6.739805996 stable

IRX3 -0.123262 4.086536877 -0.705656154 0.484631005 0.813807801 -6.739836271 stable

RXRG 0.002445365 2.277271371 0.705439673 0.484764164 0.813973294 -6.739989668 stable

U91328.20 -0.019378963 6.234336698 -0.70527258 0.484866958 0.814004356 -6.740108037 stable

OR10C1 0.00096416 2.11171847 0.705264573 0.484871884 0.814004356 -6.740113709 stable

OR11A1 0.001366005 2.34751107 0.70524084 0.484886486 0.814004356 -6.740130519 stable

RADIL -0.01785059 2.821549182 -0.705002893 0.485032893 0.814192026 -6.740299028 stable

CBWD1 /// CBWD2 /// CBWD3 /// CBWD5 /// CBWD6 /// CBWD7 /// LOC101060578 -0.055388323 9.92650816 -0.704899604 0.485096453 0.814240611 -6.740372157 stable

REPS1 -0.118600652 8.487941052 -0.704635553 0.485258963 0.814455265 -6.740559061 stable

NDUFAF1 0.079106021 8.580264479 0.7043992 0.485404453 0.814582531 -6.740726301 stable

LOC101060405 /// RRN3P3 -0.054661662 8.954509364 -0.704371347 0.485421599 0.814582531 -6.740746005 stable

ALYREF -0.088500901 10.12157187 -0.704343593 0.485438686 0.814582531 -6.74076564 stable

CR1L -0.008235604 2.701558144 -0.704064168 0.485610727 0.814790503 -6.740963271 stable

C21orf15 /// LINC00417 0.010375444 3.333867878 0.704029773 0.485631906 0.814790503 -6.740987592 stable

STAT5A 0.031279767 10.42386908 0.703966207 0.48567105 0.814798057 -6.741032539 stable

FCF1 /// MAPK1IP1L -0.056860655 9.681490664 -0.703849859 0.485742699 0.814811554 -6.741114795 stable

CBR3-AS1 -0.020824726 2.823326929 -0.703840638 0.485748378 0.814811554 -6.741121314 stable

LINGO1 -0.012830556 4.229916945 -0.703742843 0.485808608 0.814854473 -6.741190443 stable

FAM149A -0.004514955 2.534595743 -0.703626586 0.485880213 0.814871049 -6.741272609 stable

HOOK3 0.039943542 5.621976206 0.703600699 0.485896159 0.814871049 -6.741290904 stable

TMEM145 0.001530173 2.099880955 0.703558059 0.485922424 0.814871049 -6.741321036 stable

SH3PXD2A 0.006619367 2.889332956 0.70349129 0.485963553 0.814881923 -6.741368216 stable

LOC101927310 0.004113435 2.68586445 0.703364492 0.486041665 0.814891776 -6.741457801 stable

B4GALNT3 0.004426036 2.757828771 0.703359172 0.486044943 0.814891776 -6.74146156 stable

TRRAP 0.045665713 9.283063258 0.703206981 0.486138708 0.814891776 -6.741569064 stable

SNF8 -0.040837065 10.04053217 -0.703130129 0.48618606 0.814891776 -6.741623342 stable

RP11-539I5.1 -0.008281198 2.986625157 -0.703116889 0.486194219 0.814891776 -6.741632693 stable

TACO1 0.090962649 7.47478493 0.703076961 0.486218822 0.814891776 -6.74166089 stable

HTR1B -0.001887013 2.37675638 -0.703009415 0.486260444 0.814891776 -6.741708587 stable

LINC00561 0.001281936 2.251139925 0.70286515 0.486349347 0.814891776 -6.741810443 stable

PITX3 -0.018027254 2.278486643 -0.702862522 0.486350967 0.814891776 -6.741812299 stable

RP11-456H18.2 -0.002458128 2.756728331 -0.702854409 0.486355967 0.814891776 -6.741818026 stable

LINC00636 -0.005760757 3.702784277 -0.702819114 0.48637772 0.814891776 -6.741842942 stable

TTTY13 -0.00108634 2.198118278 -0.70280702 0.486385173 0.814891776 -6.741851479 stable

CNN2 -0.060473784 11.35280772 -0.702675184 0.486466429 0.814969862 -6.741944535 stable

UQCR10 -0.026427311 12.43911431 -0.702597296 0.486514438 0.814992243 -6.741999504 stable

PLEKHA5 0.087387163 6.111671991 0.702465991 0.486595378 0.815069782 -6.742092158 stable

CILP -0.018053023 2.205862171 -0.702119849 0.486808787 0.815324685 -6.74233633 stable

IMPA2 -0.128923127 9.764372626 -0.702106721 0.486816882 0.815324685 -6.742345589 stable

CXXC4 -0.026950601 2.141769422 -0.70196543 0.486904009 0.815375353 -6.742445221 stable

FAM114A1 0.093315954 3.101949786 0.701945229 0.486916466 0.815375353 -6.742459464 stable

HOXA13 0.005215805 3.080616132 0.701824077 0.486991182 0.81541774 -6.742544877 stable

EBLN2 0.056973667 8.282581654 0.701736499 0.487045197 0.81541774 -6.742606611 stable

MOG 0.001813349 2.557715245 0.701735552 0.487045781 0.81541774 -6.742607279 stable

LOC100128653 0.013303961 4.125980022 0.701642173 0.487103378 0.815435943 -6.742673094 stable

DNAJC15 -0.064892868 10.14831876 -0.701584016 0.487139251 0.815435943 -6.74271408 stable

ZNF7 0.006430837 3.484522994 0.70154931 0.487160659 0.815435943 -6.742738537 stable

LINC00315 0.001178727 1.730816421 0.701446732 0.487223938 0.815483828 -6.742810816 stable

CES3 -0.013253834 5.347928457 -0.701326214 0.48729829 0.81555024 -6.742895724 stable

TACR1 -0.003448433 2.879876539 -0.701053581 0.48746651 0.81577373 -6.743087747 stable

THUMPD3 -0.073399572 9.027560924 -0.70086043 0.487585707 0.815901655 -6.743223745 stable

LOC101928676 /// MAEA 0.032215911 10.97542595 0.700817296 0.487612328 0.815901655 -6.74325411 stable

SATB1 -0.07541439 13.54596076 -0.700722222 0.487671008 0.815941796 -6.743321034 stable

RBP4 0.005741159 2.946709434 0.700599202 0.487746942 0.816010799 -6.743407617 stable

RP11-389G6.3 -0.002450196 2.887968995 -0.70044655 0.487841176 0.816110406 -6.743515035 stable

NHP2L1 0.035647125 10.09405957 0.700384748 0.48787933 0.816115189 -6.743558517 stable

AP006216.12 /// APOA1-AS -0.000986342 2.06378437 -0.700329515 0.48791343 0.816115189 -6.743597374 stable

PTMS 0.036873018 4.549391036 0.700167087 0.488013718 0.816168875 -6.743711627 stable

ASB2 0.06292589 3.938795576 0.700149246 0.488024734 0.816168875 -6.743724174 stable

SRPRB 0.06307229 10.12582377 0.700108937 0.488049625 0.816168875 -6.743752524 stable

LOC101928837 0.005472665 2.89013841 0.700014941 0.488107668 0.81620791 -6.743818624 stable

RP11-7F17.4 0.004710864 2.987403094 0.699730075 0.4882836 0.816444058 -6.744018895 stable

ST3GAL5 0.043211313 9.620684357 0.699608523 0.488358681 0.816472264 -6.744104327 stable

LINC01012 0.002680332 2.48351685 0.699590371 0.488369894 0.816472264 -6.744117084 stable

CACNA2D1 0.019624755 2.144531762 0.699194695 0.488614345 0.816785246 -6.744395073 stable

AAMDC 0.004034539 3.412236758 0.699174936 0.488626555 0.816785246 -6.744408952 stable

ADAM5 0.001268452 2.285200505 0.699112507 0.48866513 0.816791681 -6.744452797 stable

DCXR 0.052906833 10.03324538 0.698981593 0.488746029 0.816868852 -6.744544728 stable

RPA4 -0.05107311 2.700668384 -0.698855064 0.488824226 0.816941497 -6.744633565 stable

RP11-400N13.1 0.001374417 2.372977717 0.698703808 0.488917714 0.817009955 -6.744739742 stable

KIAA1652 0.001154582 2.137066896 0.698676393 0.488934659 0.817009955 -6.744758984 stable

CST9 0.001695262 2.667420458 0.698475395 0.489058909 0.817135724 -6.744900038 stable

NDUFA12 0.037969301 12.19729395 0.698442239 0.489079407 0.817135724 -6.744923302 stable

ARMC10 -0.038800666 8.93284654 -0.698364781 0.489127294 0.817157687 -6.744977646 stable

STK11 -0.028146228 7.322930172 -0.698185823 0.489237943 0.817284492 -6.745103181 stable

NUDT12 0.003572705 2.943483275 0.698069844 0.48930966 0.817346247 -6.745184521 stable

LOC101060391 -0.072394302 2.869051615 -0.697956908 0.4893795 0.817404859 -6.745263713 stable

PLIN2 -0.055301205 10.27996993 -0.697787065 0.489484544 0.817522257 -6.745382787 stable

CKMT2-AS1 -0.098025355 7.501810165 -0.697677963 0.489552027 0.817576911 -6.745459261 stable

EFCAB5 0.003835052 3.021546256 0.697556538 0.489627138 0.817591409 -6.745544359 stable

ADAMTS4 -0.001065697 2.064506721 -0.697551543 0.489630228 0.817591409 -6.745547859 stable

RP11-731J8.2 0.002989787 2.767601118 0.697454744 0.489690111 0.817617871 -6.745615689 stable

DIRC2 0.108047941 8.745959784 0.697345258 0.489757848 0.817617871 -6.745692396 stable

C12orf76 0.006540944 3.30408365 0.69715828 0.489873539 0.817617871 -6.745823369 stable

PSD -0.018895932 3.80333384 -0.697116722 0.489899255 0.817617871 -6.745852475 stable

RP11-85A1.3 -0.013418019 3.165151398 -0.697057607 0.489935836 0.817617871 -6.745893874 stable

RAB3IP 0.012762405 3.552497639 0.697029065 0.489953499 0.817617871 -6.745913861 stable

MB 0.00401919 2.347591286 0.696912639 0.490025551 0.817617871 -6.745995381 stable

ARHGEF37 -0.020524849 2.968992682 -0.696894247 0.490036934 0.817617871 -6.746008259 stable

TCEA1 -0.081310295 7.367569712 -0.696798474 0.490096209 0.817617871 -6.746075306 stable

CYB5R4 -0.063589452 10.72752705 -0.696763505 0.490117853 0.817617871 -6.746099785 stable

TPBG -0.049707464 3.513788801 -0.696645047 0.490191177 0.817617871 -6.746182699 stable

ARHGAP39 -0.020014142 3.494418724 -0.696643152 0.49019235 0.817617871 -6.746184025 stable

FGF18 -0.022021764 4.378567959 -0.696628508 0.490201414 0.817617871 -6.746194273 stable

DKFZP434C153 /// OBSCN -0.021927928 2.712723301 -0.696605046 0.490215938 0.817617871 -6.746210693 stable

BAMBI -0.159861147 4.100198662 -0.696587295 0.490226926 0.817617871 -6.746223116 stable

IL13RA2 0.001387713 2.286903588 0.696544269 0.490253561 0.817617871 -6.746253225 stable

ENTHD1 0.009881143 3.573664189 0.696485111 0.490290184 0.817617871 -6.746294622 stable

MMRN1 -0.214637169 6.460441741 -0.696424795 0.490327525 0.817617871 -6.746336824 stable

PMCHL2 0.003578744 2.956340245 0.696417141 0.490332263 0.817617871 -6.746342179 stable

NR6A1 0.003940374 2.77428262 0.696347671 0.490375274 0.817617871 -6.746390781 stable

SMCR5 0.001877137 2.691260095 0.696338368 0.490381034 0.817617871 -6.74639729 stable

PCBP2 0.020343055 13.91599418 0.696263694 0.490427269 0.817617871 -6.746449527 stable

CTD-2587H24.10 -0.007158994 2.760115129 -0.696234117 0.490445582 0.817617871 -6.746470216 stable

PLD3 -0.069249058 10.17733113 -0.695971605 0.490608142 0.817814715 -6.746653803 stable

MAGI3 0.001542616 2.2494021 0.6959004 0.49065224 0.817814715 -6.746703588 stable

TSPAN15 -0.008876223 2.912301182 -0.695875006 0.490667968 0.817814715 -6.746721342 stable

GPR133 -0.15059485 4.52754152 -0.695811172 0.490707504 0.81782266 -6.746765968 stable

MIOS 0.032143677 9.388989892 0.695695554 0.490779117 0.81783576 -6.746846786 stable

NPDC1 -0.092855149 8.055790836 -0.695558677 0.490863906 0.81783576 -6.746942446 stable

KIAA1430 0.007327438 3.262444925 0.695490979 0.490905844 0.81783576 -6.746989752 stable

PPP1R15B 0.036242201 11.07882494 0.695476386 0.490914885 0.81783576 -6.746999949 stable

VPS53 0.065747829 5.277725167 0.695427936 0.490944901 0.81783576 -6.747033801 stable

ITGB1BP2 -0.033295045 3.787742582 -0.695328512 0.491006501 0.81783576 -6.747103263 stable

PP2D1 0.006122646 2.973656453 0.695300624 0.49102378 0.81783576 -6.747122745 stable

KEL -0.001191468 2.237074693 -0.695273421 0.491040635 0.81783576 -6.747141747 stable

TTTY2 /// TTTY2B 0.004620857 2.239079384 0.695264246 0.49104632 0.81783576 -6.747148156 stable

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LOC101928762 0.055570954 6.719833827 0.695055709 0.491175541 0.81783576 -6.747293803 stable

CMA1 0.001525274 2.490636879 0.694988449 0.491217223 0.81783576 -6.74734077 stable

ARL2 -0.039905617 7.733834674 -0.694914076 0.491263316 0.81783576 -6.747392699 stable

LINC01128 0.057651492 7.951893144 0.694708542 0.491390707 0.81783576 -6.747536178 stable

LAMTOR5-AS1 -0.023588654 2.587676099 -0.694699681 0.491396199 0.81783576 -6.747542362 stable

ASL 0.082300324 8.524390201 0.694626734 0.491441418 0.81783576 -6.747593275 stable

DLEU2L -0.011304128 2.981149819 -0.694600479 0.491457693 0.81783576 -6.747611598 stable

CCDC11 0.043562218 4.428167366 0.694578378 0.491471393 0.81783576 -6.747627022 stable

MEP1B 0.002745906 2.549768698 0.694568277 0.491477655 0.81783576 -6.747634071 stable

LINC00906 -0.004584375 3.243326573 -0.694527 0.491503244 0.81783576 -6.747662875 stable

AK025117 /// GPATCH2L 0.049408947 5.550745379 0.694505181 0.49151677 0.81783576 -6.747678099 stable

POSTN 0.001598004 2.336982756 0.694500594 0.491519614 0.81783576 -6.7476813 stable

EP300 0.072223611 9.959412285 0.694477904 0.491533681 0.81783576 -6.747697133 stable

EEFSEC -0.041947153 9.176426012 -0.694373042 0.491598693 0.81783576 -6.747770295 stable

PDE1C 0.003439099 2.773221369 0.694372121 0.491599263 0.81783576 -6.747770938 stable

STK31 0.002389951 2.702138785 0.694334398 0.491622652 0.81783576 -6.747797254 stable

CT47A1 /// CT47A10 /// CT47A11 /// CT47A12 /// CT47A2 /// CT47A3 /// CT47A4 /// CT47A5 /// CT47A6 /// CT47A7 /// CT47A8 /// CT47A9 0.008318509 3.311835938 0.694283571 0.491654167 0.81783576 -6.747832711 stable

UCKL1 -0.043328444 9.445581995 -0.694134221 0.491746774 0.817892912 -6.747936881 stable

LOC100507487 /// LOC101927184 -0.043844159 2.786731352 -0.69408548 0.491776999 0.817892912 -6.747970873 stable

EPHA5 0.002552364 2.685974139 0.694044286 0.491802545 0.817892912 -6.7479996 stable

CHST5 -0.004369166 2.646453679 -0.694003859 0.491827616 0.817892912 -6.74802779 stable

AGT -0.010956133 2.99669909 -0.693917211 0.491881353 0.817924446 -6.748088204 stable

LINC00518 0.003147952 2.74683845 0.693817332 0.4919433 0.817965858 -6.748157836 stable

ZFYVE27 0.046712 8.178684319 0.69376492 0.491975809 0.817965858 -6.748194372 stable

GRK4 0.013847606 3.540762706 0.693697753 0.492017471 0.817977306 -6.748241188 stable

HSF2 0.066413522 9.389864056 0.693624315 0.492063026 0.817995224 -6.748292372 stable

PPP1R26 0.070051296 5.919275441 0.693564048 0.492100411 0.81799956 -6.748334371 stable

LPHN1 0.084707572 6.909455547 0.69337349 0.492218632 0.81806576 -6.748467145 stable

ALG9 -0.046620836 7.942977175 -0.693364691 0.492224092 0.81806576 -6.748473275 stable

NWD2 0.00267507 2.636346353 0.693292393 0.492268949 0.81806576 -6.74852364 stable

RTCB -0.036440939 10.36478974 -0.693275618 0.492279358 0.81806576 -6.748535325 stable

SLC45A4 0.062308373 7.923596717 0.693186352 0.492334747 0.818100006 -6.748597502 stable

LOC101927166 -0.044581492 2.47001014 -0.692969203 0.492469502 0.818266117 -6.74874872 stable

ADSSL1 0.0522532 4.79906505 0.692777847 0.492588267 0.818367734 -6.748881939 stable

CHCHD5 -0.013579379 2.267480693 -0.69269317 0.492640828 0.818367734 -6.748940878 stable

C14orf64 -0.143403184 7.94291193 -0.692666887 0.492657143 0.818367734 -6.748959171 stable

ASPG 0.001670023 2.159682235 0.692463651 0.492783309 0.818367734 -6.749100599 stable

IPO9-AS1 -0.020601054 2.448305081 -0.692449021 0.492792392 0.818367734 -6.749110778 stable

KIAA1107 0.057504094 3.638996213 0.692427542 0.492805727 0.818367734 -6.749125722 stable

NREP -0.079668979 7.716879992 -0.692424776 0.492807444 0.818367734 -6.749127647 stable

RP1-217P22.2 0.013549839 3.571749899 0.692376697 0.492837295 0.818367734 -6.749161096 stable

TSEN34 0.065405555 10.17407519 0.692310965 0.492878107 0.818367734 -6.749206824 stable

SUCLG2-AS1 0.006727029 2.947246267 0.692310186 0.49287859 0.818367734 -6.749207366 stable

ZNF83 -0.104457123 10.10175007 -0.692213479 0.492938638 0.818398913 -6.749274633 stable

FAM169B 0.002971825 2.237840363 0.692024359 0.493056078 0.818398913 -6.749406156 stable

ZNF596 -0.011720649 2.987839314 -0.692018379 0.493059792 0.818398913 -6.749410314 stable

KCNH5 0.002005494 2.555315798 0.691920018 0.493120878 0.818398913 -6.749478704 stable

RAD54L 0.002864223 2.554865949 0.691829754 0.49317694 0.818398913 -6.749541456 stable

ALKBH2 -0.064196851 6.316253293 -0.691771968 0.493212832 0.818398913 -6.749581624 stable

CLDN15 -0.036988303 1.91999376 -0.691622222 0.493305849 0.818398913 -6.749685702 stable

C3orf67 0.011582721 3.508379482 0.691620624 0.493306842 0.818398913 -6.749686813 stable

TDRD10 0.013263374 2.886405755 0.691592764 0.493324149 0.818398913 -6.749706174 stable

KATNAL2 0.004834654 2.683835232 0.691559176 0.493345015 0.818398913 -6.749729515 stable

PER4 0.003196323 2.791391525 0.691527934 0.493364423 0.818398913 -6.749751224 stable

AP001062.7 /// C21orf2 0.000887994 1.929690197 0.691495427 0.493384618 0.818398913 -6.749773812 stable

CXorf40A /// CXorf40B 0.024765045 9.660442365 0.691429136 0.493425802 0.818398913 -6.749819871 stable

AC010980.2 /// LOC440934 /// LOC440934 -0.014637924 3.31556114 -0.69138145 0.493455429 0.818398913 -6.749853 stable

TSPAN3 0.00437392 2.943871624 0.691340998 0.493480563 0.818398913 -6.749881102 stable

AMZ2 0.034538239 10.83115382 0.691332739 0.493485694 0.818398913 -6.749886839 stable

POU3F2 0.014263666 4.394353258 0.69128191 0.493517276 0.818398913 -6.749922147 stable

KIAA1161 -0.036697686 5.030294202 -0.691271624 0.493523667 0.818398913 -6.749929292 stable

PCBD1 0.118908855 6.307760789 0.691209448 0.493562301 0.818405279 -6.749972479 stable

PRDM14 -0.00203751 2.369915243 -0.691106482 0.493626284 0.818405859 -6.750043988 stable

EFCAB12 0.00220223 2.95810339 0.691096898 0.49363224 0.818405859 -6.750050645 stable

DZIP1 0.010737066 2.749023826 0.690870985 0.49377264 0.81852397 -6.750207503 stable

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CABP2 0.005987434 3.274888423 0.690665349 0.493900457 0.818577105 -6.750350238 stable

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HMCN1 0.003662204 2.791205781 0.690538771 0.493979143 0.818577105 -6.750438078 stable

OBFC1 0.042536359 9.883769939 0.690163879 0.494212233 0.818833785 -6.750698145 stable

APBA3 -0.039685643 8.639652904 -0.690153076 0.49421895 0.818833785 -6.750705637 stable

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ARL4D 0.028235645 5.584254036 0.689842664 0.494411997 0.818833785 -6.750920865 stable

ZNF713 -0.014855641 3.366641534 -0.689841787 0.494412542 0.818833785 -6.750921473 stable

AX748294 /// RP11-1006G14.1 -0.053894861 3.219244643 -0.689701589 0.494499746 0.818920547 -6.75101865 stable

SLC22A12 0.001279624 2.403218745 0.689625587 0.494547024 0.818941182 -6.751071323 stable

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LOC101927237 0.007217824 3.063630727 0.689472124 0.494642493 0.81895829 -6.75117766 stable

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HOXB13 0.001218933 2.303612744 0.68935273 0.494716775 0.81895829 -6.751260376 stable

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SLC17A1 0.029689097 4.126777501 0.68908955 0.494880537 0.81895829 -6.751442655 stable

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FZD1 0.1672266 8.340036321 0.688948269 0.494968461 0.81895829 -6.751540479 stable

PHLPP1 0.006036813 3.304673123 0.688942019 0.49497235 0.81895829 -6.751544806 stable

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MYPN -0.005648987 3.351471803 -0.688824517 0.495045482 0.81895829 -6.751626149 stable

RER1 -0.03593766 10.60620426 -0.68874267 0.495096427 0.81895829 -6.751682801 stable

SERPINB8 -0.032069815 2.700034271 -0.688734468 0.495101532 0.81895829 -6.751688478 stable

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LOC728084 -0.032918391 2.313527495 -0.688574393 0.495201177 0.81895829 -6.751799257 stable

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MEG9 0.001325323 2.284254662 0.688494889 0.495250671 0.81895829 -6.751854269 stable

LOC400684 0.001414184 2.353461224 0.688489994 0.495253719 0.81895829 -6.751857656 stable

EEF1D 0.037388879 14.01555638 0.68814256 0.495470043 0.819088584 -6.752097981 stable

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KRTAP7-1 -0.005639402 2.325027211 -0.687978718 0.495572076 0.819088584 -6.752211272 stable

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COL16A1 -0.02422929 3.436617989 -0.687916601 0.495610762 0.819088584 -6.752254217 stable

HMGN4 0.032421002 12.03857075 0.687916055 0.495611102 0.819088584 -6.752254594 stable

NCAPD2 0.044095508 9.038374092 0.687840222 0.495658333 0.819109088 -6.752307017 stable

OR8D2 0.001081132 2.173836335 0.687660054 0.495770556 0.819236986 -6.752431542 stable

CPSF3 0.040255839 9.1899877 0.687511619 0.495863024 0.819314033 -6.75253411 stable

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SLC30A8 0.001155447 2.249305469 0.68736092 0.495956912 0.819314033 -6.752638221 stable

CENPE -0.043076307 2.228646491 -0.687263667 0.496017508 0.819314033 -6.752705397 stable

RBM11 -0.102366022 4.891029503 -0.687232756 0.496036769 0.819314033 -6.752726746 stable

IMMT 0.027685856 10.96746889 0.68722452 0.496041901 0.819314033 -6.752732434 stable

AURKA 0.04749756 3.203650637 0.687193844 0.496061015 0.819314033 -6.75275362 stable

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OTUB2 0.001153626 2.091993916 0.686999362 0.49618221 0.819399127 -6.752887914 stable

CREBZF -0.031939535 7.466673433 -0.686874836 0.496259819 0.819469756 -6.752973882 stable

LOC101927424 /// LOC101929800 /// LOC440896 /// PGM5 0.001921398 2.505679498 0.686666474 0.496389693 0.819615737 -6.753117693 stable

KIF14 -0.069232451 3.308636019 -0.686621198 0.496417916 0.819615737 -6.753148937 stable

BC039545 /// RP11-1008C21.1 0.015313993 2.098474809 0.68654993 0.496462343 0.819631556 -6.753198113 stable

GOLGA8A /// GOLGA8B /// LOC101930583 -0.113578826 9.686665402 -0.686346728 0.496589029 0.819783166 -6.753338299 stable

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GPIHBP1 -0.00267096 2.390263125 -0.685834682 0.496908342 0.820195165 -6.753691372 stable

SPG21 -0.06160004 8.347862002 -0.685493425 0.497121213 0.820488952 -6.753926537 stable

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TEX13A -0.001137154 2.203290383 -0.685316512 0.497231589 0.820498401 -6.754048405 stable

MYH7 0.00105938 2.049480936 0.685153774 0.497333133 0.82057984 -6.754160482 stable

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HLA-DQB1 /// HLA-DRB1 /// HLA-DRB3 /// HLA-DRB4 /// LOC100996809 /// LOC101060835 -0.049288674 14.76042118 -0.684861577 0.497515485 0.820794117 -6.754361651 stable

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SHMT1 -0.004243717 2.468132252 -0.684208934 0.497922915 0.821351068 -6.754810675 stable

CLK2 0.02991819 10.62572534 0.684140942 0.497965371 0.821363498 -6.75485743 stable

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PHF20 -0.050424993 8.849467937 -0.683811243 0.498171274 0.821530291 -6.755084085 stable

KNCN 0.001293498 2.32226093 0.683657326 0.498267414 0.821631228 -6.75518986 stable

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LOC285556 0.003406205 2.719273351 0.683414564 0.49841907 0.821765609 -6.755356644 stable

DNAJC27 -0.050050828 7.100910325 -0.68335577 0.498455802 0.821765609 -6.755397029 stable

PTPN18 -0.098352939 4.543564814 -0.683303185 0.498488657 0.821765609 -6.755433145 stable

ZNF473 0.074328493 5.546698638 0.68301669 0.49866768 0.822003119 -6.75562987 stable

CFHR3 0.008009308 3.377513466 0.682876883 0.498755054 0.822038753 -6.75572584 stable

PAIP2B -0.03949051 5.892083821 -0.682870257 0.498759196 0.822038753 -6.755730388 stable

LOC151657 0.05690924 2.912531216 0.682674791 0.498881369 0.822073958 -6.755864532 stable

RUNDC3B 0.006320079 2.991500994 0.682629025 0.498909978 0.822073958 -6.755895936 stable

LOC100129518 /// SOD2 0.159977547 3.152295735 0.682607197 0.498923622 0.822073958 -6.755910912 stable

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ZFP69B 0.061158436 3.476517894 0.682377925 0.499066954 0.822146827 -6.756068194 stable

ERCC8 0.008075362 3.362989742 0.682373941 0.499069444 0.822146827 -6.756070926 stable

MTMR3 0.055943584 9.410417532 0.682253475 0.499144765 0.822167546 -6.756153545 stable

TCR-alpha /// TRAV13-1 /// TRAV13-1 0.091022843 8.06012323 0.682242014 0.499151931 0.822167546 -6.756161405 stable

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FNDC8 -0.007998334 2.719631095 -0.681654522 0.499519346 0.822542595 -6.756564113 stable

WARS 0.130684769 11.51354547 0.681654257 0.499519511 0.822542595 -6.756564295 stable

USP20 0.052130141 8.787702226 0.681493349 0.499620169 0.822590333 -6.756674533 stable

MLPH 0.010095692 2.115157022 0.681453278 0.499645237 0.822590333 -6.756701982 stable

NPTN-IT1 0.107821766 7.267029615 0.681440198 0.49965342 0.822590333 -6.756710941 stable

LINC01142 -0.008207434 2.581732218 -0.681370807 0.499696833 0.822604228 -6.75675847 stable

FRMD1 -0.006822114 3.137460487 -0.681256051 0.499768632 0.82261957 -6.75683706 stable

RP11-552F3.10 0.001989356 2.326286024 0.681160178 0.499828621 0.82261957 -6.756902709 stable

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NTN3 -0.011602443 2.315461409 -0.680954444 0.499957366 0.82261957 -6.757043553 stable

ISG20L2 -0.055447272 9.551226216 -0.680735646 0.500094305 0.82261957 -6.757193296 stable

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ATP6V1E1 0.048075948 11.17550085 0.680550822 0.500209998 0.82261957 -6.757319751 stable

FOXO4 -0.036269374 8.359101347 -0.680530787 0.50022254 0.82261957 -6.757333456 stable

HNRNPA3P1 0.017177645 5.115256167 0.680526708 0.500225093 0.82261957 -6.757336247 stable

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IL12A-AS1 -0.002604629 2.82455779 -0.680181084 0.500441483 0.82261957 -6.757572621 stable

TUBB2A -0.254764328 7.284426068 -0.680142085 0.500465903 0.82261957 -6.757599285 stable

LOC101928052 0.006307035 3.441439938 0.680013553 0.50054639 0.82261957 -6.757687155 stable

TRIM38 0.03185482 11.47616838 0.680012313 0.500547167 0.82261957 -6.757688002 stable

TMEM200B 0.041479868 6.000604319 0.679983526 0.500565194 0.82261957 -6.757707679 stable

KIAA2018 0.017660522 3.328518874 0.679853903 0.500646373 0.82261957 -6.757796274 stable

LOC100505782 0.003058528 2.729994453 0.679847687 0.500650267 0.82261957 -6.757800523 stable

SMIM19 -0.05525168 10.54243702 -0.679843198 0.500653078 0.82261957 -6.75780359 stable

EXTL3-AS1 0.028678358 3.970652727 0.679748258 0.500712541 0.82261957 -6.757868468 stable

TIMM10B 0.060604514 8.289807955 0.679723537 0.500728025 0.82261957 -6.75788536 stable

RP11-295G20.2 0.165675737 4.983872807 0.679612797 0.500797391 0.82261957 -6.757961021 stable

GABRA2 0.005889894 3.245854266 0.679599389 0.50080579 0.82261957 -6.757970181 stable

SCAMP2 0.050281735 10.69298627 0.679594858 0.500808628 0.82261957 -6.757973276 stable

LOC100507277 0.00099628 2.139469327 0.679568219 0.500825315 0.82261957 -6.757991475 stable

LOC101928495 0.004647691 3.111436376 0.679179948 0.50106857 0.822819423 -6.758256643 stable

ZNF532 -0.112942213 6.891061454 -0.67914233 0.501092141 0.822819423 -6.758282326 stable

ZNF503-AS1 -0.001734125 2.636095763 -0.679074545 0.501134617 0.822819423 -6.758328601 stable

LOC101928858 0.001279089 2.401111544 0.679049844 0.501150095 0.822819423 -6.758345463 stable

OVCH1-AS1 0.004409342 2.491905661 0.679037365 0.501157915 0.822819423 -6.758353981 stable

FZD6 0.158948944 4.453036026 0.678923013 0.501229577 0.822819423 -6.758432034 stable

CASP1 0.090966746 11.72222689 0.678885309 0.501253206 0.822819423 -6.758457766 stable

PACSIN3 0.0016221 2.595143877 0.678873959 0.50126032 0.822819423 -6.758465512 stable

LINC00936 -0.127935156 8.874939297 -0.678871548 0.501261831 0.822819423 -6.758467157 stable

TMTC4 0.124927519 3.167823048 0.678809754 0.50130056 0.822825573 -6.758509327 stable

CYTL1 0.025861713 2.374032863 0.678702586 0.50136773 0.822878401 -6.758582451 stable

ANLN 0.009383007 2.839481876 0.678451407 0.501525182 0.823079388 -6.758753796 stable

NIPAL2 -0.083506491 6.631400579 -0.678366609 0.501578343 0.823109203 -6.758811628 stable

LOC100288490 0.00311915 1.958021291 0.678309562 0.501614109 0.823110469 -6.75885053 stable

KIF2C -0.067650428 2.635758219 -0.678151177 0.501713417 0.823215994 -6.758958521 stable

STYK1 0.036831128 3.143009798 0.677908732 0.501865451 0.823407378 -6.759123777 stable

6-Sep -0.067112939 11.3547714 -0.677851118 0.501901583 0.823407378 -6.75916304 stable

MTUS2 -0.013505389 3.261475811 -0.677797712 0.501935079 0.823407378 -6.759199432 stable

RP11-727F15.11 0.00126048 2.398953036 0.67741055 0.502177933 0.823748321 -6.759463169 stable

AQP12A /// AQP12B 0.03773635 3.837551875 0.677324216 0.502232097 0.823754117 -6.759521961 stable

SPANXA1 /// SPANXA2 /// SPANXB1 /// SPANXC -0.007874534 3.110607339 -0.677258485 0.502273337 0.823754117 -6.759566717 stable

DEPDC7 0.113739562 3.952933958 0.677237453 0.502286533 0.823754117 -6.759581037 stable

CDHR5 -0.015284451 2.560319344 -0.67710981 0.502366624 0.823774107 -6.759667934 stable

FUT4 -0.09184654 8.015295206 -0.677106392 0.502368768 0.823774107 -6.759670261 stable

TMCO3 0.09597983 7.370027916 0.676997734 0.502436952 0.823784728 -6.759744221 stable

ASCL3 0.001081861 2.197160526 0.676984444 0.502445292 0.823784728 -6.759753266 stable

BNIP1 0.055009275 7.150138918 0.676782322 0.50257214 0.823873309 -6.75989081 stable

CTTN -0.008482674 2.715210116 -0.676779353 0.502574003 0.823873309 -6.75989283 stable

LOC100130642 -0.004493813 2.44716157 -0.676730921 0.502604401 0.823873309 -6.759925782 stable

LINC01207 0.001621952 2.218129258 0.676608282 0.502681378 0.823887138 -6.760009212 stable

MYOM1 -0.005060638 2.371602297 -0.676586208 0.502695234 0.823887138 -6.760024227 stable

HRH2 0.06943453 5.494198555 0.676535724 0.502726924 0.823887138 -6.760058566 stable

AX747031 -0.006308201 2.498851199 -0.676462844 0.502772674 0.823887138 -6.760108133 stable

LGALS3BP -0.109148428 8.491310878 -0.676349994 0.50284352 0.823887138 -6.760184875 stable

PRIMA1 -0.001962735 2.18566885 -0.676343918 0.502847334 0.823887138 -6.760189006 stable

USP8 0.022673824 10.13853889 0.67632688 0.502858031 0.823887138 -6.760200591 stable

TMEM192 /// ZNF320 -0.039021264 10.19791903 -0.676150854 0.50296855 0.824010815 -6.760320265 stable

DNAJC3 0.061060417 9.840173915 0.675974833 0.50307908 0.824085249 -6.760439906 stable

BAI1 -0.030281275 3.774083232 -0.675966909 0.503084056 0.824085249 -6.760445291 stable

MRPL57 -0.028981683 11.11688928 -0.675710932 0.503244818 0.824251381 -6.760619221 stable

AFF4 0.034235128 4.263740781 0.67568401 0.503261727 0.824251381 -6.76063751 stable

PIGF 0.020856685 9.447202044 0.675634468 0.503292845 0.824251381 -6.760671164 stable

MAPT -0.022652153 2.968439463 -0.675522809 0.503362982 0.824251381 -6.760747004 stable

CTSE 0.02778678 2.844430111 0.675501958 0.503376081 0.824251381 -6.760761166 stable

IGSF8 0.066172639 8.049223087 0.67547067 0.503395736 0.824251381 -6.760782415 stable

RP11-111J6.2 0.016087637 3.739441241 0.675378864 0.503453408 0.824278816 -6.760844757 stable

RP11-517B11.7 0.020805136 4.571401747 0.675293545 0.50350701 0.824278816 -6.760902687 stable

TEKT2 0.001361938 2.118443602 0.675233154 0.503544952 0.824278816 -6.760943687 stable

CATSPER3 0.002419851 2.602559127 0.675034143 0.503669997 0.824278816 -6.761078772 stable

OPN4 0.001031985 2.135011402 0.67495727 0.503718304 0.824278816 -6.761130941 stable

TDO2 -0.00182645 2.452226765 -0.674888899 0.50376127 0.824278816 -6.761177336 stable

PLG -0.010536939 2.942504493 -0.674867526 0.503774702 0.824278816 -6.761191838 stable

GNB1 0.022275803 11.77899912 0.674862751 0.503777703 0.824278816 -6.761195079 stable

MBIP -0.040794272 8.35315902 -0.674835891 0.503794583 0.824278816 -6.761213303 stable

IL12A -0.005916646 2.886389671 -0.674787672 0.503824888 0.824278816 -6.761246018 stable

EBPL -0.066793312 10.02157292 -0.674727578 0.503862656 0.824278816 -6.761286787 stable

STARD13-AS 0.001263438 2.282141431 0.674720894 0.503866857 0.824278816 -6.761291321 stable

HIF1AN 0.044427491 7.34102421 0.674681172 0.503891823 0.824278816 -6.761318267 stable

SNX1 0.046598908 10.82998405 0.674624234 0.503927611 0.824278816 -6.761356888 stable

LINC01312 -0.031691307 4.420348357 -0.674512121 0.503998083 0.824278816 -6.761432926 stable

ZNF329 -0.057438671 7.719364031 -0.674505906 0.504001989 0.824278816 -6.761437141 stable

ISM1-AS1 0.003258604 2.889272356 0.674495955 0.504008245 0.824278816 -6.76144389 stable

PAX3 0.004566388 3.404481746 0.674277721 0.504145439 0.82437132 -6.761591863 stable

COL11A1 0.001027071 2.159564523 0.674197092 0.504196132 0.82437132 -6.761646521 stable

LOC100506870 /// LOC283140 -0.020835777 6.849112718 -0.674181389 0.504206005 0.82437132 -6.761657166 stable

ELL2 0.001221222 2.270974092 0.674131619 0.504237298 0.82437132 -6.761690901 stable

NPHP4 -0.050143997 5.590868903 -0.67404935 0.504289027 0.82437132 -6.761746659 stable

UQCRQ 0.037430106 11.33229346 0.674026487 0.504303404 0.82437132 -6.761762154 stable

SPRR1B 0.002575153 2.359042267 0.673959855 0.504345304 0.82437132 -6.761807308 stable

RP11-474P2.2 -0.006565252 3.471070638 -0.673894898 0.504386152 0.82437132 -6.761851323 stable

KCNB1 -0.00355268 2.849423021 -0.673810726 0.504439086 0.82437132 -6.761908351 stable

LINC00669 0.008611665 3.426725115 0.673805467 0.504442394 0.82437132 -6.761911914 stable

DHX57 -0.07033959 7.748398139 -0.673792835 0.504450338 0.82437132 -6.761920472 stable

LOC100289092 -0.006183283 2.683969997 -0.673729197 0.504490362 0.82437945 -6.761963583 stable

LOC101927490 0.003954773 2.969751445 0.673648095 0.504541371 0.824405529 -6.762018518 stable

UGT2A1 /// UGT2A2 0.007802653 2.523912276 0.673569311 0.504590926 0.824408453 -6.762071878 stable

FAM230C 0.001747302 2.412951622 0.673511253 0.504627445 0.824408453 -6.762111195 stable

MTM1 -0.031127685 5.24413837 -0.673474061 0.504650841 0.824408453 -6.762136381 stable

HIST1H2BM -0.007189083 3.583646668 -0.673422365 0.50468336 0.824408453 -6.762171385 stable

CRB2 0.000873254 2.015091831 0.673305663 0.504756777 0.824471121 -6.762250398 stable

NDRG1 0.034280127 11.09777458 0.673057142 0.50491314 0.824628976 -6.762418613 stable

TM6SF1 -0.106359153 9.825311019 -0.672868576 0.505031798 0.824628976 -6.762546207 stable

GPC5 0.002423056 2.806441953 0.672795654 0.50507769 0.824628976 -6.76259554 stable

LINC01449 0.002201824 2.556377642 0.672745342 0.505109353 0.824628976 -6.762629573 stable

CACTIN -0.027947234 8.179262505 -0.672744117 0.505110124 0.824628976 -6.762630403 stable

CYP27B1 -0.006452715 2.238387269 -0.672743732 0.505110366 0.824628976 -6.762630663 stable

DGCR5 /// LOC100287576 -0.017755938 3.131899106 -0.672711972 0.505130355 0.824628976 -6.762652146 stable

MRPS10 -0.037722646 10.17415302 -0.672682675 0.505148794 0.824628976 -6.762671962 stable

TPM2 -0.125542612 7.808688211 -0.672546359 0.505234593 0.824628976 -6.762764153 stable

SRI 0.123520882 7.782535583 0.672505567 0.50526027 0.824628976 -6.762791738 stable

SNCAIP 0.006083596 2.778973536 0.672472781 0.505280908 0.824628976 -6.762813907 stable

LOC284933 0.00266528 2.503297007 0.672434257 0.505305158 0.824628976 -6.762839955 stable

SHROOM3 0.00194818 2.551465043 0.672360604 0.505351524 0.824628976 -6.762889752 stable

ABCC6 /// LOC101930322 0.001060714 2.277374577 0.6722609 0.505414292 0.824628976 -6.762957153 stable

TMEM74B 0.002365425 2.734759528 0.672233665 0.505431438 0.824628976 -6.762975562 stable

KB-1000E4.2 0.004392394 3.36469965 0.672148875 0.505484822 0.824628976 -6.763032871 stable

BC053951 0.006351805 2.620173126 0.672129064 0.505497295 0.824628976 -6.76304626 stable

SAPCD2 -0.057533823 4.97714317 -0.672117566 0.505504535 0.824628976 -6.763054031 stable

DTYMK -0.053723917 4.98995344 -0.672093728 0.505519544 0.824628976 -6.763070141 stable

LINC01419 0.001998004 2.501569809 0.671909713 0.505635415 0.824680524 -6.763194481 stable

SPINK5 -0.001338 2.326053318 -0.671896879 0.505643497 0.824680524 -6.763203152 stable

IL11 0.002646868 2.656235345 0.671876501 0.505656329 0.824680524 -6.763216919 stable

NFKBIE 0.08975002 8.023919537 0.671774212 0.505720746 0.824728397 -6.763286019 stable

LINC00565 -0.100643338 6.222190706 -0.671665088 0.505789472 0.824783291 -6.763359724 stable

LOC100288721 0.001627074 2.335223134 0.671481231 0.505905277 0.824862437 -6.76348388 stable

GCGR 0.006555428 2.691165187 0.671458856 0.505919372 0.824862437 -6.763498988 stable

VEGFA -0.097912704 8.480617546 -0.671301437 0.506018537 0.824862437 -6.763605261 stable

AK055055 /// RP11-752D24.2 0.002087568 2.533234176 0.67128323 0.506030007 0.824862437 -6.763617551 stable

P2RY2 0.172263815 6.259879016 0.671273527 0.50603612 0.824862437 -6.7636241 stable

LOC101928162 0.00094746 2.090928652 0.671253998 0.506048423 0.824862437 -6.763637282 stable

C17orf51 -0.001879936 2.524111659 -0.670989668 0.506214966 0.825076725 -6.763815663 stable

WFDC10A 0.00217762 2.674709819 0.670871545 0.5062894 0.825140866 -6.763895356 stable

AK024936 0.010821954 3.063907632 0.670786561 0.506342955 0.825170973 -6.763952682 stable

AICDA 0.001312193 2.019398344 0.670486842 0.506531858 0.825397797 -6.764154802 stable

AK024134 /// PPM1H 0.049094578 5.679317261 0.670454374 0.506552324 0.825397797 -6.764176692 stable

MIR205HG 0.00165683 2.381758021 0.670318298 0.506638102 0.825423395 -6.764268423 stable

SLC9A3R2 0.013525453 3.212349756 0.670318112 0.506638219 0.825423395 -6.764268549 stable

TM9SF4 0.05454597 10.14049553 0.670243389 0.506685326 0.825442966 -6.764318913 stable

ZNF26 -0.056141507 7.688958011 -0.670129761 0.506756964 0.825464094 -6.76439549 stable

SLC26A4 0.011714678 3.588507021 0.670108913 0.506770108 0.825464094 -6.764409539 stable

GDE1 -0.050862353 11.08235445 -0.670047682 0.506808715 0.825464094 -6.764450797 stable

LOC101928389 0.001069315 2.449329922 0.670000167 0.506838674 0.825464094 -6.764482811 stable

TEKT1 0.003757644 2.526454977 0.669864893 0.506923973 0.825545854 -6.764573942 stable

TMEFF2 0.004189006 2.934202962 0.669787622 0.506972701 0.825568049 -6.764625989 stable

SAMSN1 0.063681547 10.10744282 0.669505637 0.507150546 0.825772226 -6.764815876 stable

LOC101927934 0.001494806 2.309511285 0.66947749 0.5071683 0.825772226 -6.764834826 stable

KLF3-AS1 -0.005930846 2.383236427 -0.669243549 0.507315873 0.82594665 -6.764992294 stable

TMOD1 -0.114973736 6.060131354 -0.669141927 0.507379985 0.82594665 -6.765060681 stable

TRIM17 0.011258083 2.728149144 0.669085301 0.507415711 0.82594665 -6.765098783 stable

POPDC3 0.002016088 2.407965384 0.669085021 0.507415888 0.82594665 -6.765098971 stable

BC044611 /// RP13-539F13.3 0.002939054 2.634102834 0.668843479 0.507568296 0.826137561 -6.765261462 stable

AK093256 /// RP3-486I3.7 -0.002317926 2.80956761 -0.66858411 0.50773198 0.826346797 -6.765435881 stable

HOTTIP -0.050124509 3.573032322 -0.668524902 0.50776935 0.826350438 -6.765475688 stable

MAP1LC3A -0.062342215 4.91345507 -0.668317171 0.507900473 0.826391468 -6.765615323 stable

DGAT2 -0.167371074 6.601491703 -0.66827312 0.507928281 0.826391468 -6.765644928 stable

LOC102723990 /// TMEM53 0.002963599 2.314624742 0.668203412 0.507972287 0.826391468 -6.765691773 stable

TIMM13 -0.057014344 7.972712493 -0.66820102 0.507973797 0.826391468 -6.76569338 stable

SSX2B 0.000987407 2.178067352 0.66818401 0.507984536 0.826391468 -6.76570481 stable

ING2 0.053607151 9.04932398 0.668151013 0.508005367 0.826391468 -6.765726982 stable

TIMM23 /// TIMM23B 0.043055659 9.466236395 0.667901388 0.508162976 0.826553178 -6.765894681 stable

LOC101927608 0.019657116 3.014261538 0.667876296 0.508178821 0.826553178 -6.765911534 stable

ERI3 -0.051409463 7.708297987 -0.667826605 0.508210198 0.826553178 -6.765944908 stable

DNMT1 0.039451438 10.67768685 0.667629338 0.508334774 0.826642394 -6.766077374 stable

PRDM15 -0.04502003 8.105170009 -0.667628439 0.508335342 0.826642394 -6.766077978 stable

RP11-214N9.1 -0.002762943 2.359867991 -0.667512984 0.508408261 0.826703816 -6.766155489 stable

TRIP13 -0.078588474 2.706847269 -0.667416791 0.508469018 0.826745457 -6.766220059 stable

RP11-930P14.2 -0.005768689 2.769212908 -0.667210902 0.508599076 0.826899762 -6.766358231 stable

ANKRD55 -0.13115674 8.694529357 -0.667082427 0.508680241 0.826974562 -6.76644443 stable

AK097119 /// RP11-73M18.6 0.111954381 5.875348233 0.666967018 0.508753158 0.826985213 -6.766521848 stable

BTBD7 0.027099934 8.765498968 0.66696076 0.508757112 0.826985213 -6.766526046 stable

AC005606.14 0.00086434 1.90498531 0.666885533 0.508804644 0.827005323 -6.766576502 stable

UBAC2-AS1 -0.007885301 2.606019713 -0.666766637 0.508879774 0.827038067 -6.766656236 stable

BC045788 0.012143633 3.241998719 0.666728289 0.508904007 0.827038067 -6.76668195 stable

DACT3 -0.006104375 4.19564577 -0.666686724 0.508930275 0.827038067 -6.76670982 stable

SLC10A3 -0.042472278 9.763805961 -0.666409653 0.509105387 0.827265479 -6.766895554 stable

LOC643549 -0.002367113 2.47919143 -0.666229407 0.509219323 0.827293454 -6.767016341 stable

HAPLN1 -0.007704806 3.032944033 -0.666187689 0.509245695 0.827293454 -6.767044293 stable

HIST1H4E 0.024488678 2.720201456 0.66612513 0.509285244 0.827293454 -6.767086205 stable

RIMBP2 0.010470493 2.754358774 0.666034151 0.509342763 0.827293454 -6.767147152 stable

AC012499.1 -0.002899298 2.431087498 -0.665928823 0.509409357 0.827293454 -6.767217699 stable

ALMS1 -0.045782351 7.424794028 -0.665867079 0.509448397 0.827293454 -6.76725905 stable

MID2 -0.015577325 2.119939523 -0.665858169 0.509454031 0.827293454 -6.767265017 stable

ACOT11 0.009681378 2.59382164 0.665792437 0.509495595 0.827293454 -6.767309033 stable

HERPUD2 0.046430781 11.4023924 0.665785189 0.509500178 0.827293454 -6.767313886 stable

KRTAP10-12 /// KRTAP10-7 0.000952958 1.854498282 0.665739862 0.50952884 0.827293454 -6.767344236 stable

C19orf80 0.001546483 2.571446893 0.665727062 0.509536934 0.827293454 -6.767352807 stable

CAND2 -0.086987781 3.399846173 -0.665714824 0.509544673 0.827293454 -6.767361 stable

NUS1 /// NUS1P3 0.031054884 7.062986255 0.665631262 0.509597517 0.827322142 -6.767416944 stable

COL28A1 0.005378649 2.935812071 0.665492655 0.509685177 0.827358217 -6.767509725 stable

FAS-AS1 0.001224386 2.440277602 0.66548489 0.509690088 0.827358217 -6.767514923 stable

PSMB2 0.0437776 10.95627618 0.665323515 0.509792159 0.827360606 -6.767622919 stable

FCHSD1 0.051897118 8.231344565 0.665271167 0.509825271 0.827360606 -6.767657946 stable

MFAP4 0.002079706 2.718297868 0.665171184 0.509888518 0.827360606 -6.767724839 stable

RSPO3 0.001639018 2.49666789 0.66517065 0.509888856 0.827360606 -6.767725196 stable

DPT -0.014212667 3.128769666 -0.665040409 0.509971251 0.827360606 -6.767812318 stable

POGLUT1 -0.036551849 9.027837585 -0.66501454 0.509987617 0.827360606 -6.767829621 stable

FAM155B -0.00433351 2.652012968 -0.664958636 0.510022987 0.827360606 -6.76786701 stable

LOC101928099 -0.017854824 3.689804108 -0.66495019 0.51002833 0.827360606 -6.767872659 stable

LOC102723559 0.008765443 3.883444271 0.664899311 0.510060522 0.827360606 -6.767906685 stable

MLANA 0.002943067 2.783055915 0.664890934 0.510065822 0.827360606 -6.767912287 stable

FHL5 0.001904168 2.747487559 0.66478081 0.510135503 0.827360606 -6.767985922 stable

ALLC -0.004318007 2.367629725 -0.664719339 0.5101744 0.827360606 -6.768027021 stable

FAM95A 0.024667152 2.580068109 0.664713978 0.510177793 0.827360606 -6.768030605 stable

VAPA -0.023541536 12.29269601 -0.664638838 0.510225342 0.827360606 -6.768080837 stable

CHGA -0.007462154 2.597189928 -0.664393931 0.51038034 0.827360606 -6.768244521 stable

SLC35C2 0.031351557 8.181096143 0.66434255 0.510412861 0.827360606 -6.768278854 stable

C3orf38 0.052846048 4.59109356 0.664324619 0.51042421 0.827360606 -6.768290835 stable

LINC00535 0.004423005 3.374400826 0.664224479 0.510487597 0.827360606 -6.76835774 stable

RFC4 -0.051649493 8.407913218 -0.664176364 0.510518055 0.827360606 -6.768389883 stable

SCARA3 -0.01048992 2.504580534 -0.664104314 0.510563666 0.827360606 -6.768438011 stable

SPATA31A1 /// SPATA31A3 /// SPATA31A5 /// SPATA31A6 /// SPATA31A7 -0.004798706 2.507093487 -0.664094592 0.51056982 0.827360606 -6.768444505 stable

PFKFB4 -0.0545931 6.261927027 -0.664082221 0.510577652 0.827360606 -6.768452768 stable

GCNT7 0.001849569 2.516504231 0.664028182 0.510611863 0.827360606 -6.76848886 stable

C1QTNF7 0.004799031 2.644412531 0.664021971 0.510615795 0.827360606 -6.768493009 stable

LINC00521 -0.00284531 2.635645978 -0.664014144 0.51062075 0.827360606 -6.768498236 stable

STAC3 -0.073844287 6.548968048 -0.663984041 0.510639809 0.827360606 -6.76851834 stable

CDO1 -0.077962333 2.859699154 -0.663981692 0.510641296 0.827360606 -6.768519909 stable

LAGE3 -0.038093295 8.943950397 -0.663824656 0.510740722 0.827456831 -6.768624769 stable

ARSA -0.119424973 6.873014173 -0.663729925 0.510800706 0.827456831 -6.768688015 stable

LTB4R2 -0.038713391 3.308015279 -0.663672348 0.510837165 0.827456831 -6.76872645 stable

LINC01144 -0.021192772 2.963480927 -0.663665655 0.510841403 0.827456831 -6.768730917 stable

LOC101927129 -0.009186517 2.486059779 -0.663595255 0.510885985 0.82747206 -6.768777909 stable

CTSF 0.071494518 6.900767238 0.663346944 0.511043247 0.827549564 -6.768943613 stable

TRNAU1AP -0.03413364 7.956297429 -0.663342 0.511046379 0.827549564 -6.768946911 stable

AV8S2A1N1T /// hADV36S1 /// TCR-alpha /// TCR-alpha /// TCRA /// TRAC /// TRAJ20 /// TRAJ20 /// TRAV36DV7 /// TRAV36DV7 /// YME1L1 0.032161032 3.400735247 0.663310412 0.511066386 0.827549564 -6.768967986 stable

TRIM16 0.056646353 6.307392044 0.663243779 0.511108592 0.827549564 -6.769012439 stable

GBP1P1 -0.043842757 2.602174616 -0.663241946 0.511109753 0.827549564 -6.769013662 stable

FAM69B 0.005387647 2.502512543 0.663096471 0.511201905 0.827641796 -6.769110698 stable

FBXO10 0.002701765 2.290870883 0.662994495 0.511266508 0.827652045 -6.769178707 stable

ANKRD6 -0.083997943 5.865234216 -0.662975391 0.511278611 0.827652045 -6.769191446 stable

HAVCR1 0.089420986 2.723452861 0.662749116 0.511421976 0.827827149 -6.76934231 stable

KRTAP4-2 0.001805592 2.490047903 0.662677808 0.51146716 0.827837836 -6.769389842 stable

CRLS1 -0.033527231 10.05237632 -0.662627609 0.51149897 0.827837836 -6.769423301 stable

MPC1 -0.039205595 9.369808273 -0.662523441 0.511564983 0.827887709 -6.769492723 stable

LOC283177 -0.00420364 2.731626499 -0.662341488 0.511680299 0.828017358 -6.769613959 stable

COQ2 0.093042081 9.170605552 0.662271756 0.511724496 0.828031913 -6.769660413 stable

PTPLB -0.02355569 10.79769583 -0.662209924 0.511763689 0.828038365 -6.7697016 stable

LOC400654 0.003749454 2.900454477 0.662058578 0.511859626 0.828136626 -6.769802398 stable

NLRP14 0.002526046 2.766472483 0.661981497 0.511908492 0.828154619 -6.769853727 stable

C5orf55 -0.02650992 3.591516821 -0.661829376 0.512004936 0.828154619 -6.769955006 stable

LOC101929609 -0.078293672 3.445548894 -0.66177268 0.512040883 0.828154619 -6.769992748 stable

SNTB2 0.001373813 2.447914163 0.661761474 0.512047988 0.828154619 -6.770000207 stable

LOC100506725 0.001154491 2.310621205 0.661710847 0.512080089 0.828154619 -6.770033906 stable

AMHR2 -0.001182713 1.981793149 -0.661707829 0.512082003 0.828154619 -6.770035914 stable

SMUG1 0.079991614 6.587650796 0.661564962 0.512172596 0.828160267 -6.770130995 stable

GDPD1 -0.014971131 2.626305331 -0.661499176 0.512214314 0.828160267 -6.770174771 stable

U2SURP -0.021523498 11.33482255 -0.661494845 0.512217061 0.828160267 -6.770177653 stable

EFCAB1 -0.003696009 2.666217976 -0.661480225 0.512226333 0.828160267 -6.77018738 stable

IGLV6-57 -0.018681717 3.879801209 -0.661335544 0.51231809 0.828201583 -6.770283636 stable

RPP25 0.071270997 5.861311276 0.661328892 0.512322309 0.828201583 -6.770288061 stable

CLDN10 -0.001487332 2.362169929 -0.661239224 0.512379182 0.828236599 -6.770347706 stable

LYPD5 0.00128497 2.181585907 0.661096698 0.512469588 0.82832316 -6.770442495 stable

LAMB1 0.007386002 3.244444987 0.661019594 0.512518499 0.82832316 -6.770493765 stable

SLC2A8 0.03209626 5.373183926 0.660883636 0.512604751 0.82832316 -6.770584157 stable

RP11-654A16.3 -0.006417116 3.52200175 -0.660720983 0.512707948 0.82832316 -6.770692272 stable

RP11-722E23.2 0.071127569 3.090474681 0.660643473 0.512757129 0.82832316 -6.770743784 stable

MYBPC2 0.00150136 2.164642658 0.660637461 0.512760944 0.82832316 -6.770747779 stable

F5 -0.129966589 8.50716096 -0.660637324 0.512761031 0.82832316 -6.77074787 stable

GALNT6 0.07137528 7.196254899 0.660619882 0.512772099 0.82832316 -6.770759461 stable

PAQR7 -0.050127079 6.125504801 -0.660526823 0.51283115 0.82832316 -6.770821296 stable

GNN 0.002021515 2.54665127 0.660485951 0.512857087 0.82832316 -6.770848452 stable

MAP3K13 0.004825641 2.300124761 0.660457129 0.512875378 0.82832316 -6.770867601 stable

AF086294 /// RP11-485M7.3 0.001156317 2.27133813 0.660390904 0.512917406 0.82832316 -6.770911596 stable

BC021061 0.001280588 2.392273358 0.660363064 0.512935075 0.82832316 -6.77093009 stable

FAR2 0.001478178 2.444643202 0.660338366 0.512950749 0.82832316 -6.770946495 stable

DUSP1 0.102918215 14.11605708 0.660307591 0.512970281 0.82832316 -6.770966937 stable

HOOK1 -0.074002805 5.977082971 -0.660230822 0.513019006 0.82832316 -6.771017926 stable

SCAI 0.019034592 3.545480887 0.660211278 0.51303141 0.82832316 -6.771030905 stable

PACRGL -0.035402293 3.830916244 -0.65986439 0.513251611 0.828433812 -6.771261221 stable

SAE1 -0.029804339 10.44125836 -0.659845302 0.513263729 0.828433812 -6.771273892 stable

KIAA2013 -0.028148465 6.165953755 -0.65982781 0.513274835 0.828433812 -6.771285502 stable

BMS1P17 /// BMS1P18 0.010707858 3.680524474 0.65973655 0.513332775 0.828433812 -6.771346071 stable

DEFB124 0.001401179 2.299960984 0.659728217 0.513338066 0.828433812 -6.771351601 stable

RP3-336K20\_\_B.2 0.010456781 3.795737435 0.659695087 0.513359101 0.828433812 -6.771373587 stable

AK126278 /// CUL4A -0.086878889 8.358048895 -0.659654782 0.513384693 0.828433812 -6.771400333 stable

ST6GALNAC1 0.113508405 3.535063959 0.65955997 0.513444896 0.828433812 -6.771463244 stable

RDM1 0.012921343 2.633619687 0.65943968 0.513521282 0.828433812 -6.771543046 stable

SNAPC1 0.044626225 7.929586316 0.659428921 0.513528114 0.828433812 -6.771550183 stable

INSR -0.077894606 3.266517518 -0.659348486 0.513579196 0.828433812 -6.771603537 stable

NPEPPS 0.020514802 9.449712671 0.659337094 0.51358643 0.828433812 -6.771611092 stable

PLIN4 -0.053239334 5.159545689 -0.659300124 0.51360991 0.828433812 -6.771635613 stable

LOC100286922 0.001503706 2.412502456 0.65926566 0.513631799 0.828433812 -6.77165847 stable

LINC00323 0.004852411 3.431761143 0.659174194 0.513689892 0.828433812 -6.771719125 stable

IGH /// IGHA1 /// IGHA2 -0.139421225 13.54746972 -0.659148951 0.513705925 0.828433812 -6.771735863 stable

TNKS 0.001380037 2.183815099 0.659114569 0.513727764 0.828433812 -6.77175866 stable

LOC101929480 0.001163869 2.236385088 0.659002047 0.513799239 0.828433812 -6.771833261 stable

TRPC2 -0.025912965 2.705506284 -0.658943484 0.51383644 0.828433812 -6.771872083 stable

LOC101928370 0.096195865 4.333344626 0.658882528 0.513875163 0.828433812 -6.771912487 stable

MYCL 0.145154504 9.187333798 0.658869372 0.513883521 0.828433812 -6.771921207 stable

IL20 0.001073997 2.266639677 0.65883836 0.513903223 0.828433812 -6.771941761 stable

GFRA3 -0.001362957 2.227546525 -0.658827649 0.513910027 0.828433812 -6.77194886 stable

LOC101930067 0.007361612 3.058914228 0.658568113 0.514074926 0.828504501 -6.772120837 stable

ZNF544 0.043604048 8.653864465 0.658525527 0.514101986 0.828504501 -6.772149049 stable

EMID1 0.001005094 2.05748103 0.658500866 0.514117656 0.828504501 -6.772165386 stable

BC039537 /// RP11-30L15.6 -0.120269813 3.187603708 -0.658487225 0.514126324 0.828504501 -6.772174422 stable

SEBOX /// VTN -0.001985411 2.629810752 -0.658356137 0.514209628 0.828504501 -6.77226125 stable

HSP90B1 0.040007166 11.081625 0.658247994 0.514278355 0.828504501 -6.772332866 stable

SMARCD1 -0.038584067 7.31631875 -0.658202157 0.514307487 0.828504501 -6.772363218 stable

FOXQ1 0.001066689 2.246437654 0.658164898 0.514331168 0.828504501 -6.772387888 stable

SAA3P -0.029561263 2.77954435 -0.658138653 0.514347849 0.828504501 -6.772405265 stable

LRRC23 -0.128178881 4.159493282 -0.658109679 0.514366265 0.828504501 -6.772424448 stable

GOLGA1 0.040777367 8.256556079 0.65802668 0.514419022 0.828504501 -6.772479394 stable

MDM4 -0.102467684 8.420307272 -0.657961345 0.514460552 0.828504501 -6.772522642 stable

C21orf59 -0.032043788 9.236936696 -0.657933106 0.514478503 0.828504501 -6.772541333 stable

LOC101928524 /// PRPF18 0.052451377 7.053852401 0.657882297 0.514510802 0.828504501 -6.772574962 stable

GSC2 0.001640043 2.461944691 0.657796491 0.514565351 0.828504501 -6.772631747 stable

ZNF517 -0.013433365 2.685882073 -0.657788661 0.514570329 0.828504501 -6.772636928 stable

ZP1 0.00159193 2.450875934 0.657743621 0.514598963 0.828504501 -6.772666732 stable

USP5 -0.038602533 6.924276772 -0.657690178 0.514632941 0.828504501 -6.772702093 stable

SSR4 -0.027043562 12.98310312 -0.657651526 0.514657516 0.828504501 -6.772727667 stable

OR1G1 0.000929557 2.051054317 0.657643579 0.514662568 0.828504501 -6.772732924 stable

UBE2D4 0.071169739 4.992847835 0.6575948 0.514693583 0.828504501 -6.772765195 stable

IRG1 0.001201142 2.390449249 0.657371369 0.514835657 0.828676485 -6.77291298 stable

LILRA1 0.13160956 9.333913668 0.656815772 0.515189038 0.829031702 -6.77328026 stable

GUCY1A2 0.001036356 2.295850468 0.656807723 0.515194158 0.829031702 -6.773285579 stable

FGF23 -0.006395411 2.848338385 -0.656779673 0.515212003 0.829031702 -6.773304113 stable

MRE11A 0.070989696 8.468951459 0.656778059 0.51521303 0.829031702 -6.773305179 stable

KIAA1217 0.003059492 2.786608527 0.656616849 0.515315592 0.829031702 -6.773411685 stable

PLCH2 -0.027848313 5.288720941 -0.656597805 0.515327709 0.829031702 -6.773424265 stable

CSGALNACT1 -0.093601487 10.37320499 -0.656555507 0.515354622 0.829031702 -6.773452205 stable

MUC6 0.001167372 2.161163877 0.656509669 0.515383787 0.829031702 -6.773482481 stable

TH 0.001552168 2.255777391 0.656477917 0.51540399 0.829031702 -6.773503452 stable

LOC101928580 0.002431801 2.70151104 0.656470346 0.515408808 0.829031702 -6.773508452 stable

CCL18 -0.008444141 2.508246676 -0.656383005 0.515464385 0.829064401 -6.773566132 stable

TNFSF10 0.099771344 11.675139 0.656167662 0.515601426 0.829128111 -6.773708312 stable

HPX -0.005704223 2.533806268 -0.656059831 0.515670056 0.829128111 -6.77377949 stable

MLLT4 -0.005141164 2.795730815 -0.656025688 0.515691787 0.829128111 -6.773802025 stable

EPB41L4A-AS2 0.0014225 2.647937571 0.656000494 0.515707823 0.829128111 -6.773818653 stable

CDC25B -0.070828083 12.01233113 -0.655982549 0.515719245 0.829128111 -6.773830496 stable

ATP13A4-AS1 0.002560904 2.717058238 0.655981946 0.515719629 0.829128111 -6.773830894 stable

FAM71D 0.00209884 2.850638391 0.655933054 0.51575075 0.829128111 -6.77386316 stable

HNRNPA3 /// HNRNPA3P1 0.030531521 11.35091725 0.655619518 0.515950346 0.829205428 -6.774070018 stable

LOC100996756 -0.11237488 9.001831399 -0.655561042 0.515987576 0.829205428 -6.774108587 stable

MEGF10 0.007702112 2.353183939 0.655508702 0.516020901 0.829205428 -6.774143107 stable

PGD 0.00179868 2.473755812 0.655472576 0.516043903 0.829205428 -6.774166931 stable

LOC101927761 0.006043259 2.817140596 0.655469671 0.516045752 0.829205428 -6.774168846 stable

RAP1A 0.000932732 2.145570204 0.655432464 0.516069444 0.829205428 -6.774193382 stable

NUBP2 -0.06776083 8.392688765 -0.655407328 0.516085449 0.829205428 -6.774209957 stable

LOC101929607 0.008355653 3.34658957 0.655369816 0.516109335 0.829205428 -6.774234691 stable

RILPL2 -0.05451767 11.77302879 -0.65532548 0.516137567 0.829205428 -6.774263924 stable

DEFB4A /// DEFB4B 0.005642843 3.559182323 0.655303785 0.516151383 0.829205428 -6.774278228 stable

CDC16 -0.038262126 10.26240771 -0.655221666 0.516203677 0.829232803 -6.774332365 stable

NUDT16 -0.093296308 8.573814767 -0.655147306 0.516251033 0.82925224 -6.774381381 stable

ASCC1 -0.033027108 9.120745354 -0.654923236 0.516393746 0.829337374 -6.77452905 stable

LDHAL6B 0.001574049 2.368897697 0.654907373 0.51640385 0.829337374 -6.774539502 stable

RPS2 /// SNORA64 0.010013219 15.64375585 0.654898013 0.516409812 0.829337374 -6.774545669 stable

LOC101927513 -0.015827025 2.51454133 -0.654781699 0.516483903 0.829399733 -6.774622301 stable

VGF -0.016542446 3.713036821 -0.654643401 0.516572005 0.829428322 -6.774713399 stable

RASD1 0.078951094 6.29914442 0.654602245 0.516598225 0.829428322 -6.774740506 stable

LOC102724927 0.012649048 3.313955588 0.654587694 0.516607496 0.829428322 -6.774750089 stable

LOC101928314 0.005786574 3.068813559 0.654461267 0.516688046 0.829480656 -6.774833344 stable

COX7B2 -0.002241459 2.630279399 -0.654425833 0.516710623 0.829480656 -6.774856676 stable

BC037833 /// RP11-492E3.2 -0.03654641 3.508078382 -0.654266078 0.516812419 0.829587451 -6.774961851 stable

MAP6 -0.0046171 2.308400137 -0.654082478 0.516929423 0.829642237 -6.775082693 stable

NUB1 0.060421658 8.092618395 0.654049021 0.516950746 0.829642237 -6.775104711 stable

RQCD1 0.102382862 7.669205425 0.654041752 0.516955378 0.829642237 -6.775109494 stable

SOX2-OT 0.004850175 3.038880534 0.65379456 0.517112935 0.829642237 -6.775272129 stable

COL8A2 -0.179383275 4.431952882 -0.653710112 0.517166766 0.829642237 -6.775327676 stable

LOC100507670 -0.018382256 2.41817138 -0.653656678 0.51720083 0.829642237 -6.77536282 stable

SC5D -0.056044773 7.987218998 -0.653562668 0.517260762 0.829642237 -6.775424643 stable

CTD-2534I21.8 -0.00411636 2.453610785 -0.653395966 0.517367046 0.829642237 -6.775534249 stable

USP35 0.022344464 7.125041978 0.653383572 0.517374949 0.829642237 -6.775542397 stable

AARS 0.02751107 9.945906301 0.653375264 0.517380246 0.829642237 -6.775547859 stable

ACTA2 0.117523333 7.442284359 0.653338976 0.517403384 0.829642237 -6.775571713 stable

KAT6B 0.027397016 4.303279628 0.653299836 0.517428341 0.829642237 -6.775597442 stable

UGT1A1 0.001097887 2.266281996 0.653284414 0.517438175 0.829642237 -6.775607579 stable

CDH20 -0.001301382 2.143574763 -0.653237501 0.517468089 0.829642237 -6.775638414 stable

TMEM109 0.0357882 10.12532192 0.653230706 0.517472422 0.829642237 -6.77564288 stable

AP4S1 -0.034632205 7.533518512 -0.653227235 0.517474636 0.829642237 -6.775645162 stable

SSX1 0.002664681 2.567230832 0.653203512 0.517489764 0.829642237 -6.775660753 stable

LIX1 -0.009768077 3.13739101 -0.653176889 0.517506741 0.829642237 -6.77567825 stable

PNPLA6 -0.052515313 10.51427358 -0.653161232 0.517516726 0.829642237 -6.77568854 stable

OBP2A 0.000863259 2.018501408 0.653102959 0.517553887 0.829645265 -6.775726834 stable

CD8A 0.108842402 11.80533275 0.652987331 0.517627629 0.829674597 -6.77580281 stable

FGF9 0.095380023 2.745348683 0.652901409 0.517682429 0.829674597 -6.775859258 stable

RPGRIP1 -0.101967904 4.325877308 -0.65283672 0.51772369 0.829674597 -6.775901753 stable

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MN1 -0.001322118 2.47770574 -0.652708676 0.517805366 0.829674597 -6.775985853 stable

POT1-AS1 /// RP11-3B12.1 0.005898323 3.039581977 0.65267378 0.517827626 0.829674597 -6.77600877 stable

PTPLA 0.016570053 4.352331271 0.652672787 0.517828259 0.829674597 -6.776009421 stable

RAX2 -0.03342324 5.711603192 -0.652631847 0.517854375 0.829674597 -6.776036306 stable

CUX2 -0.027499048 2.338622983 -0.652506126 0.51793458 0.829684382 -6.776118855 stable

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RP11-15P13.1 0.003318773 3.135765031 0.652456398 0.517966306 0.829684382 -6.776151502 stable

JOSD1 0.047810815 10.400771 0.652242043 0.518103074 0.829752288 -6.776292201 stable

GRM4 0.013575671 4.945359529 0.652220528 0.518116803 0.829752288 -6.776306322 stable

PRSS1 /// PRSS2 -0.010509359 3.367090047 -0.65219706 0.518131778 0.829752288 -6.776321723 stable

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NRP1 0.004177169 2.748104362 0.652058245 0.518220361 0.829752288 -6.776412808 stable

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THPO 0.004082403 2.848957932 0.651848028 0.518354524 0.829827143 -6.77655071 stable

GAP43 0.010533058 3.2389841 0.651819156 0.518372952 0.829827143 -6.776569646 stable

PMP2 0.009314618 3.656350439 0.651492356 0.518581562 0.829940701 -6.77678393 stable

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CYP11B1 0.00182389 2.544016208 0.650493002 0.519219768 0.829940701 -6.777438558 stable

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ZNF510 0.063562641 7.335887974 0.650399914 0.519279238 0.829940701 -6.777499486 stable

HAR1A -0.107310028 3.977986225 -0.6503549 0.519307996 0.829940701 -6.777528945 stable

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DNAJC6 0.057302403 3.303417602 0.649556884 0.519817973 0.829940701 -6.778050872 stable

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CSRP3 0.00148125 2.439162586 0.649393915 0.519922153 0.829940701 -6.778157381 stable

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THYN1 0.024895492 9.885714407 0.649332918 0.519961148 0.829940701 -6.77819724 stable

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XPO5 0.029044093 7.716760372 0.648761236 0.520326704 0.829990858 -6.778570626 stable

HOXD13 0.005194014 3.221600436 0.648731101 0.520345978 0.829990858 -6.778590299 stable

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RPL23 /// SNORA21 0.011670047 15.66284664 0.648478195 0.520507743 0.829990858 -6.778755371 stable

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CHRM1 0.002113981 2.641865811 0.648017522 0.52080247 0.830015875 -6.779055891 stable

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LINC00507 0.007209497 3.235182236 0.647613746 0.52106087 0.830141361 -6.779319122 stable

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SERPINA12 0.007121782 2.814358455 0.647251899 0.521292495 0.830375238 -6.779554882 stable

LOC100506076 /// LOC100506123 -0.103559799 8.330993973 -0.647093375 0.521393986 0.830433725 -6.779658127 stable

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TET1 0.064123561 2.837928145 0.646889657 0.521524427 0.830446015 -6.77979077 stable

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ADAL -0.039973488 4.061637878 -0.646313881 0.521893194 0.830488452 -6.780165444 stable

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UCP2 -0.045505184 13.69544101 -0.645891827 0.522163594 0.83069394 -6.780439879 stable

ABHD11 0.035126632 2.297616463 0.645785298 0.522231857 0.830746348 -6.780509121 stable

GNAT1 0.001219758 2.278941905 0.645594317 0.522354247 0.830884848 -6.780633226 stable

CD99L2 -0.061716522 4.811336312 -0.64547434 0.522431142 0.830950967 -6.780711172 stable

CENPBD1 0.110821829 6.548166039 0.645299716 0.522543072 0.831072798 -6.780824596 stable

CYP8B1 -0.000983572 2.085265625 -0.644918007 0.522787784 0.831337137 -6.781072424 stable

NUP153 /// RP11-500C11.3 0.034034212 3.342048755 0.644853181 0.52282935 0.831337137 -6.781114499 stable

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ALG8 -0.039979958 8.743274165 -0.643943349 0.52341291 0.831515418 -6.781704578 stable

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GADL1 0.004326869 2.986466464 0.643880534 0.523453212 0.831515418 -6.781745287 stable

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UTS2 0.321378244 4.689395625 0.643753348 0.523534819 0.831581746 -6.781827702 stable

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BRD1 /// LOC90834 0.030429672 4.685761085 0.643072466 0.523971814 0.831714201 -6.782268633 stable

GCAT -0.034740573 3.757127596 -0.642930496 0.524062955 0.831776591 -6.782360513 stable

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GAGE1 /// GAGE12B /// GAGE12C /// GAGE12D /// GAGE12E /// GAGE12F /// GAGE12G /// GAGE12H /// GAGE12I /// GAGE12J /// GAGE13 /// GAGE2D /// GAGE4 /// GAGE5 /// GAGE6 /// GAGE7 0.001974043 2.422361664 0.642572898 0.524292564 0.83183038 -6.782591857 stable

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FRS2 -0.049831159 6.061343447 -0.641452501 0.525012298 0.832298596 -6.783315867 stable

MRPL55 -0.035387615 7.982591944 -0.64123432 0.525152518 0.832464777 -6.783456713 stable

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TACSTD2 0.001530533 2.585095586 0.640820018 0.525418833 0.832573818 -6.783724037 stable

GGT1 -0.021894255 3.075925396 -0.640796913 0.525433687 0.832573818 -6.78373894 stable

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TWIST2 -0.004440193 2.783231195 -0.640532879 0.52560345 0.832679779 -6.78390921 stable

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PARP14 -0.052486639 11.14864863 -0.640271122 0.525771777 0.832679779 -6.784077945 stable

H2AFB1 /// H2AFB2 /// H2AFB3 0.010573002 2.525711008 0.640252472 0.525783771 0.832679779 -6.784089964 stable

MMGT1 -0.024769002 11.54697881 -0.640051248 0.525913193 0.832800075 -6.784219628 stable

CARD16 -0.081180652 12.3094819 -0.639913695 0.526001673 0.832800075 -6.784308241 stable

ZFP90 0.063366881 9.233342444 0.639912436 0.526002483 0.832800075 -6.784309052 stable

EIF3C 0.063005867 6.291131602 0.639848452 0.526043642 0.832800075 -6.784350264 stable

EPHB2 -0.021695284 2.39208098 -0.639800301 0.526074619 0.832800075 -6.784381276 stable

FAM13B -0.032350847 10.07100889 -0.639709425 0.526133082 0.832800075 -6.784439799 stable

CCKAR -0.01854999 4.376136325 -0.63969943 0.526139512 0.832800075 -6.784446235 stable

CASP12 0.004771264 3.217184175 0.639694035 0.526142983 0.832800075 -6.784449709 stable

SERPINA3 -0.001113284 2.257757442 -0.639601667 0.526202411 0.832838094 -6.784509183 stable

AC069277.2 /// AF279782 0.001533271 2.439261793 0.639293512 0.526400698 0.83309587 -6.784707536 stable

CDC26 0.033135871 10.5998866 0.639216827 0.526450049 0.833116645 -6.784756882 stable

FLJ45513 0.114844008 5.749546873 0.639163039 0.526484665 0.833116645 -6.784791491 stable

TCRA /// TRAV8-1 /// TRAV8-1 0.10312813 6.042613101 0.63907902 0.52653874 0.833146162 -6.784845545 stable

LOC101927272 -0.027251709 2.73682481 -0.63900599 0.526585745 0.83316449 -6.784892525 stable

NCKAP5L -0.003629229 2.434065687 -0.638896569 0.526656176 0.833183735 -6.784962903 stable

GNB4 0.081959998 6.416330171 0.638822277 0.526703999 0.833183735 -6.78501068 stable

OR7C2 0.000897101 1.937550213 0.638821999 0.526704177 0.833183735 -6.785010859 stable

ASB5 0.004173957 3.114460137 0.638402135 0.526974492 0.833555281 -6.785280772 stable

MANF 0.055871521 9.687245022 0.638335603 0.527017333 0.833566989 -6.785323527 stable

SKA3 0.001124342 2.331999148 0.638188296 0.527112193 0.83357786 -6.785418173 stable

MYH15 0.001011051 2.207867438 0.63817106 0.527123293 0.83357786 -6.785429247 stable

ADCYAP1 0.001021841 2.144186276 0.638109238 0.527163107 0.83357786 -6.78546896 stable

C8orf60 -0.09728414 6.675226815 -0.638032652 0.527212432 0.83357786 -6.785518154 stable

LOC100505711 -0.00958372 5.052238223 -0.638031486 0.527213183 0.83357786 -6.785518903 stable

SMEK3P 0.00986813 3.437907703 0.637994748 0.527236844 0.83357786 -6.785542498 stable

CSF1R 0.105571556 12.18547607 0.637905855 0.527294099 0.833612347 -6.785599586 stable

TMSB4X 0.011718912 16.35187184 0.63770712 0.527422115 0.833738943 -6.785727186 stable

CSF2 -0.031280748 4.759863975 -0.637664573 0.527449523 0.833738943 -6.785754499 stable

TNFAIP3 -0.110481382 11.45422497 -0.637616465 0.527480516 0.833738943 -6.78578538 stable

KIAA0040 -0.041474998 10.47176832 -0.637419163 0.527607631 0.833780035 -6.785912004 stable

TMIGD2 0.068621899 9.58895392 0.637418032 0.52760836 0.833780035 -6.78591273 stable

FBXO16 0.002457805 2.410422165 0.637398216 0.527621128 0.833780035 -6.785925445 stable

SHC3 -0.00463814 2.661057714 -0.637318453 0.527672522 0.833780035 -6.785976623 stable

SNHG6 /// SNORD87 -0.030826525 14.30587448 -0.637301021 0.527683755 0.833780035 -6.785987807 stable

MORF4L1 -0.016991368 13.63510226 -0.637166149 0.527770665 0.83385795 -6.786074327 stable

RILPL1 /// SNRNP35 -0.035266036 4.252725566 -0.637114468 0.52780397 0.83385795 -6.786107476 stable

RP11-477N3.1 0.064076316 5.257071914 0.636916373 0.527931638 0.834003631 -6.786234511 stable

HIPK3 0.056217597 9.117187274 0.636591555 0.528141012 0.834206429 -6.786442728 stable

NSMF -0.005791135 2.520446357 -0.636485108 0.528209636 0.834206429 -6.786510941 stable

GPX8 0.00156007 2.512107465 0.636479182 0.528213456 0.834206429 -6.786514738 stable

LINC00102 0.022163724 4.044054728 0.63641779 0.528253037 0.834206429 -6.786554073 stable

FAM154B 0.017291226 3.363023784 0.636413015 0.528256116 0.834206429 -6.786557133 stable

OR52D1 0.00084878 2.186488552 0.636363856 0.528287811 0.834206429 -6.786588627 stable

SULT1B1 0.075587944 7.4971754 0.636221163 0.528379817 0.834206429 -6.786680033 stable

LOC100133920 0.007056052 3.192428756 0.636087334 0.528466115 0.834206429 -6.786765741 stable

NBR2 -0.124124491 6.469126588 -0.636046317 0.528492566 0.834206429 -6.786792007 stable

LOC100506022 -0.001447419 2.353067188 -0.636037261 0.528498406 0.834206429 -6.786797805 stable

POP5 -0.025415284 10.53222613 -0.636001514 0.528521458 0.834206429 -6.786820694 stable

NTSR2 0.000931015 2.071857645 0.635924833 0.528570912 0.834206429 -6.786869789 stable

GDI1 -0.024978653 11.29411019 -0.635914164 0.528577793 0.834206429 -6.78687662 stable

EEF1DP5 /// EEF1DP5 0.03648632 4.589786092 0.635859326 0.52861316 0.834206429 -6.786911725 stable

ATP6V0A1 -0.114267937 6.652646929 -0.635749147 0.528684224 0.834206429 -6.78698225 stable

POLA1 0.046334183 7.479607802 0.635661993 0.528740441 0.834206429 -6.787038028 stable

CTXN2 /// SLC24A5 -0.002754298 2.723348105 -0.635618073 0.528768771 0.834206429 -6.787066133 stable

IFT52 -0.035368204 8.622684684 -0.63552869 0.528826431 0.834206429 -6.787123326 stable

ZNF829 0.012039025 2.750668228 0.635503686 0.528842561 0.834206429 -6.787139324 stable

TAS2R13 0.000946854 2.378889106 0.635502522 0.528843312 0.834206429 -6.787140068 stable

CLUHP3 -0.10827691 8.645467094 -0.635482707 0.528856094 0.834206429 -6.787152746 stable

ZNF446 -0.058058122 4.86964345 -0.635477523 0.528859439 0.834206429 -6.787156062 stable

ITGA1 0.002374372 2.650389992 0.635452256 0.528875739 0.834206429 -6.787172227 stable

PTMAP1 /// PTMAP1 0.003750793 2.855446357 0.635332965 0.528952701 0.834262872 -6.787248536 stable

IFT122 0.006114499 3.07168152 0.635278936 0.52898756 0.834262872 -6.787283093 stable

MAP1S 0.040948024 8.957172667 0.635112861 0.529094718 0.834262872 -6.787389296 stable

RP1-170O19.14 -0.002232703 2.661865855 -0.635038223 0.529142881 0.834262872 -6.787437018 stable

TMEM104 0.077410015 7.024409411 0.634972599 0.529185229 0.834262872 -6.787478971 stable

AHCY -0.047550625 9.880393398 -0.634962726 0.529191601 0.834262872 -6.787485283 stable

MYO1D 0.003107594 2.7163691 0.634920913 0.529218584 0.834262872 -6.787512011 stable

CBR4 -0.054971809 6.972943313 -0.634920527 0.529218834 0.834262872 -6.787512258 stable

ZNF818P -0.066521768 8.159095742 -0.634843008 0.529268862 0.834262872 -6.787561807 stable

C6orf132 0.001705989 2.622047809 0.634739382 0.529335742 0.834262872 -6.787628033 stable

MKS1 0.049233423 5.732942911 0.634692921 0.52936573 0.834262872 -6.787657723 stable

APLN -0.022225896 2.793005861 -0.634674223 0.529377799 0.834262872 -6.78766967 stable

MC2R -0.001083261 2.104859835 -0.634556682 0.529453669 0.834262872 -6.78774477 stable

CYFIP1 -0.095481632 10.85057103 -0.63448615 0.529499199 0.834262872 -6.787789827 stable

LOC101927839 -0.005722926 2.647355365 -0.634387307 0.529563007 0.834262872 -6.787852963 stable

LPL 0.143309645 2.790906146 0.634343995 0.529590969 0.834262872 -6.787880625 stable

PSORS1C1 0.002378959 2.973530414 0.634332288 0.529598527 0.834262872 -6.787888101 stable

EIF4EBP1 -0.07237005 8.854602034 -0.634143215 0.529720599 0.834262872 -6.788008833 stable

KRTAP9-2 /// KRTAP9-8 -0.002121988 1.820940932 -0.63411246 0.529740457 0.834262872 -6.788028468 stable

PHLDB1 0.000983601 2.151306192 0.634064563 0.529771384 0.834262872 -6.788059046 stable

LOC100134937 -0.075046415 6.893849957 -0.634033273 0.529791589 0.834262872 -6.78807902 stable

MIR6890 /// QARS -0.020201163 12.35783697 -0.634024093 0.529797516 0.834262872 -6.78808488 stable

HLA-DRB1 /// HLA-DRB4 /// LOC100996809 -0.063512376 14.01439699 -0.633957613 0.529840445 0.834262872 -6.788127314 stable

BC113958 -0.085340389 5.876691187 -0.633939215 0.529852326 0.834262872 -6.788139057 stable

HOMEZ -0.027727607 2.548109823 -0.633938331 0.529852897 0.834262872 -6.788139621 stable

SMAD1-AS2 0.001267987 2.433094166 0.633915151 0.529867866 0.834262872 -6.788154416 stable

MALRD1 0.003589349 2.770349741 0.633913111 0.529869183 0.834262872 -6.788155718 stable

RXFP2 0.001164287 2.414551835 0.633816308 0.529931697 0.834278105 -6.788217495 stable

TSPAN32 -0.046447582 9.423999482 -0.633788283 0.529949796 0.834278105 -6.788235378 stable

CDCA7 -0.077208515 7.165649891 -0.633724082 0.52999126 0.83428754 -6.788276343 stable

LOC101929687 0.035081721 2.946240577 0.633461205 0.530161054 0.834498972 -6.788444036 stable

ANKRD7 0.002181674 2.861212962 0.633333727 0.530243402 0.83454297 -6.78852533 stable

TYRO3P -0.003735651 2.421752185 -0.633237623 0.530305489 0.83454297 -6.788586607 stable

LOC102723493 -0.00461206 3.141368419 -0.633234804 0.53030731 0.83454297 -6.788588404 stable

OPRL1 0.036327787 2.752289871 0.633198246 0.530330929 0.83454297 -6.788611712 stable

ESYT1 0.044339622 11.58131903 0.632939701 0.53049798 0.834653837 -6.788776507 stable

XKRY /// XKRY2 0.003532248 2.869666046 0.632923215 0.530508633 0.834653837 -6.788787012 stable

CCSER2 0.029717332 4.056414515 0.632907606 0.53051872 0.834653837 -6.788796959 stable

PCOLCE2 -0.003515664 2.985339142 -0.632869531 0.530543324 0.834653837 -6.788821221 stable

GRIA1 0.003613862 2.856462621 0.632738961 0.530627702 0.83473075 -6.788904411 stable

PIGY /// PYURF 0.024219754 12.13069909 0.632649622 0.53068544 0.834733375 -6.788961323 stable

LINC00176 0.027993621 3.25153918 0.632591859 0.530722772 0.834733375 -6.788998115 stable

SNORA74A 0.001995259 2.542363848 0.632540318 0.530756085 0.834733375 -6.789030941 stable

SERPINB6 -0.042819823 3.838331417 -0.632506975 0.530777637 0.834733375 -6.789052176 stable

ZNF99 0.005189041 3.080089706 0.6324608 0.530807482 0.834733375 -6.789081581 stable

SAFB 0.040801709 8.088862221 0.632406929 0.530842304 0.834733375 -6.789115884 stable

ME2 0.033621889 11.2100075 0.632253052 0.530941774 0.834826251 -6.789213853 stable

ARHGEF6 -0.031502972 12.79867462 -0.632205751 0.530972353 0.834826251 -6.789243963 stable

RTFDC1 0.029960241 10.51401618 0.632100404 0.53104046 0.834877526 -6.789311015 stable

GCNT4 -0.011529688 2.470418009 -0.631899093 0.531170621 0.834979404 -6.789439117 stable

SH3RF2 -0.006235709 3.013385693 -0.631866543 0.531191668 0.834979404 -6.789459826 stable

ALPPL2 -0.015976043 2.553785604 -0.631835472 0.531211759 0.834979404 -6.789479593 stable

ZP4 0.001708519 1.994760351 0.631503823 0.531426238 0.835168946 -6.789690527 stable

ROM1 -0.0104678 2.427419258 -0.631493311 0.531433037 0.835168946 -6.789697211 stable

LINC00515 -0.012978064 3.177457195 -0.631484296 0.531438868 0.835168946 -6.789702943 stable

C21orf119 -0.060409588 4.253930183 -0.631300061 0.531558034 0.835282796 -6.789820069 stable

LOC101927523 -0.003165934 2.54944356 -0.631244621 0.531593897 0.835282796 -6.789855308 stable

FAM78B -0.002597526 2.499450045 -0.631207592 0.53161785 0.835282796 -6.789878842 stable

ANXA4 0.060933027 10.84427742 0.631113046 0.531679013 0.835284467 -6.789938928 stable

LOC102723864 0.001589375 2.403565495 0.631096159 0.531689938 0.835284467 -6.789949659 stable

AC010524.4 -0.0011147 2.107313638 -0.630999297 0.531752604 0.835327123 -6.790011205 stable

GLCCI1 0.002741224 2.764420393 0.630878587 0.531830705 0.835388706 -6.790087891 stable

APLP1 -0.001360923 2.263129527 -0.630828921 0.53186284 0.835388706 -6.790119439 stable

8-Mar -0.05205893 10.47103769 -0.630717538 0.531934914 0.835444055 -6.790190182 stable

LOC100131053 0.016896347 3.616695455 0.630613823 0.53200203 0.835444055 -6.790256044 stable

RP5-963E22.5 -0.001640151 2.384750586 -0.630609794 0.532004636 0.835444055 -6.790258602 stable

NUTM2F /// NUTM2G -0.008993566 3.748694795 -0.630545284 0.532046385 0.835453836 -6.790299562 stable

LOC101927508 0.001563125 2.319663434 0.630403112 0.532138398 0.835467168 -6.790389817 stable

KRTAP19-3 0.002068118 2.662915846 0.630385556 0.532149761 0.835467168 -6.790400961 stable

EMC7 0.028875638 10.64368044 0.630355001 0.532169537 0.835467168 -6.790420355 stable

ARHGEF15 0.00131356 2.486977627 0.630290865 0.532211051 0.835467168 -6.790461062 stable

LOC101928290 /// LOC101928317 0.027480105 2.65926403 0.630257765 0.532232475 0.835467168 -6.790482068 stable

ZNF585B -0.068640062 7.316818784 -0.63007873 0.532348369 0.835536159 -6.790595672 stable

CHRNB4 -0.002975709 2.310467722 -0.630078317 0.532348637 0.835536159 -6.790595934 stable

ATXN1L 0.023256322 9.183878037 0.630008908 0.53239357 0.835536159 -6.790639968 stable

LOC101929864 /// SLX1A /// SLX1B 0.042858873 10.10156519 0.629970374 0.532418517 0.835536159 -6.790664412 stable

MGST3 -0.054509883 10.95155108 -0.629885271 0.532473615 0.835545764 -6.790718393 stable

SCRG1 -0.008130709 2.50384027 -0.629702875 0.532591713 0.835545764 -6.790834062 stable

CADM3-AS1 0.001008801 2.165172326 0.629679971 0.532606544 0.835545764 -6.790848584 stable

CCDC8 -0.012703743 5.77887474 -0.62963188 0.532637685 0.835545764 -6.790879076 stable

LOC100506990 -0.087445147 8.868801498 -0.629626746 0.532641009 0.835545764 -6.79088233 stable

RHOF 0.044197692 4.493069249 0.629604522 0.5326554 0.835545764 -6.79089642 stable

MIR3916 -0.108319338 6.235365175 -0.62952417 0.532707434 0.835545764 -6.790947358 stable

UTY 0.031681297 7.394253434 0.629522022 0.532708825 0.835545764 -6.79094872 stable

LOC101928418 -0.004714145 2.904652759 -0.629461553 0.532747985 0.835551468 -6.790987049 stable

LCTL 0.004611742 3.018515644 0.629104514 0.532979237 0.835661445 -6.79121329 stable

VPREB1 0.009860666 3.2179407 0.629087667 0.532990149 0.835661445 -6.791223962 stable

RIIAD1 -0.021430737 3.119945416 -0.629035116 0.533024191 0.835661445 -6.79125725 stable

ARHGAP1 0.022893593 11.67725572 0.62900079 0.533046428 0.835661445 -6.791278993 stable

HSPB8 0.00119464 2.573341876 0.628958004 0.533074145 0.835661445 -6.791306092 stable

LINC00910 -0.007305076 2.90402026 -0.628940881 0.533085238 0.835661445 -6.791316936 stable

CTSH -0.097250815 12.65528241 -0.628876936 0.533126664 0.835661445 -6.791357432 stable

CENPA /// SLC35F6 -0.080116326 2.87743688 -0.628818613 0.53316445 0.835661445 -6.791394364 stable

FBXW4 -0.040916509 9.689164715 -0.628807724 0.533171505 0.835661445 -6.791401259 stable

KLK2 -0.001418595 2.3811639 -0.628804815 0.53317339 0.835661445 -6.791403101 stable

BMS1P6 -0.096239196 8.151244837 -0.628398599 0.533436607 0.835901179 -6.791660231 stable

GPR89A /// GPR89B 0.050636483 10.53352213 0.628387355 0.533443894 0.835901179 -6.791667346 stable

WDSUB1 0.069163453 9.588001003 0.628332739 0.533479289 0.835901179 -6.791701904 stable

SPINK6 0.00108901 2.317982001 0.628322554 0.53348589 0.835901179 -6.791708348 stable

ABLIM1 -0.085606955 12.38955527 -0.62829455 0.533504039 0.835901179 -6.791726066 stable

CCDC42 0.001935312 2.736347813 0.628052822 0.533660716 0.836090734 -6.791878975 stable

ALOX15B 0.021499274 2.391895948 0.627937296 0.533735602 0.836090734 -6.791952033 stable

CLVS2 -0.005299393 2.731975339 -0.627894053 0.533763635 0.836090734 -6.791979376 stable

SPSB1 -0.038601976 3.952854 -0.627888544 0.533767206 0.836090734 -6.791982859 stable

C18orf12 -0.006854074 2.640535768 -0.627746254 0.533859453 0.836179543 -6.792072817 stable

NLRP11 0.001216863 2.463616567 0.627322332 0.53413433 0.836554373 -6.792340708 stable

SLC35F5 -0.028883997 3.978926971 -0.627157029 0.534241535 0.836634506 -6.792445121 stable

SLC1A4 0.135459897 7.8236204 0.62713375 0.534256633 0.836634506 -6.792459823 stable

MED24 /// MIR6884 -0.020313258 9.216339821 -0.626971272 0.534362019 0.836743828 -6.792562421 stable

RPS6KA3 0.044005523 11.2165161 0.626742459 0.534510449 0.836873633 -6.792706863 stable

GRIP2 -0.00283351 2.269657887 -0.626733787 0.534516075 0.836873633 -6.792712337 stable

DQ592230 /// RP4-555D20.2 0.001696557 2.556665803 0.626667636 0.534558991 0.836885118 -6.792754085 stable

NEU3 0.017406764 2.624480187 0.626590539 0.53460901 0.836907723 -6.792802737 stable

ZNF697 -0.023095756 4.178001972 -0.626459997 0.53469371 0.836983654 -6.792885101 stable

NYX -0.005494039 3.314160048 -0.626400318 0.534732434 0.836983654 -6.792922749 stable

PATL2 0.083491062 8.845479016 0.626322095 0.534783193 0.836983654 -6.79297209 stable

CLDN12 /// LOC102723899 0.001030751 2.36207243 0.626286171 0.534806505 0.836983654 -6.792994748 stable

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TAPBP 0.050100493 10.6778044 0.626023338 0.53497708 0.836983654 -6.793160484 stable

ATP5A1 0.009300064 2.582945804 0.626019579 0.534979519 0.836983654 -6.793162854 stable

CCDC104 -0.067096902 8.934138146 -0.625943588 0.535028842 0.836983654 -6.793210759 stable

C1orf145 -0.019693916 3.840118647 -0.625942655 0.535029447 0.836983654 -6.793211347 stable

TCF25 -0.028650343 10.79275055 -0.625931263 0.535036842 0.836983654 -6.793218528 stable

NIT1 0.036302686 9.764265186 0.62586881 0.535077379 0.836983654 -6.793257894 stable

TCTEX1D1 0.003604694 3.132544435 0.625815872 0.535111742 0.836983654 -6.793291259 stable

KIDINS220 0.091044366 6.958262489 0.625796345 0.535124418 0.836983654 -6.793303565 stable

RD3 -0.002003051 2.534635251 -0.625747875 0.535155882 0.836983654 -6.793334111 stable

CYTH4 -0.077345546 7.825423522 -0.625693342 0.535191282 0.836983654 -6.793368475 stable

TUBD1 -0.030540703 8.208229486 -0.625632075 0.535231056 0.836990205 -6.793407079 stable

LOC101928207 -0.006444067 3.344408287 -0.625543371 0.535288644 0.837024611 -6.793462963 stable

OR1I1 -0.001222434 2.125926127 -0.625450996 0.535348619 0.837028878 -6.793521152 stable

ST18 0.004374347 3.011842543 0.625429547 0.535362546 0.837028878 -6.793534662 stable

KIF9 -0.014720091 3.343646328 -0.625225228 0.535495216 0.837115516 -6.793663334 stable

LOC100287610 /// ZNF717 0.002155433 2.610943187 0.625215677 0.535501418 0.837115516 -6.793669348 stable

HACE1 -0.037458438 7.116149728 -0.625134662 0.535554028 0.837115516 -6.793720355 stable

GPR88 0.001511962 2.581377183 0.625124973 0.53556032 0.837115516 -6.793726455 stable

NAALAD2 0.006990381 3.276284506 0.625036729 0.535617628 0.83714946 -6.793782006 stable

HFM1 0.00307776 2.746830065 0.624874903 0.53572273 0.837258096 -6.793883858 stable

COX10-AS1 0.095572656 6.137389596 0.624753947 0.535801296 0.837325246 -6.79395997 stable

KRT75 0.003485533 1.872280345 0.624632802 0.53587999 0.837392589 -6.794036186 stable

TMLHE -0.02330274 4.205706137 -0.624533012 0.535944817 0.837438255 -6.794098956 stable

SMAGP 0.09762735 7.049495027 0.624354003 0.536061118 0.837564339 -6.794211533 stable

RP11-394I13.2 -0.036792564 2.905510927 -0.624270899 0.536115114 0.837567499 -6.794263785 stable

RP4-612B15.3 0.020069774 3.439260282 0.624241281 0.536134359 0.837567499 -6.794282406 stable

CCDC15 0.035459139 3.240600549 0.624014849 0.536281499 0.837741724 -6.794424735 stable

TSSK2 -0.001522732 2.578654143 -0.623862182 0.536380717 0.837801213 -6.794520669 stable

CIRH1A /// HAS3 0.005743373 2.379052972 0.623846639 0.536390819 0.837801213 -6.794530435 stable

RP11-184E9.2 0.0069875 2.799370076 0.623667985 0.536506939 0.837856655 -6.794642667 stable

SFSWAP -0.033832611 8.430430445 -0.623651188 0.536517858 0.837856655 -6.794653217 stable

PCAT18 0.001335114 2.455390388 0.623627616 0.53653318 0.837856655 -6.794668023 stable

FBXO9 0.042578675 9.335410158 0.623446667 0.536650808 0.837945332 -6.794781657 stable

TOR2A 0.080452883 8.082275603 0.623409659 0.536674868 0.837945332 -6.794804893 stable

FCAR -0.140705567 9.170926736 -0.623314042 0.536737032 0.837945332 -6.794864924 stable

AVL9 0.005571078 3.151568349 0.623284159 0.536756461 0.837945332 -6.794883683 stable

NOS2 0.001608569 2.46744748 0.623266267 0.536768093 0.837945332 -6.794894914 stable

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MPND 0.063068359 8.396823894 0.623031599 0.53692068 0.837949681 -6.795042194 stable

DCTN6 -0.027083677 10.47605591 -0.623031422 0.536920795 0.837949681 -6.795042305 stable

LOC283665 0.005337944 3.114728231 0.622932148 0.536985352 0.837949681 -6.795104594 stable

LOC101928809 0.008975977 3.307669765 0.622901834 0.537005066 0.837949681 -6.795123612 stable

MPG -0.050916236 8.731892956 -0.622879626 0.537019509 0.837949681 -6.795137544 stable

CTB-25B13.12 -0.042593648 6.419617783 -0.622878474 0.537020258 0.837949681 -6.795138267 stable

SAR1B 0.076663354 7.86970535 0.622728718 0.537117654 0.838046059 -6.795232204 stable

STX1B -0.001152027 2.050576862 -0.622596737 0.537203497 0.8381244 -6.795314973 stable

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TBX10 -0.005099607 2.342322895 -0.622444974 0.537302216 0.838127584 -6.795410126 stable

KIAA0509 0.001093472 2.305436992 0.622390735 0.5373375 0.838127584 -6.795444128 stable

CRELD2 0.042588748 10.13763297 0.622331929 0.537375756 0.838127584 -6.79548099 stable

LINC01102 0.001074183 2.256321445 0.622319713 0.537383704 0.838127584 -6.795488647 stable

BC048997 0.00306234 2.449708375 0.622199035 0.537462215 0.838194455 -6.795564279 stable

LINC00884 -0.001639928 2.618236636 -0.62205955 0.537552971 0.83821312 -6.795651681 stable

LOC101929133 0.001068964 2.370414409 0.622045187 0.537562316 0.83821312 -6.79566068 stable

GABRQ -0.000944253 2.030369664 -0.621921573 0.537642752 0.83821312 -6.795738118 stable

SNAI3-AS1 -0.014134085 2.572531048 -0.621916285 0.537646193 0.83821312 -6.795741431 stable

GUK1 0.032231159 11.49321073 0.621871758 0.537675168 0.83821312 -6.795769321 stable

L1TD1 0.052429119 3.12437173 0.621852033 0.537688005 0.83821312 -6.795781675 stable

BC045784 -0.072204808 4.208018701 -0.621542432 0.5378895 0.838427122 -6.79597554 stable

PLEKHG4B 0.008832849 3.47541386 0.621458723 0.537943986 0.838427122 -6.79602794 stable

YTHDC1 0.029699228 12.78136623 0.621372319 0.538000229 0.838427122 -6.79608202 stable

SRD5A3 0.061487177 3.643599121 0.621264203 0.53807061 0.838427122 -6.796149679 stable

PIP5K1C -0.038726048 9.235578674 -0.621256927 0.538075347 0.838427122 -6.796154232 stable

ATP6V1B1 -0.010496979 2.871052922 -0.62122129 0.538098547 0.838427122 -6.796176531 stable

LATS2 0.067229285 6.533506947 0.621191214 0.538118127 0.838427122 -6.796195349 stable

INS 0.001503769 2.402080571 0.621190219 0.538118774 0.838427122 -6.796195972 stable

LOC100130111 -0.004635014 3.038636601 -0.621112618 0.538169296 0.838427122 -6.796244522 stable

C11orf44 0.001662949 2.135508028 0.621093507 0.538181739 0.838427122 -6.796256478 stable

AC092660.1 0.007230122 2.664631224 0.620919016 0.538295351 0.838499006 -6.796365621 stable

NAA16 -0.048729353 8.55324466 -0.620913137 0.538299179 0.838499006 -6.796369297 stable

HIVEP1 -0.035584415 2.466878245 -0.620741309 0.538411069 0.838583964 -6.796476744 stable

GPR32 0.000908668 2.12174821 0.620621789 0.538488906 0.838583964 -6.796551465 stable

GRIK5 0.000813942 1.845743826 0.620590536 0.53850926 0.838583964 -6.796571001 stable

DRG2 -0.024691363 9.245355927 -0.620520848 0.538554647 0.838583964 -6.79661456 stable

AX747517 /// CST6 -0.003966358 2.699328216 -0.620515985 0.538557814 0.838583964 -6.796617599 stable

LOC101928968 0.000902944 2.112765658 0.620500905 0.538567636 0.838583964 -6.796627024 stable

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FAM83E -0.001121354 2.251370766 -0.62003258 0.538872706 0.838889453 -6.796919616 stable

STAT2 0.069363406 9.173099457 0.619930428 0.538939261 0.838889453 -6.796983408 stable

SSFA2 -0.044311557 9.644791717 -0.619770141 0.5390437 0.838889453 -6.797083483 stable

RTKN2 0.052119072 4.27115018 0.619765155 0.539046949 0.838889453 -6.797086596 stable

CLEC10A 0.09937269 8.948584898 0.619757934 0.539051655 0.838889453 -6.797091104 stable

GPR22 0.043762565 2.802985043 0.619746504 0.539059103 0.838889453 -6.797098239 stable

TSPAN12 0.006613051 3.149637529 0.619707036 0.539084821 0.838889453 -6.797122876 stable

PRH1-PRR4 /// PRR4 -0.059980668 5.639279984 -0.6195946 0.539158092 0.838908342 -6.797193054 stable

LIN7B -0.031492333 6.29028812 -0.619578947 0.539168293 0.838908342 -6.797202823 stable

CCDC116 -0.001147788 2.033823678 -0.619492023 0.539224941 0.838940987 -6.797257067 stable

LOC339807 -0.002354583 2.620146156 -0.6192865 0.539358894 0.839093892 -6.797385291 stable

MYCNOS -0.001967558 2.673841415 -0.618981319 0.539557834 0.839347871 -6.797575617 stable

BAI2 0.009978964 2.904774514 0.618873942 0.539627839 0.839353392 -6.797642559 stable

KIAA0753 0.033564505 7.364501958 0.618866404 0.539632754 0.839353392 -6.797647258 stable

RGPD1 /// RGPD2 -0.068477641 5.175722201 -0.618807692 0.539671033 0.839357428 -6.797683857 stable

CHST15 0.110752168 11.46312602 0.618740803 0.539714647 0.839369757 -6.797725548 stable

TNFRSF10C 0.178687081 7.032583875 0.6185215 0.53985765 0.839536646 -6.797862206 stable

ASRGL1 -0.102681474 8.033291742 -0.618230971 0.540047127 0.839770863 -6.798043175 stable

DNAJB13 -0.023517889 2.520762549 -0.618179262 0.540080855 0.839770863 -6.798075376 stable

OR7E19P 0.001436028 2.203600159 0.617939757 0.540237087 0.839770863 -6.798224488 stable

LOC100507388 0.000929601 2.225104181 0.617918755 0.540250788 0.839770863 -6.798237561 stable

ANKRD13D -0.046719035 8.590550506 -0.617895358 0.540266052 0.839770863 -6.798252124 stable

ATP8B1 -0.089050333 7.980392561 -0.617891666 0.54026846 0.839770863 -6.798254422 stable

URB1 0.02376829 2.91704004 0.617888749 0.540270363 0.839770863 -6.798256238 stable

LINC00879 0.001310491 2.261887953 0.617852694 0.540293885 0.839770863 -6.798278678 stable

FGF7 /// KGFLP1 /// KGFLP2 0.027095511 4.116312747 0.61767448 0.540410158 0.839896084 -6.798389579 stable

MRPL32 0.026544426 10.6490893 0.617549926 0.540491429 0.839898852 -6.798467069 stable

KRBA2 0.026621956 4.424009556 0.617518432 0.54051198 0.839898852 -6.798486661 stable

RASA1 -0.025381752 10.69888953 -0.617441901 0.54056192 0.839898852 -6.798534264 stable

C4orf17 0.006399708 2.987123472 0.617403862 0.540586743 0.839898852 -6.798557922 stable

FGFR3 0.000873032 2.255478717 0.617398133 0.540590482 0.839898852 -6.798561485 stable

TCRVA15 /// TRAV5 /// TRAV5 /// YME1L1 0.091128637 4.670683036 0.617252946 0.540685233 0.839990579 -6.798651772 stable

SCT -0.012188204 2.857022566 -0.617130846 0.540764924 0.840058898 -6.798727684 stable

PMPCB -0.016283169 2.925735684 -0.616958951 0.540877124 0.840177707 -6.798834531 stable

IARS -0.032186194 11.39835318 -0.616782679 0.540992195 0.840300958 -6.798944068 stable

LOC283745 0.000977439 2.270423737 0.616624859 0.54109523 0.840405502 -6.799042113 stable

MCHR1 0.000808601 1.894558251 0.616226591 0.541355292 0.840688497 -6.799289426 stable

KLHL30-AS1 0.005533793 2.571356303 0.616218723 0.541360431 0.840688497 -6.79929431 stable

CIB3 0.003005604 2.989971142 0.616181618 0.541384663 0.840688497 -6.799317343 stable

ESPL1 -0.008882249 2.37086102 -0.616015118 0.541493407 0.84077044 -6.799420681 stable

UPRT 0.020847864 9.143726248 0.61599136 0.541508924 0.84077044 -6.799435423 stable

NARF 0.030750746 10.25250114 0.615905663 0.5415649 0.840782239 -6.799488599 stable

PRSS12 0.001667928 2.653173865 0.615867414 0.541589883 0.840782239 -6.799512329 stable

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CRIM1 0.055894305 8.241500192 0.615626214 0.54174745 0.84088534 -6.799661946 stable

FABP1 -0.002077602 2.848237251 -0.615604434 0.541761679 0.84088534 -6.799675453 stable

MRAS -0.049454311 3.423984853 -0.615411042 0.541888033 0.840985235 -6.799795369 stable

GABRR2 0.024600618 3.490710439 0.615396479 0.541897548 0.840985235 -6.799804397 stable

LCA5L 0.002024847 2.527672684 0.615254691 0.541990197 0.841040262 -6.799892289 stable

GBP1 0.104842054 11.11414224 0.615222345 0.542011334 0.841040262 -6.799912337 stable

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PET117 -0.027239563 2.381451488 -0.615064797 0.542114293 0.84106722 -6.80000997 stable

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CABIN1 -0.036462743 9.863610896 -0.61498471 0.542166634 0.841069872 -6.800059591 stable

RP11-362K14.6 0.033228384 3.993017384 0.614809278 0.542281297 0.84119227 -6.800168264 stable

LENG1 0.04696603 7.509116211 0.614584024 0.542428543 0.841365192 -6.800307756 stable

VAPB -0.033004206 3.116619081 -0.614480526 0.542496206 0.841376156 -6.800371831 stable

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PCNXL3 0.069720867 6.920295885 0.614235463 0.542656434 0.841552185 -6.800523507 stable

RRS1-AS1 0.001491952 2.370337966 0.614107481 0.542740122 0.841569431 -6.800602696 stable

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LOC101928830 /// LTA4H -0.065912772 13.5912352 -0.613952422 0.542841524 0.841569431 -6.800698616 stable

ZNF229 0.005791751 2.824356723 0.613949137 0.542843673 0.841569431 -6.800700648 stable

CMTM6 0.017637111 3.769856009 0.613944886 0.542846453 0.841569431 -6.800703277 stable

DUSP28 -0.022697667 8.578939019 -0.613880779 0.542888379 0.84157896 -6.800742926 stable

LINC01359 0.00724923 2.134056979 0.613739984 0.542980466 0.841666241 -6.800829992 stable

ODAM 0.002573841 2.579050993 0.613445007 0.543173422 0.841906718 -6.801012339 stable

PTPRO -0.003225821 2.321767658 -0.613393388 0.543207192 0.841906718 -6.801044239 stable

CNOT8 0.021585135 11.48611803 0.613296452 0.543270611 0.841949531 -6.801104139 stable

APBA1 0.003451837 2.681939742 0.613073133 0.543416729 0.842120496 -6.801242098 stable

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RP11-435O5.5 -0.022275478 2.721920902 -0.612903015 0.543528052 0.842182037 -6.801347159 stable

MTFMT -0.050698048 7.382089014 -0.612747807 0.543629628 0.842248818 -6.801442986 stable

GOLGA6A /// GOLGA6B /// GOLGA6C /// GOLGA6D -0.006728498 2.765114594 -0.61272773 0.543642768 0.842248818 -6.80145538 stable

LOC101927482 -0.087381569 4.809851888 -0.612535827 0.543768374 0.84238793 -6.801573827 stable

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PLBD2 -0.056587003 8.586029417 -0.612354572 0.543887026 0.842460766 -6.801685669 stable

SRGN -0.137808082 9.871605299 -0.61223552 0.543964965 0.842502134 -6.80175911 stable

CERS1 /// GDF1 0.001592941 2.393354627 0.612204351 0.543985371 0.842502134 -6.801778336 stable

ENPP7 0.064772556 4.478127204 0.612091541 0.544059231 0.842561046 -6.801847911 stable

LIMS2 -0.109633917 5.848375976 -0.611919646 0.544171785 0.842640227 -6.801953902 stable

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TK2 0.106922537 7.294620639 0.61182074 0.544236553 0.842641041 -6.802014875 stable

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UTF1 0.036858423 3.807646259 0.611609802 0.544374696 0.842641041 -6.802144879 stable

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MAGEB3 -0.022522664 3.29283373 -0.611465615 0.544469135 0.842641041 -6.802233719 stable

CACNG7 -0.010786651 2.910987876 -0.611373411 0.544529531 0.842679065 -6.802290519 stable

LHX5 -0.004435921 2.817236462 -0.611168802 0.544663568 0.842783331 -6.802416534 stable

STAT1 0.060550006 12.57844861 0.611161168 0.544668569 0.842783331 -6.802421234 stable

LOC101929657 0.003010943 2.807032062 0.61108116 0.544720985 0.842808992 -6.802470497 stable

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PIGM 0.054941159 9.071849753 0.610672827 0.544988544 0.843056595 -6.802721822 stable

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ZCCHC13 0.002447492 2.337831888 0.610116829 0.545352967 0.843287564 -6.803063767 stable

LRRC6 0.203309734 5.369273811 0.609987255 0.545437913 0.843363473 -6.803143413 stable

FAM104A -0.023345172 9.878671212 -0.609809846 0.54555423 0.843434004 -6.803252435 stable

LOC1720 0.002874776 3.050382967 0.609808297 0.545555246 0.843434004 -6.803253387 stable

HUNK 0.001137882 2.219974281 0.609682642 0.545637638 0.84347693 -6.803330585 stable

PPP2R2D -0.028148789 9.357602001 -0.609635258 0.54566871 0.84347693 -6.803359693 stable

MIR612 /// NEAT1 -0.079156152 9.986063035 -0.609567402 0.545713207 0.84347693 -6.803401372 stable

NDUFB1 -0.019015802 12.57519528 -0.609547202 0.545726454 0.84347693 -6.803413778 stable

RCCD1 -0.048998395 7.224259433 -0.609456513 0.545785928 0.843513425 -6.803469473 stable

PROK1 0.001319495 2.474938819 0.609016975 0.546074226 0.843903539 -6.803739291 stable

RP11-286E11.2 0.00597138 2.850519208 0.608849689 0.546183971 0.843970737 -6.803841933 stable

ORAOV1 -0.028201246 7.580378225 -0.608841305 0.546189472 0.843970737 -6.803847076 stable

PDE4D -0.017889829 2.667439107 -0.608684558 0.546292314 0.84402226 -6.803943225 stable

SMARCD3 -0.111849515 8.842297139 -0.6086811 0.546294583 0.84402226 -6.803945346 stable

COL5A2 -0.009593916 2.906634025 -0.608422917 0.546464 0.844228554 -6.804103661 stable

CTD-2639E6.4 0.009989212 2.873890365 0.60836588 0.54650143 0.84423093 -6.804138627 stable

PDCD4 -0.117098538 8.353766041 -0.608131637 0.546655166 0.844412962 -6.804282192 stable

DHX58 -0.045214768 4.876359996 -0.607886781 0.546815893 0.844555459 -6.804432205 stable

SAMM50 0.037707084 9.611544455 0.607881699 0.546819229 0.844555459 -6.804435318 stable

ELAVL4 0.001842699 2.503346126 0.607635068 0.546981144 0.844579488 -6.804586356 stable

QSER1 -0.005707576 3.045879226 -0.607628336 0.546985564 0.844579488 -6.804590478 stable

ZNF750 0.004926064 3.150827417 0.60757354 0.547021542 0.844579488 -6.804624027 stable

LOC285768 0.001036483 2.541244134 0.607557776 0.547031892 0.844579488 -6.804633678 stable

CEACAM8 -0.418953483 6.326410265 -0.607526405 0.547052491 0.844579488 -6.804652883 stable

CCDC57 0.025803644 4.812317556 0.607399391 0.547135892 0.844579488 -6.80473063 stable

PDGFRL -0.001212376 2.448520171 -0.607334257 0.547178664 0.844579488 -6.804770494 stable

KCNG1 -0.009813421 2.344573877 -0.607331251 0.547180637 0.844579488 -6.804772333 stable

GPATCH1 0.029295214 7.909702154 0.607328141 0.54718268 0.844579488 -6.804774236 stable

NUCB2 -0.062049318 10.72206863 -0.607280078 0.547214242 0.844579488 -6.804803649 stable

TUBA8 -0.018093225 2.534963537 -0.607256435 0.547229769 0.844579488 -6.804818117 stable

LINC00165 0.001079305 2.181243762 0.607152948 0.547297733 0.844605625 -6.804881436 stable

TEX33 0.001811173 2.722086946 0.607121295 0.547318521 0.844605625 -6.804900801 stable

PRR26 0.002247664 2.990027736 0.606979769 0.547411475 0.84469365 -6.804987374 stable

L3MBTL2 0.031505901 8.676092665 0.606669973 0.547614977 0.844748675 -6.805176809 stable

UNC13B -0.029347273 2.350285232 -0.606652754 0.547626289 0.844748675 -6.805187335 stable

RNF180 0.009950583 3.541057008 0.60662712 0.54764313 0.844748675 -6.805203006 stable

PPA1 -0.057908701 12.46664586 -0.606624465 0.547644874 0.844748675 -6.805204628 stable

YWHAZ 0.032065375 14.21212473 0.606527221 0.547708762 0.844748675 -6.805264067 stable

SRRT -0.023912265 8.444738202 -0.606483417 0.547737542 0.844748675 -6.805290839 stable

ADORA2A /// SPECC1L-ADORA2A -0.046307602 8.677822661 -0.606481846 0.547738574 0.844748675 -6.805291799 stable

LOC101928461 0.001061861 2.128518669 0.606479921 0.547739839 0.844748675 -6.805292976 stable

RALY-AS1 0.007855681 2.66720316 0.606399883 0.547792428 0.844748675 -6.805341887 stable

C14orf182 -0.070484507 3.883827 -0.606378799 0.547806281 0.844748675 -6.805354771 stable

HAGHL -0.048835005 7.169680746 -0.606251499 0.54788993 0.84477807 -6.805432549 stable

NOTCH4 -0.093121534 6.61198928 -0.606240473 0.547897175 0.84477807 -6.805439285 stable

LINC00996 0.131368496 4.056929091 0.606081547 0.548001614 0.844883716 -6.805536361 stable

ITPRIPL2 0.111825908 8.553355672 0.60595232 0.548086544 0.844955196 -6.805615278 stable

ZNF202 -0.054296325 7.835586783 -0.605853619 0.548151417 0.844955196 -6.805675542 stable

GLMN 0.039122531 7.696590794 0.60584703 0.548155748 0.844955196 -6.805679565 stable

PARP15 -0.077672219 8.670313889 -0.605576366 0.548333666 0.84505016 -6.805844773 stable

POF1B 0.003916523 2.960877584 0.605510122 0.548377215 0.84505016 -6.805885197 stable

KCNJ10 0.000867875 2.128763738 0.605478623 0.548397924 0.84505016 -6.805904417 stable

SWT1 -0.039449149 7.562650806 -0.605463582 0.548407812 0.84505016 -6.805913594 stable

TMEM207 0.002432214 2.545810453 0.605416998 0.548438439 0.84505016 -6.805942015 stable

ABCA2 -0.003057323 2.429402601 -0.605375578 0.548465671 0.84505016 -6.805967285 stable

EXOC3 -0.019229831 9.748340797 -0.605370747 0.548468847 0.84505016 -6.805970231 stable

S100A5 0.036855634 2.705260943 0.60503681 0.548688426 0.845309311 -6.806173894 stable

ATHL1 /// LOC101930595 -0.060401536 4.254539139 -0.604924398 0.548762352 0.845309311 -6.806242427 stable

PRR15L -0.003004977 2.749102146 -0.604902743 0.548776594 0.845309311 -6.806255628 stable

FAM135A 0.005977025 2.899813569 0.604896349 0.548780799 0.845309311 -6.806259525 stable

SPATA6 -0.098302714 5.609615885 -0.60474412 0.54888092 0.845335488 -6.806352309 stable

HIST1H3F -0.003962684 3.165945701 -0.604722639 0.548895049 0.845335488 -6.8063654 stable

AP1M1 -0.022917644 11.38007432 -0.604706578 0.548905612 0.845335488 -6.806375187 stable

THEG5 0.004492705 3.290239104 0.604626368 0.548958372 0.845361389 -6.806424063 stable

SLC5A10 0.008244133 4.277301991 0.604546433 0.549010952 0.845387012 -6.806472765 stable

ATM -0.1077383 7.715733139 -0.604409233 0.549101208 0.845452305 -6.806556343 stable

LOC101928491 0.001864381 2.447182625 0.604276882 0.549188281 0.845452305 -6.806636949 stable

MCCC2 0.005053018 3.079845433 0.6042615 0.549198401 0.845452305 -6.806646316 stable

ADPRHL1 -0.004407496 2.842691829 -0.604226968 0.549221121 0.845452305 -6.806667344 stable

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LIPA /// LOC101926887 -0.009983313 2.785463591 -0.604154165 0.549269022 0.845452305 -6.806711672 stable

HBS1L 0.112372148 6.929872584 0.604063348 0.549328778 0.845484211 -6.806766961 stable

CPA5 -0.158540136 5.831212912 -0.603958496 0.549397774 0.845484211 -6.806830785 stable

HOXA2 -0.002453245 2.433818009 -0.603922075 0.549421741 0.845484211 -6.806852952 stable

ARHGDIG -0.009216412 2.573054461 -0.603859226 0.549463101 0.845484211 -6.806891201 stable

LOC100294145 0.021486376 4.301268654 0.603849411 0.549469559 0.845484211 -6.806897173 stable

JARID2 -0.019830516 11.65762357 -0.603794911 0.549505426 0.845484211 -6.806930337 stable

SSH1 0.035482098 3.641537749 0.603605392 0.549630158 0.845620811 -6.80704564 stable

LOC100130264 -0.006907198 2.74215561 -0.603525545 0.549682714 0.845646355 -6.807094207 stable

RAP1GDS1 0.035956918 10.05514128 0.603400534 0.549765003 0.845709985 -6.807170235 stable

ZMAT5 -0.054143337 7.512791186 -0.603353467 0.549795986 0.845709985 -6.807198854 stable

LOC100506557 0.00123112 2.541731731 0.603281318 0.549843482 0.845727737 -6.807242723 stable

WHSC1L1 0.056635674 5.489727738 0.603079161 0.549976575 0.845844414 -6.80736561 stable

LINC00998 -0.031345663 7.861585723 -0.603056855 0.549991262 0.845844414 -6.807379167 stable

NBPF8 0.037504479 3.941983083 0.602971065 0.550047748 0.845875978 -6.807431303 stable

MSI1 -0.00659889 3.16194261 -0.602854464 0.550124527 0.845923938 -6.807502151 stable

PRPF40A -0.020199665 11.45411597 -0.602736044 0.550202508 0.845923938 -6.807574091 stable

CLUAP1 -0.056723884 8.1245637 -0.602721128 0.550212331 0.845923938 -6.807583152 stable

LOC100996724 0.00078871 1.90913459 0.602705241 0.550222793 0.845923938 -6.807592802 stable

OR3A1 0.001349099 2.323592049 0.602503231 0.550355836 0.846073178 -6.807715485 stable

SMURF2 0.037464965 9.988971949 0.602392364 0.55042886 0.846082008 -6.807782799 stable

LOC101928061 /// SERP1 0.032910521 11.87767459 0.602385284 0.550433523 0.846082008 -6.807787096 stable

LOC100505874 /// MLLT10P1 -0.008841684 3.017025856 -0.602273441 0.550507195 0.846136564 -6.80785499 stable

OR51J1 /// OR51J1 0.006269009 2.237231082 0.60222218 0.550540962 0.846136564 -6.807886103 stable

CAPNS1 0.033213447 13.18648565 0.602090562 0.550627669 0.846214531 -6.807965978 stable

HSFX1 /// HSFX2 0.002527779 2.891925836 0.601899699 0.550753418 0.846319708 -6.808081776 stable

C9orf66 -0.066136018 4.454514226 -0.601877461 0.55076807 0.846319708 -6.808095266 stable

ALDH7A1 -0.022914439 3.872866717 -0.601750056 0.550852018 0.84639341 -6.808172541 stable

GPR97 0.158070982 3.262257522 0.601677423 0.55089988 0.846411659 -6.808216587 stable

MS4A5 0.00215948 2.531250608 0.601494576 0.551020377 0.846446945 -6.808327448 stable

SOD3 0.003819415 2.561602515 0.601434289 0.55106011 0.846446945 -6.808363993 stable

PROK2 0.258338883 7.592458733 0.601410273 0.551075938 0.846446945 -6.80837855 stable

KCNS1 -0.009894551 2.841860673 -0.601367668 0.551104019 0.846446945 -6.808404374 stable

PTTG1 -0.079447114 7.774268625 -0.60132273 0.551133637 0.846446945 -6.808431609 stable

GPR26 0.009963909 3.323223043 0.601184135 0.551224991 0.846446945 -6.808515595 stable

EIF1AX -0.040866386 9.996857127 -0.601144737 0.551250961 0.846446945 -6.808539465 stable

MDH1 0.02552203 11.97946215 0.601075271 0.551296753 0.846446945 -6.80858155 stable

LOC100289097 /// LOC642236 -0.047108534 9.963920792 -0.601030643 0.551326172 0.846446945 -6.808608585 stable

AC007787.2 -0.001120991 2.091600412 -0.600996839 0.551348457 0.846446945 -6.808629061 stable

LOC728024 0.019435815 4.373741266 0.600945191 0.551382506 0.846446945 -6.808660344 stable

NCAPG -0.103262994 4.992610978 -0.600942266 0.551384435 0.846446945 -6.808662115 stable

ZHX1-C8orf76 -0.038574853 5.057771391 -0.600898691 0.551413162 0.846446945 -6.808688506 stable

SYNJ2 0.085616247 4.297221299 0.600878213 0.551426663 0.846446945 -6.808700908 stable

WEE1 0.069362156 7.769104382 0.600681293 0.551556499 0.846463783 -6.808820145 stable

CCDC30 0.025345399 2.607132503 0.600671032 0.551563265 0.846463783 -6.808826357 stable

AOX2P -0.004817273 2.416807846 -0.600610623 0.551603097 0.846463783 -6.808862926 stable

PRPS1 0.030746365 9.751268237 0.600558397 0.551637536 0.846463783 -6.808894539 stable

C11orf71 -0.047125571 7.508063797 -0.600529557 0.551656554 0.846463783 -6.808911996 stable

KANSL1 -0.037440438 11.48545914 -0.600464454 0.551699486 0.846463783 -6.808951398 stable

PCDH1 0.048556063 5.852107944 0.600433532 0.551719878 0.846463783 -6.808970111 stable

NLRP6 -0.029216461 2.458027683 -0.600424956 0.551725533 0.846463783 -6.808975301 stable

LOC101928907 0.00086113 1.999850409 0.600133465 0.55191778 0.846703503 -6.809151656 stable

CTRC -0.014978168 2.86781889 -0.600067988 0.551960969 0.846714534 -6.809191259 stable

USP40 -0.027324143 6.890144188 -0.599935712 0.552048224 0.846786966 -6.809271251 stable

IL6R -0.041033873 11.24131777 -0.599880142 0.552084883 0.846786966 -6.809304852 stable

TCP10L -0.01255766 2.807952251 -0.599832685 0.55211619 0.846786966 -6.809333544 stable

TMEM70 0.045879945 7.820756272 0.599696408 0.552206097 0.84685965 -6.809415923 stable

NEUROD2 0.013636881 3.496189592 0.599651707 0.55223559 0.84685965 -6.809442941 stable

LOC440354 /// SMG1P5 -0.091807409 10.21636426 -0.599577146 0.552284785 0.846879877 -6.809488003 stable

TTN -0.05785928 4.185193669 -0.599355211 0.552431231 0.847030652 -6.809622097 stable

DHRS1 -0.051491 9.875625172 -0.599318029 0.552455768 0.847030652 -6.809644558 stable

DNASE1L2 0.001090034 2.20927657 0.599264419 0.552491147 0.847030652 -6.809676941 stable

HTR1F -0.007730864 2.265009519 -0.599172747 0.552551646 0.847032493 -6.809732307 stable

MID1 -0.003897003 2.403141152 -0.599153467 0.552564371 0.847032493 -6.80974395 stable

CEBPA 0.102348533 10.63092504 0.599021016 0.55265179 0.84711129 -6.809823928 stable

BAX 0.048989778 9.285331315 0.59881911 0.552785064 0.847247855 -6.809945812 stable

EMCN 0.00103215 2.268366123 0.598776903 0.552812926 0.847247855 -6.809971286 stable

RAB8A -0.028200696 11.96487398 -0.598685778 0.552873082 0.847284842 -6.810026278 stable

SPDYE2 -0.126314297 8.298593238 -0.59815743 0.553221939 0.847764234 -6.810344965 stable

BRI3 /// FLJ30064 -0.001431851 2.536200945 -0.597934124 0.553369417 0.847846616 -6.810479574 stable

LOC100130950 0.005460276 2.445485129 0.597895216 0.553395115 0.847846616 -6.810503023 stable

CD5 -0.082489365 9.866129738 -0.597893158 0.553396475 0.847846616 -6.810504263 stable

AIFM1 0.033683146 8.73725827 0.597828399 0.553439248 0.847846616 -6.810543288 stable

NOD2 0.101917312 10.42693389 0.597788025 0.553465916 0.847846616 -6.810567616 stable

RP1-30M3.5 0.05549577 7.314364669 0.597748571 0.553491977 0.847846616 -6.810591388 stable

SOX8 0.107398821 4.021316122 0.597573317 0.553607747 0.847921783 -6.810696965 stable

LIMK2 0.061232178 7.941770023 0.597565143 0.553613147 0.847921783 -6.810701888 stable

APIP 0.031456368 8.260334983 0.597378581 0.553736401 0.848055338 -6.810814242 stable

PFKP -0.058386472 9.987415607 -0.597190714 0.553860531 0.848190217 -6.810927347 stable

ZNF670 /// ZNF670-ZNF695 /// ZNF695 0.002421082 2.807504347 0.597076288 0.553936143 0.848250783 -6.810996221 stable

CYP3A7 /// CYP3A7-CYP3AP1 -0.00227086 2.47655681 -0.596950841 0.554019044 0.848322501 -6.811071712 stable

MX1 -0.113914544 11.15110802 -0.596661492 0.554210283 0.848510477 -6.811245778 stable

RP11-16N11.2 0.010030452 2.850505809 0.596655935 0.554213956 0.848510477 -6.81124912 stable

P2RY1 0.04782748 3.681976075 0.596437431 0.554358393 0.848552933 -6.81138051 stable

LOC100506489 0.00553388 3.16777578 0.596371353 0.554402077 0.848552933 -6.811420235 stable

IFNA7 -0.001780952 2.277635488 -0.596332919 0.554427486 0.848552933 -6.811443338 stable

ICMT 0.055007548 8.524331294 0.59629546 0.554452251 0.848552933 -6.811465855 stable

BOLL 0.000951877 2.237875155 0.59623726 0.554490729 0.848552933 -6.811500835 stable

FGF14-AS2 -0.00831793 3.010738937 -0.596225362 0.554498596 0.848552933 -6.811507986 stable

BC052775 /// FNTB -0.087599701 4.885820756 -0.596183907 0.554526005 0.848552933 -6.8115329 stable

SUV39H2 0.068599163 5.453429232 0.596177414 0.554530298 0.848552933 -6.811536802 stable

FAM205CP /// FAM205CP -0.008033105 2.379315123 -0.595975007 0.554664133 0.848672999 -6.811658419 stable

PITX2 0.010891 3.729932768 0.595905711 0.554709957 0.848672999 -6.811700046 stable

ZNF850 0.031531996 3.892720739 0.595895052 0.554717006 0.848672999 -6.811706449 stable

DAB1-AS1 0.002982423 2.863736046 0.595670762 0.554865336 0.848724564 -6.811841149 stable

BC130595 -0.01761632 2.833050694 -0.595618404 0.554899966 0.848724564 -6.811872587 stable

TMEM184A 0.002932676 2.844787841 0.595558352 0.554939685 0.848724564 -6.81190864 stable

GTF3C2 0.025737671 10.07317354 0.595555255 0.554941734 0.848724564 -6.811910499 stable

EMP3 0.026949531 13.24263386 0.595537863 0.554953237 0.848724564 -6.81192094 stable

ARHGAP20 -0.005459418 2.873202404 -0.595516735 0.554967212 0.848724564 -6.811933623 stable

LINC00894 0.00333277 2.74016749 0.595112321 0.555234742 0.84898974 -6.812176312 stable

LOC441178 0.002805627 2.700980282 0.595094548 0.5552465 0.84898974 -6.812186974 stable

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MED15P9 -0.002867807 2.846915729 -0.594963208 0.5553334 0.849033744 -6.812265754 stable

COX16 /// SYNJ2BP-COX16 -0.057683607 7.251165758 -0.594932649 0.55535362 0.849033744 -6.812284081 stable

EDN3 0.001146554 2.381053616 0.594883773 0.555385961 0.849033744 -6.812313392 stable

GLYCTK 0.032924614 7.807080521 0.594812797 0.555432927 0.849050359 -6.812355952 stable

FOXP4 -0.052752722 6.913200845 -0.594727176 0.555489586 0.849055573 -6.812407287 stable

PLAC8L1 -0.013943056 3.527753312 -0.594698544 0.555508533 0.849055573 -6.812424452 stable

DNAJC18 0.034908287 3.19315612 0.594570446 0.555593308 0.84908596 -6.812501238 stable

CHRNA1 0.000917482 2.145229922 0.594559409 0.555600612 0.84908596 -6.812507852 stable

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RBM4B 0.04803728 8.432399164 0.594160844 0.555864425 0.849323577 -6.812746655 stable

PNMT 0.026279578 4.809255277 0.593957889 0.555998787 0.849458739 -6.812868196 stable

LOC102724870 -0.023241731 3.237369469 -0.593918122 0.556025116 0.849458739 -6.812892006 stable

PHF20L1 -0.0389514 8.118810146 -0.593822302 0.556088558 0.849500486 -6.812949371 stable

ALG10 /// ALG10B 0.0591263 5.040022612 0.593661812 0.556194827 0.849546087 -6.813045431 stable

DQ597730 /// LRRC37A2 0.06454281 8.295570823 0.593617188 0.556224377 0.849546087 -6.813072136 stable

ZHX2 -0.117262078 6.489162996 -0.593613582 0.556226765 0.849546087 -6.813074294 stable

TCEAL7 0.001600616 2.48368281 0.59353555 0.556278439 0.849569844 -6.813120986 stable

VPS9D1 -0.058937649 7.830545038 -0.593360092 0.55639464 0.849620684 -6.813225954 stable

GTF2H5 -0.052183475 4.033071354 -0.593276582 0.556449951 0.849620684 -6.813275904 stable

MGC34796 -0.018428049 4.851984831 -0.593249316 0.55646801 0.849620684 -6.813292211 stable

ZNF208 /// ZNF595 /// ZNF718 -0.004564613 2.776708992 -0.593222933 0.556485485 0.849620684 -6.813307989 stable

OARD1 -0.028373091 9.737677151 -0.593157662 0.556528719 0.849620684 -6.813347021 stable

MMP26 0.000944421 2.074851671 0.59310515 0.556563502 0.849620684 -6.81337842 stable

HMMR-AS1 0.001038854 2.214532289 0.593103522 0.556564581 0.849620684 -6.813379393 stable

KCNC2 0.011405582 3.480213848 0.592866942 0.556721305 0.849713714 -6.81352082 stable

LOC101928504 -0.004522699 2.410196033 -0.592832051 0.55674442 0.849713714 -6.813541672 stable

PRKRIR 0.025444794 11.63604379 0.592756996 0.556794147 0.849713714 -6.813586526 stable

DDX4 0.00157901 2.433319523 0.592755517 0.556795126 0.849713714 -6.813587409 stable

C10orf76 -0.049435389 7.724103473 -0.592671742 0.556850633 0.849713714 -6.813637467 stable

GABRA6 -0.001918669 2.71505469 -0.592657081 0.556860347 0.849713714 -6.813646227 stable

TMCC1-AS1 0.004991068 3.21730982 0.592588986 0.556905467 0.849713714 -6.813686909 stable

RHBDL3 -0.00094087 2.058528413 -0.592575311 0.556914528 0.849713714 -6.813695079 stable

PLA2G15 0.057414533 7.100933743 0.592502183 0.556962985 0.849732527 -6.813738762 stable

LMAN1 0.036608316 8.1454637 0.592430428 0.557010535 0.849749954 -6.81378162 stable

CPVL 0.085570652 12.13131198 0.592240626 0.557136319 0.849805607 -6.81389496 stable

TMEM30B -0.066333159 3.574589556 -0.592225883 0.55714609 0.849805607 -6.813903762 stable

MYL12B 0.014877628 13.18639471 0.592211829 0.557155405 0.849805607 -6.813912153 stable

OSGEPL1 0.029641851 8.192798469 0.592044106 0.557266571 0.849852876 -6.814012275 stable

RP11-95H11.1 -0.001235631 2.103161715 -0.591949439 0.557329321 0.849852876 -6.814068774 stable

PLEKHA7 -0.061695278 3.541827257 -0.591916445 0.557351192 0.849852876 -6.814088463 stable

LRRC39 -0.03621375 3.286952067 -0.591894424 0.557365789 0.849852876 -6.814101603 stable

RP11-396F22.1 -0.004562205 3.190822226 -0.591808667 0.557422639 0.849852876 -6.814152773 stable

LOC102724165 -0.036036875 3.223637956 -0.591749233 0.55746204 0.849852876 -6.814188231 stable

AP1S1 0.094895289 5.196509439 0.591678151 0.557509165 0.849852876 -6.814230634 stable

CBLB 0.002730549 2.614472902 0.591488435 0.557634949 0.849852876 -6.814343781 stable

GLIPR1L1 -0.001612155 2.457704362 -0.591485343 0.557636999 0.849852876 -6.814345625 stable

LOC101927972 0.005150748 3.171907507 0.591461924 0.557652528 0.849852876 -6.81435959 stable

POM121L9P 0.001927851 2.629552745 0.59145095 0.557659804 0.849852876 -6.814366134 stable

CECR6 -0.11908937 3.354888023 -0.591383307 0.557704656 0.849852876 -6.814406465 stable

AX746492 /// TNPO1 0.051200672 3.852498216 0.591317069 0.55774858 0.849852876 -6.814445955 stable

GPHA2 -0.007825676 2.883400942 -0.591315732 0.557749466 0.849852876 -6.814446752 stable

LOC101927406 0.001717706 2.723082832 0.591302828 0.557758023 0.849852876 -6.814454445 stable

RP11-29P20.1 0.001301753 2.490141733 0.591258147 0.557787653 0.849852876 -6.814481079 stable

DENND1C -0.024412126 10.02355255 -0.591220245 0.557812787 0.849852876 -6.814503671 stable

ALOX12P2 -0.004535923 2.356478386 -0.591184089 0.557836765 0.849852876 -6.814525221 stable

PA2G4 0.017714778 10.35411843 0.590981239 0.557971298 0.849960055 -6.814646102 stable

RNF32 -0.003856162 2.157195306 -0.59096904 0.557979389 0.849960055 -6.81465337 stable

AX747444 0.003038519 2.388469496 0.590842196 0.558063523 0.850033164 -6.814728935 stable

ELTD1 0.004638094 2.615638844 0.590721533 0.558143563 0.850100029 -6.814800804 stable

MAML2 -0.062332412 7.321509166 -0.590602383 0.558222605 0.850165365 -6.814871757 stable

RBM42 0.029765916 9.512488818 0.590449085 0.558324308 0.850177729 -6.814963025 stable

NRL -0.033323879 2.659846566 -0.590447337 0.558325468 0.850177729 -6.814964065 stable

LOC101927604 0.001451649 2.355687472 0.590398126 0.558358119 0.850177729 -6.814993359 stable

EPB42 -0.116331932 2.84076896 -0.590359164 0.558383969 0.850177729 -6.815016549 stable

PAX6 0.002609744 2.819403669 0.590265524 0.558446102 0.850177729 -6.815072279 stable

PTCD3 -0.029434152 10.19702209 -0.590202617 0.558487844 0.850177729 -6.815109713 stable

NAA15 -0.024600516 2.667978483 -0.590164166 0.558513359 0.850177729 -6.815132592 stable

LRRC55 -0.005585588 2.594334051 -0.590134725 0.558532896 0.850177729 -6.815150109 stable

OIP5 -0.078286498 2.902173182 -0.590089185 0.558563116 0.850177729 -6.815177203 stable

TMEM151A -0.002387014 2.169755865 -0.590045391 0.558592178 0.850177729 -6.815203257 stable

LY6E 0.051811721 10.68446795 0.589977863 0.558636993 0.850190923 -6.815243426 stable

OR2B2 0.001133767 2.039461261 0.58977845 0.558769342 0.850337325 -6.81536202 stable

FBLN2 -0.05857128 3.211687398 -0.589606853 0.558883243 0.850455636 -6.815464041 stable

RP11-327J17.2 -0.000878761 2.042661991 -0.589490089 0.558960754 0.850518559 -6.815533444 stable

SFTA1P 0.013062837 3.689537086 0.589399715 0.55902075 0.850554826 -6.815587152 stable

RP11-235E17.4 0.031713885 3.655750808 0.58922473 0.559136926 0.850632386 -6.815691122 stable

TMEM180 0.08550793 6.928620346 0.589213993 0.559144055 0.850632386 -6.8156975 stable

LMNB2 0.031598973 6.209582451 0.58908741 0.559228104 0.850644511 -6.81577269 stable

MIR4800 /// MXD4 -0.03991353 8.727781179 -0.588877647 0.559367397 0.850644511 -6.815897254 stable

WDR65 -0.003963893 3.199793018 -0.588830279 0.559398855 0.850644511 -6.815925377 stable

PLGLB1 /// PLGLB2 0.150597192 6.148774466 0.588801545 0.559417937 0.850644511 -6.815942435 stable

HSDL1 -0.037038807 8.88084817 -0.588799044 0.559419598 0.850644511 -6.81594392 stable

CPNE1 0.023803471 10.47840355 0.588789793 0.559425742 0.850644511 -6.815949412 stable

LINC01243 0.002034186 2.615513704 0.588780007 0.559432241 0.850644511 -6.815955221 stable

A2M-AS1 0.191361282 8.787295873 0.588766295 0.559441348 0.850644511 -6.815963361 stable

GAGE1 /// GAGE12B /// GAGE12C /// GAGE12D /// GAGE12E /// GAGE12F /// GAGE12G /// GAGE12H /// GAGE12I /// GAGE12J /// GAGE13 /// GAGE2A /// GAGE2B /// GAGE2C /// GAGE2D /// GAGE2E /// GAGE3 /// GAGE4 /// GAGE5 /// GAGE6 /// GAGE7 /// GAGE8 0.001754495 2.81381086 0.588624179 0.559535736 0.850733035 -6.816047713 stable

PTPRD -0.001351979 2.175739133 -0.588315512 0.55974077 0.850782555 -6.816230853 stable

SCN4B -0.00198289 2.47191825 -0.588292228 0.559756238 0.850782555 -6.816244664 stable

LOC101927124 0.005277635 2.934919813 0.588288319 0.559758835 0.850782555 -6.816246983 stable

LOC100996404 0.002423238 2.913193199 0.588287875 0.55975913 0.850782555 -6.816247246 stable

LOC102725383 0.002022104 2.790618278 0.588276444 0.559766724 0.850782555 -6.816254026 stable

ZNF683 0.088421827 8.485823142 0.588248432 0.559785333 0.850782555 -6.816270641 stable

PPIB 0.038877104 13.32185698 0.587997939 0.559951759 0.850980508 -6.816419178 stable

TMEM261 -0.076808184 7.028539752 -0.587798441 0.560084321 0.851126975 -6.816537432 stable

RGS13 0.006760233 3.297449432 0.587535144 0.560259302 0.851313608 -6.816693444 stable

ZFY-AS1 /// ZFY-AS1 0.003530112 3.152524291 0.58750472 0.560279523 0.851313608 -6.816711466 stable

PLTP -0.10421365 4.040712652 -0.587346228 0.560384868 0.851403483 -6.81680534 stable

LOC101928537 -0.005543823 3.119740676 -0.587122439 0.56053363 0.851403483 -6.816937845 stable

RPL36AL 0.032302278 14.02733029 0.587107215 0.560543751 0.851403483 -6.816946858 stable

TCOF1 -0.031692031 8.552801551 -0.587066784 0.56057063 0.851403483 -6.816970791 stable

RP11-701I24.3 -0.006789217 2.910737485 -0.587056421 0.560577519 0.851403483 -6.816976925 stable

LOC102724487 0.00352302 2.369545813 0.587051659 0.560580685 0.851403483 -6.816979744 stable

LOC101929683 -0.004772524 2.067126298 -0.586949551 0.56064857 0.851403483 -6.817040179 stable

GTF3C3 -0.093718009 5.108035224 -0.586922629 0.56066647 0.851403483 -6.817056111 stable

ENDOV 0.055587103 4.872885393 0.586914237 0.560672049 0.851403483 -6.817061077 stable

TRIB2 0.054059216 11.20025283 0.586832817 0.560726184 0.851403483 -6.817109257 stable

CTRB1 /// CTRB2 0.00548273 3.074467085 0.586813376 0.560739111 0.851403483 -6.81712076 stable

RGS20 -0.003918127 2.836129004 -0.586762343 0.560773044 0.851403483 -6.817150954 stable

GS1-259H13.2 0.003066523 2.415368335 0.586700151 0.560814398 0.851411312 -6.817187747 stable

BC040577 /// RP11-10K16.1 -0.00126372 2.228949059 -0.586617801 0.560869159 0.851422206 -6.81723646 stable

RFX5 -0.023013441 10.62230381 -0.586473712 0.560964981 0.851422206 -6.817321677 stable

SAMHD1 -0.096084403 8.123497739 -0.586399719 0.561014191 0.851422206 -6.81736543 stable

LINC01220 0.008214879 2.741227682 0.586349376 0.561047673 0.851422206 -6.817395195 stable

AC018755.17 0.002373787 2.741216381 0.586307826 0.561075308 0.851422206 -6.81741976 stable

TCEA2 -0.068124806 7.191416367 -0.586295181 0.561083719 0.851422206 -6.817427235 stable

LOC101927340 0.020418236 4.28029911 0.586099767 0.5612137 0.851422206 -6.817542739 stable

TUBB4BP7 /// TUBB4BP7 -0.001463514 2.432957723 -0.58608163 0.561225764 0.851422206 -6.817553458 stable

ANKRD20A12P -0.005018011 3.004417916 -0.586080691 0.561226389 0.851422206 -6.817554012 stable

MYO16 -0.001318138 2.177479096 -0.586078258 0.561228007 0.851422206 -6.81755545 stable

PTCHD4 0.000991386 2.172814081 0.586035079 0.561256731 0.851422206 -6.817580966 stable

LOC101927018 -0.011019992 3.560601725 -0.586019516 0.561267084 0.851422206 -6.817590162 stable

MS4A7 0.105100347 12.84504182 0.585910764 0.56133943 0.851422206 -6.817654417 stable

RP11-304C12.3 -0.004365866 3.152801735 -0.585805302 0.561409593 0.851422206 -6.817716718 stable

RPS8 /// SNORD38B /// SNORD55 0.014040344 15.75029978 0.585732092 0.561458302 0.851422206 -6.817759959 stable

ARHGAP24 -0.101608809 4.657101797 -0.585725439 0.561462728 0.851422206 -6.817763889 stable

CNDP2 -0.028904065 5.970665741 -0.585713712 0.561470531 0.851422206 -6.817770815 stable

LINC00564 0.003703746 3.101226626 0.585695158 0.561482876 0.851422206 -6.817781772 stable

CLDN10-AS1 0.003278862 2.896531515 0.58565538 0.561509343 0.851422206 -6.817805264 stable

MAGI1 0.002697302 2.681960586 0.585537401 0.561587846 0.851478585 -6.817874928 stable

KIF4A -0.04033287 2.192625805 -0.585490693 0.561618926 0.851478585 -6.817902504 stable

PABPC3 -0.016263667 14.59600614 -0.585407682 0.561674166 0.851507449 -6.817951508 stable

OGFRL1 -0.07133209 9.842077194 -0.585274998 0.561762467 0.85152505 -6.818029822 stable

ZNF341 0.04273567 4.470780709 0.585251977 0.561777788 0.85152505 -6.818043408 stable

LOC100506691 0.003714905 3.550266707 0.58522704 0.561794385 0.85152505 -6.818058124 stable

CACHD1 -0.083049333 5.144261496 -0.585104081 0.561876222 0.851536858 -6.818130676 stable

SMEK1 -0.019270172 11.16714579 -0.585005721 0.561941691 0.851536858 -6.818188702 stable

GALNT8 0.001182548 2.162726138 0.584960117 0.561972047 0.851536858 -6.818215603 stable

ZFP28 0.074012543 4.758045692 0.584952124 0.561977367 0.851536858 -6.818220317 stable

MAFF 0.078722945 6.628455588 0.584943375 0.561983191 0.851536858 -6.818225478 stable

LOC101927069 0.014320734 3.808195339 0.584754239 0.562109097 0.85167277 -6.818337019 stable

RP11-90C4.2 -0.004435336 2.930450842 -0.584602148 0.562210353 0.851771319 -6.818426687 stable

PHLDB2 0.008965053 3.446008756 0.584503055 0.56227633 0.851792629 -6.818485097 stable

ALDH1A2 0.00199248 2.549757205 0.58447224 0.562296848 0.851792629 -6.818503259 stable

LOC100506082 0.001500828 2.507971479 0.584344002 0.562382237 0.851867117 -6.818578829 stable

PRSS8 0.000960766 2.28426675 0.584262218 0.562436697 0.851894749 -6.818627016 stable

CHAF1A -0.035590466 5.617489834 -0.583816135 0.562733794 0.852092291 -6.81888973 stable

RP11-341N2.1 -0.029387928 2.710801174 -0.583799661 0.562744767 0.852092291 -6.818899429 stable

IGFBP7-AS1 0.005198784 2.869077252 0.583725803 0.562793966 0.852092291 -6.818942907 stable

C10orf11 -0.132131616 7.396009159 -0.583645395 0.56284753 0.852092291 -6.818990234 stable

ZFY 0.003861733 2.864593556 0.58363239 0.562856193 0.852092291 -6.818997887 stable

ABCG8 -0.003188322 2.85117841 -0.583548715 0.562911937 0.852092291 -6.81904713 stable

DEPDC1-AS1 0.005635874 3.286418447 0.583533175 0.562922289 0.852092291 -6.819056274 stable

NCLN 0.003037096 2.607991852 0.583531629 0.562923319 0.852092291 -6.819057184 stable

LOC101060691 0.098737825 6.10482661 0.583504495 0.562941396 0.852092291 -6.81907315 stable

FDPS 0.023689259 10.22285337 0.583476618 0.562959969 0.852092291 -6.819089552 stable

RP11-143I21.1 0.002424784 2.689238319 0.583468145 0.562965614 0.852092291 -6.819094538 stable

RDH11 0.046659394 6.283844315 0.583234104 0.563121551 0.852273471 -6.819232213 stable

SH3YL1 -0.000819958 2.070715129 -0.583146683 0.563179804 0.852306793 -6.819283625 stable

STOML1 -0.001124177 2.209598972 -0.582974008 0.563294875 0.85232018 -6.819385153 stable

C15orf48 -0.01868084 3.037619459 -0.582886798 0.563352996 0.85232018 -6.819436418 stable

MKRN3 -0.017878367 3.344744368 -0.582872551 0.563362491 0.85232018 -6.819444792 stable

LOC101928278 -0.003019134 2.354734325 -0.582871341 0.563363298 0.85232018 -6.819445503 stable

LOC101927734 0.005169153 3.179668136 0.582861535 0.563369833 0.85232018 -6.819451267 stable

MMP3 0.001205098 2.569748562 0.582648104 0.563512089 0.852480566 -6.819576693 stable

LOC101927768 /// LOC101927794 0.001797719 2.432039146 0.582501093 0.563610085 0.852500118 -6.819663059 stable

LAPTM5 0.020362636 14.78851295 0.582486412 0.563619871 0.852500118 -6.819671683 stable

NETO2 0.135616911 7.290418603 0.582441974 0.563649495 0.852500118 -6.819697785 stable

RP11-521D12.1 -0.002348571 2.581808061 -0.582411231 0.56366999 0.852500118 -6.819715841 stable

IGFBP2 -0.115210457 3.655067879 -0.582297334 0.563745923 0.852560139 -6.819782729 stable

GLDC -0.215485059 3.750306583 -0.582099206 0.563878022 0.852662991 -6.819899053 stable

LILRA6 0.094718567 10.85596584 0.582046072 0.563913451 0.852662991 -6.819930241 stable

FN3KRP 0.059345049 8.830674175 0.581936752 0.563986348 0.852662991 -6.819994402 stable

SLC25A31 0.006244725 3.152007988 0.581925756 0.563993681 0.852662991 -6.820000855 stable

AF001548.5 0.081621984 5.70837613 0.581867218 0.564032717 0.852662991 -6.820035206 stable

POLN -0.018549506 5.339596835 -0.581854044 0.564041502 0.852662991 -6.820042936 stable

CDH12 0.001719909 2.504424056 0.581814775 0.56406769 0.852662991 -6.820065977 stable

FLJ37035 0.003052102 2.8344716 0.581569801 0.564231073 0.852855155 -6.820209682 stable

COMMD3 -0.03021434 11.16686797 -0.581451815 0.564309771 0.852919298 -6.820278873 stable

LTV1 -0.020454961 8.814442936 -0.581232149 0.564456305 0.853067028 -6.820407655 stable

GLUD1 -0.037592801 11.00702197 -0.58118874 0.564485264 0.853067028 -6.820433098 stable

NFIL3 -0.084926473 10.06523232 -0.581142194 0.564516317 0.853067028 -6.820460378 stable

LINC01242 0.00538351 3.260912971 0.581052256 0.564576322 0.853097475 -6.820513084 stable

PAK4 0.052637596 7.548579096 0.580910184 0.564671114 0.853097475 -6.820596325 stable

MBNL1 -0.039415447 11.72870153 -0.580882607 0.564689516 0.853097475 -6.820612481 stable

RP11-744D14.2 -0.008097354 3.446643924 -0.580860505 0.564704264 0.853097475 -6.820625428 stable

RGPD3 /// RGPD4 /// RGPD5 /// RGPD6 /// RGPD8 -0.052029616 9.347937476 -0.580840199 0.564717813 0.853097475 -6.820637322 stable

AC007680.2 0.001247129 2.442102021 0.58073702 0.564786664 0.853122887 -6.820697756 stable

RFC2 -0.030428435 7.659649145 -0.580706281 0.564807177 0.853122887 -6.820715758 stable

LOC100272217 0.005757133 3.233814936 0.580517995 0.564932832 0.85321922 -6.820826008 stable

CASC1 0.002226285 2.562680324 0.580502006 0.564943503 0.85321922 -6.820835368 stable

CER1 0.009860656 2.228326308 0.580429542 0.564991867 0.853237477 -6.820877788 stable

ATAD3C -0.018201355 4.260929975 -0.580219678 0.565131946 0.853394229 -6.821000612 stable

FMNL1 -0.057603485 9.575569054 -0.58006003 0.565238519 0.853500367 -6.821094018 stable

LOC100129516 0.001741246 2.473766374 0.579567835 0.565567148 0.853788208 -6.821381829 stable

PDZD8 0.0621356 8.048130676 0.579494016 0.565616444 0.853788208 -6.821424974 stable

LGALS3 0.00902042 3.264669165 0.579445087 0.565649119 0.853788208 -6.821453568 stable

BC042091 /// RP11-752D24.2 0.010424002 3.509130275 0.579421408 0.565664933 0.853788208 -6.821467406 stable

OR6W1P 0.001146913 2.232519198 0.579399486 0.565679573 0.853788208 -6.821480216 stable

PCDHB15 0.001529892 2.465070598 0.579393715 0.565683427 0.853788208 -6.821483588 stable

SPCS2 0.033234504 11.75281724 0.579188907 0.565820215 0.853788208 -6.821603243 stable

BC016972 /// RP11-443B7.1 0.003584038 3.196073269 0.579167088 0.565834789 0.853788208 -6.821615989 stable

KIT -0.092563475 5.804648644 -0.57908016 0.565892853 0.853788208 -6.82166676 stable

HIST1H1A 0.006921572 3.216453274 0.57907592 0.565895684 0.853788208 -6.821669236 stable

ZNF586 0.013626017 2.837426681 0.578968294 0.565967577 0.853788208 -6.821732086 stable

C17orf97 -0.297910364 3.671174722 -0.578938155 0.565987711 0.853788208 -6.821749684 stable

TCP11L2 -0.150316506 4.29336678 -0.578879732 0.566026739 0.853788208 -6.821783794 stable

TTLL10 -0.001695114 1.774249299 -0.578866881 0.566035325 0.853788208 -6.821791297 stable

C2orf83 -0.002763034 3.204027046 -0.578865108 0.566036509 0.853788208 -6.821792332 stable

RP5-991O23.1 -0.002761111 3.158037244 -0.578862154 0.566038483 0.853788208 -6.821794057 stable

IQCK -0.052346804 4.951230707 -0.578850561 0.566046227 0.853788208 -6.821800825 stable

LINC00661 -0.003884168 3.008217033 -0.578720286 0.566133262 0.85386473 -6.821876871 stable

SSSCA1-AS1 0.000889896 2.101875366 0.578539212 0.566254245 0.853923607 -6.821982541 stable

SLC22A16 -0.191871364 4.124084665 -0.57852949 0.566260742 0.853923607 -6.821988214 stable

LGALS1 0.062448087 13.40080263 0.578430263 0.566327046 0.853923607 -6.822046105 stable

TEP1 0.080597218 7.83437193 0.578391856 0.56635271 0.853923607 -6.82206851 stable

OR8G2 0.010325773 3.64956424 0.578390191 0.566353823 0.853923607 -6.822069482 stable

KLC2 -0.043847147 5.835091152 -0.578221131 0.566466801 0.853940312 -6.822168087 stable

LINC00927 0.001115327 2.348601058 0.57818987 0.566487693 0.853940312 -6.822186317 stable

OR10A3 -0.013967874 3.865878634 -0.578158897 0.566508393 0.853940312 -6.822204378 stable

LINC00929 0.001580795 2.497367784 0.578156307 0.566510124 0.853940312 -6.822205888 stable

PIGP -0.050533978 9.822467961 -0.578076329 0.566563577 0.853958624 -6.822252521 stable

CXCL14 0.001750563 2.313373837 0.578029487 0.566594885 0.853958624 -6.82227983 stable

C9orf24 0.001359163 2.193984381 0.577900178 0.566681316 0.853980499 -6.822355206 stable

PCDHB18 -0.003875849 3.074456117 -0.577849531 0.56671517 0.853980499 -6.822384725 stable

EPB41L1 0.004310602 2.479188947 0.577844819 0.56671832 0.853980499 -6.822387471 stable

NAGPA -0.040741783 9.47627137 -0.577639477 0.56685559 0.854132629 -6.822507123 stable

CABLES1 0.001490667 2.43847269 0.577487025 0.566957514 0.854208066 -6.822595929 stable

IGLON5 -0.00347193 2.471315322 -0.57736777 0.56703725 0.854208066 -6.822665382 stable

SLC8B1 -0.027075631 9.200154737 -0.57729334 0.567087018 0.854208066 -6.822708721 stable

KCNC1 0.018061301 2.47029611 0.577188067 0.567157413 0.854208066 -6.822770011 stable

HNRNPH1 -0.056512123 13.27635848 -0.577157494 0.567177857 0.854208066 -6.822787808 stable

VPS8 0.096707055 6.767564365 0.576995031 0.567286505 0.854208066 -6.822882368 stable

TEX12 -0.005946088 3.01310899 -0.576909179 0.567343923 0.854208066 -6.822932326 stable

GMNC 0.000757154 1.956183297 0.576805201 0.567413469 0.854208066 -6.822992823 stable

RBP7 -0.129263412 10.01778015 -0.576800148 0.567416848 0.854208066 -6.822995762 stable

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SMN1 /// SMN2 0.098362983 8.594939025 0.576684048 0.567494506 0.854208066 -6.823063299 stable

ADAM12 0.029933781 3.198470351 0.576638113 0.567525233 0.854208066 -6.823090015 stable

CEPT1 -0.084225075 7.599034783 -0.576595758 0.567553566 0.854208066 -6.823114648 stable

CASC22 0.009935489 3.500263797 0.57653829 0.567592009 0.854208066 -6.823148068 stable

MAP4K5 -0.046892855 9.168911269 -0.576349082 0.567718589 0.854208066 -6.823258075 stable

ADAMTS2 0.003779406 2.609131913 0.576267283 0.567773318 0.854208066 -6.823305623 stable

CHKA -0.071053958 6.618243793 -0.576257832 0.567779641 0.854208066 -6.823311116 stable

DDOST -0.032057677 11.29106152 -0.576196182 0.56782089 0.854208066 -6.823346946 stable

DGCR14 0.023767582 5.529382954 0.576119312 0.567872326 0.854208066 -6.823391618 stable

TRNT1 0.057124068 7.391429378 0.576118685 0.567872745 0.854208066 -6.823391982 stable

RP11-1275H24.2 0.010641184 3.218134867 0.576029498 0.567932424 0.854208066 -6.823443803 stable

LRRTM2 -0.002898281 2.592249683 -0.575991035 0.567958162 0.854208066 -6.82346615 stable

CHN1 -0.04730814 3.383668139 -0.575922094 0.568004298 0.854208066 -6.8235062 stable

RP4-680D5.8 -0.054887363 3.786702939 -0.575919015 0.568006358 0.854208066 -6.823507988 stable

PARP1 -0.037482112 11.18294199 -0.575900418 0.568018803 0.854208066 -6.82351879 stable

RASSF4 0.088636942 8.622199105 0.575876422 0.568034862 0.854208066 -6.823532729 stable

BCRP3 -0.016597911 3.658785226 -0.575835092 0.568062521 0.854208066 -6.823556734 stable

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C7 0.005855904 2.678607515 0.57562243 0.568204853 0.854208066 -6.823680228 stable

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HAND1 -0.007291033 2.775778096 -0.575602251 0.568218359 0.854208066 -6.823691943 stable

KIAA1324L 0.086629249 5.608243559 0.575572807 0.568238067 0.854208066 -6.823709037 stable

LOC101928245 0.001548733 2.418786672 0.57555299 0.568251332 0.854208066 -6.823720542 stable

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NR2F2 -0.019101205 3.325005972 -0.575372999 0.568371815 0.854208066 -6.823825015 stable

ZNF704 0.001025443 2.246330301 0.575362922 0.568378561 0.854208066 -6.823830863 stable

SH3PXD2A-AS1 0.003767649 2.628630397 0.575338896 0.568394645 0.854208066 -6.823844806 stable

OAZ2 0.066267282 10.76794052 0.575187814 0.568495789 0.854289457 -6.82393247 stable

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NXT1 -0.035251763 9.120806511 -0.575095248 0.568557763 0.854289457 -6.823986169 stable

NMRAL1 0.058422349 8.602580954 0.574983705 0.568632447 0.854347096 -6.824050866 stable

HIF3A 0.009653936 3.586422623 0.574873739 0.56870608 0.854403149 -6.824114636 stable

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LOC101928433 -0.00479021 2.636937135 -0.574717105 0.56881097 0.854451579 -6.824205449 stable

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NIFK 0.035653611 9.21473386 0.574402243 0.569021846 0.854659185 -6.824387924 stable

ACKR2 -0.002151999 2.388835301 -0.574336685 0.569065758 0.854670563 -6.824425905 stable

WFDC10B 0.001278356 2.307547528 0.574243638 0.569128085 0.854698858 -6.824479805 stable

S100Z -0.124152981 7.485465683 -0.574173103 0.569175335 0.854698858 -6.824520658 stable

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VANGL2 -0.001246467 2.372589365 -0.57409158 0.569229948 0.854698858 -6.82456787 stable

LYPLA2 -0.01835306 9.897738763 -0.574016534 0.569280224 0.854719785 -6.824611325 stable

COL2A1 -0.002781748 2.409180624 -0.573845273 0.569394967 0.854837494 -6.824710471 stable

BC070363 /// RP11-108M9.4 0.04787187 10.99497523 0.573758873 0.569452858 0.854869842 -6.824760478 stable

MYH3 -0.037519324 3.712205345 -0.573353838 0.569724286 0.855074938 -6.82499481 stable

GJC2 0.009942796 5.015581019 0.573350159 0.569726752 0.855074938 -6.824996938 stable

SERTAD3 0.082395361 8.491225412 0.573339499 0.569733897 0.855074938 -6.825003103 stable

LOC101060179 /// PRDM11 0.029922483 4.193836674 0.573299908 0.569760431 0.855074938 -6.825025999 stable

SLC25A6 0.022852759 14.34876632 0.573264967 0.56978385 0.855074938 -6.825046205 stable

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LOC101929684 0.000846565 1.831858512 0.573053216 0.569925784 0.855146872 -6.825168629 stable

10-Mar -0.001341228 2.498517521 -0.572986207 0.569970704 0.855146872 -6.825207361 stable

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FBXO2 -0.042174368 6.39005315 -0.572754976 0.570125722 0.855146872 -6.825340982 stable

PPIP5K2 0.038992289 10.36370141 0.572749877 0.57012914 0.855146872 -6.825343928 stable

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TLE3 -0.038642309 8.691389774 -0.572679915 0.570176047 0.855146872 -6.825384346 stable

ZNF470 0.086177038 5.077709974 0.572669922 0.570182747 0.855146872 -6.825390118 stable

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KHDC1 0.004896098 2.695889182 0.57237219 0.570382387 0.855230292 -6.825562064 stable

CLEC4C 0.182335479 6.759259715 0.572368075 0.570385148 0.855230292 -6.825564441 stable

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SPERT 0.001270031 2.1457775 0.572257293 0.57045944 0.855230292 -6.825628397 stable

VCPKMT -0.039414136 9.817018028 -0.57222062 0.570484034 0.855230292 -6.825649566 stable

DSCR3 0.015712717 9.946188507 0.572207415 0.570492891 0.855230292 -6.825657188 stable

LCAT -0.024007652 4.828896516 -0.572110455 0.57055792 0.855273267 -6.82571315 stable

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LOC101929622 0.002265663 2.648961957 0.571405585 0.571030772 0.855591734 -6.826119693 stable

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SUSD1 0.059140586 10.43248852 0.570932583 0.571348188 0.855808983 -6.826392227 stable

ZNF826P 0.008037936 3.778881195 0.570866199 0.571392743 0.855808983 -6.826430458 stable

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DKK4 0.00103232 2.222994932 0.570788704 0.571444757 0.855808983 -6.826475083 stable

4-Sep 0.003251456 2.465231788 0.570764398 0.571461072 0.855808983 -6.826489078 stable

LOC101927870 0.008290696 2.918698732 0.570611509 0.5715637 0.85590818 -6.826577097 stable

SRRM2-AS1 0.006959937 2.634304056 0.570354555 0.571736201 0.856012102 -6.826724973 stable

VAV1 -0.019509428 10.66610121 -0.570268568 0.571793933 0.856012102 -6.826774444 stable

TXNL1 -0.016811048 12.04538124 -0.570253163 0.571804276 0.856012102 -6.826783306 stable

ARHGAP22-IT1 0.001280649 2.431604849 0.570226126 0.571822429 0.856012102 -6.82679886 stable

MX2 -0.062163979 10.54739105 -0.570209871 0.571833344 0.856012102 -6.82680821 stable

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FCER1A 0.008952981 2.904135031 0.570128691 0.571887852 0.856012102 -6.826854904 stable

MAMSTR 0.035337028 4.027563367 0.57005848 0.571934998 0.856028195 -6.826895283 stable

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LOC100287525 -0.012536717 2.274139521 -0.569406059 0.572373181 0.856391285 -6.827270265 stable

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LOC100996542 0.001439796 2.095917935 0.56920943 0.572505274 0.856391285 -6.827383196 stable

GSDMB 0.119028327 7.447321642 0.568905104 0.572709748 0.856622702 -6.827557905 stable

SMR3B -0.002613834 2.520694045 -0.568870771 0.572732818 0.856622702 -6.827577609 stable

LOC101929690 0.004379991 3.08835785 0.568753373 0.572811707 0.856686219 -6.827644977 stable

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LURAP1 -0.018181457 3.330142389 -0.568125242 0.573233892 0.85692465 -6.828005192 stable

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RTEL1-TNFRSF6B /// TNFRSF6B -0.008841726 5.677811073 -0.568000428 0.573317802 0.85692465 -6.828076723 stable

PITRM1-AS1 -0.002125507 2.260541801 -0.567974172 0.573335454 0.85692465 -6.828091769 stable

BEAN1 0.002001622 2.620328029 0.567849209 0.573419471 0.856995766 -6.828163366 stable

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KIAA1614-AS1 0.007194291 2.217906216 0.5676482 0.573554628 0.857088844 -6.828278501 stable

TCAIM 0.106846443 7.221827409 0.56759322 0.573591599 0.857089639 -6.828309986 stable

TGM4 -0.001376388 2.3546445 -0.567500735 0.573653794 0.857093589 -6.828362942 stable

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JMJD1C-AS1 -0.010273798 2.697071653 -0.567321625 0.57377425 0.857093589 -6.828465473 stable

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TCF20 -0.03865454 9.972211351 -0.567202961 0.573854062 0.857093589 -6.828533385 stable

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NBEAP1 0.005607848 3.179073792 0.566639835 0.574232887 0.857093589 -6.828855475 stable

VSIG4 0.162449964 5.148764926 0.566502406 0.574325356 0.857093589 -6.828934031 stable

OSTM1-AS1 0.002700436 2.693782004 0.566466309 0.574349646 0.857093589 -6.828954662 stable

PRELID1 0.044624098 12.26482154 0.566447487 0.574362311 0.857093589 -6.828965419 stable

RP13-436F16.1 -0.014510633 2.911018176 -0.566427394 0.574375832 0.857093589 -6.828976901 stable

BRS3 0.000923189 2.164880053 0.566383628 0.574405283 0.857093589 -6.829001912 stable

AK1 0.075135221 8.287668688 0.566337755 0.574436152 0.857093589 -6.829028124 stable

SLC26A8 -0.001095846 2.021702026 -0.566314925 0.574451516 0.857093589 -6.829041169 stable

NFIA-AS2 0.001279889 2.613945218 0.566283719 0.574472516 0.857093589 -6.829058998 stable

DDX49 -0.030990038 8.014938313 -0.566262154 0.574487029 0.857093589 -6.829071319 stable

NOS1 -0.002484504 2.315245305 -0.566235108 0.57450523 0.857093589 -6.82908677 stable

RP11-73M18.8 0.043924528 8.545263623 0.566125263 0.574579157 0.857149511 -6.829149517 stable

SH3GL1P2 0.000906589 1.730340117 0.565768527 0.574819274 0.857427875 -6.829353213 stable

APH1A 0.035650232 9.24146631 0.565739727 0.574838662 0.857427875 -6.829369652 stable

FAM102A -0.070898524 11.38183893 -0.565641237 0.574904964 0.857472395 -6.829425865 stable

LOC101929132 -0.027713751 3.604379932 -0.565558987 0.574960338 0.857500609 -6.829472801 stable

TMEM171 0.004337659 2.025206966 0.565421552 0.575052869 0.857573084 -6.829551214 stable

KCNQ1-AS1 -0.007313367 2.971835528 -0.565378506 0.575081852 0.857573084 -6.82957577 stable

YME1L1 0.021464477 12.13415382 0.565234082 0.575179099 0.857583042 -6.829658144 stable

RENBP -0.072739751 7.669320537 -0.56522367 0.575186111 0.857583042 -6.829664082 stable

DBN1 -0.097173442 6.740378343 -0.565206146 0.575197911 0.857583042 -6.829674076 stable

LRRN4 -0.000911583 2.130083779 -0.565103681 0.575266911 0.857627971 -6.829732502 stable

PTBP2 0.11195216 5.737426037 0.564928782 0.575384698 0.857627971 -6.829832208 stable

LOC101928429 0.12612273 7.704819741 0.564763582 0.575495964 0.857627971 -6.829926357 stable

SCGB3A2 0.06330953 2.372072788 0.564716238 0.575527853 0.857627971 -6.829953334 stable

FKBP1A-SDCBP2 /// SDCBP2 0.003006126 1.939334879 0.564709943 0.575532093 0.857627971 -6.82995692 stable

KCNRG -0.057793386 3.818035115 -0.564604631 0.575603031 0.857627971 -6.830016918 stable

LOC729224 -0.007083493 2.896748567 -0.564597295 0.575607973 0.857627971 -6.830021098 stable

RPSA /// RPSAP19 /// RPSAP58 /// RPSAP9 /// SNORA6 /// SNORA62 0.012971278 15.29360129 0.564519958 0.575660069 0.857627971 -6.83006515 stable

TUSC7 -0.003558352 2.274269762 -0.564463907 0.575697829 0.857627971 -6.830097075 stable

C22orf23 0.001474514 2.25407725 0.564436879 0.575716037 0.857627971 -6.830112467 stable

RP11-774O3.3 -0.039867763 4.234142972 -0.564390063 0.575747576 0.857627971 -6.830139128 stable

CROCCP2 0.000822355 1.356186996 0.564389131 0.575748204 0.857627971 -6.830139659 stable

DAND5 0.005916308 2.718373147 0.564380689 0.575753892 0.857627971 -6.830144466 stable

BCMO1 -0.002334571 2.281849484 -0.564364534 0.575764775 0.857627971 -6.830153665 stable

HADHB -0.025803716 11.64378563 -0.564349387 0.57577498 0.857627971 -6.83016229 stable

LOC157931 -0.003877076 2.485559913 -0.564198235 0.575876817 0.857635819 -6.830248347 stable

SNHG10 -0.0269284 4.790689474 -0.564188879 0.575883122 0.857635819 -6.830253673 stable

LMTK2 0.0333887 4.494599494 0.56417921 0.575889636 0.857635819 -6.830259177 stable

CCDC66 -0.088152756 5.514930754 -0.564066343 0.575965686 0.857694771 -6.83032342 stable

STAT6 -0.044556298 12.6128677 -0.56379076 0.576151395 0.857880305 -6.830480226 stable

ERC2-IT1 -0.002317884 3.053650893 -0.563767171 0.576167293 0.857880305 -6.830493644 stable

YPEL2 -0.046351399 7.16155514 -0.563590259 0.576286527 0.857880305 -6.830594263 stable

BC032916 /// RP11-400D2.2 0.005234404 3.034656128 0.563553645 0.576311206 0.857880305 -6.830615083 stable

ST8SIA2 0.000840144 2.238566798 0.563539882 0.576320482 0.857880305 -6.830622909 stable

LOC283482 0.002959905 2.501662281 0.563539636 0.576320648 0.857880305 -6.830623048 stable

LAMA5-AS1 0.010733963 3.481454056 0.563502635 0.576345588 0.857880305 -6.830644087 stable

MAGEA1 0.000967019 2.22240394 0.563399284 0.576415253 0.857929707 -6.830702844 stable

CECR7 0.007375532 2.736714891 0.563177701 0.576564627 0.858079417 -6.830828783 stable

CRTC1 0.021657029 7.776674317 0.563141844 0.576588801 0.858079417 -6.830849159 stable

LINC00948 0.00223295 2.65226586 0.563075513 0.576633521 0.858091677 -6.830886847 stable

HTR6 0.000973499 2.24797803 0.562924927 0.576735052 0.85818847 -6.830972391 stable

PLAGL1 -0.077916424 7.384220977 -0.562733284 0.576864277 0.858265968 -6.831081226 stable

RP11-475A13.2 0.014666262 3.698828318 0.56272077 0.576872716 0.858265968 -6.831088332 stable

CHPF2 -0.033224222 9.265681736 -0.56268535 0.576896601 0.858265968 -6.831108442 stable

DNAI1 0.000990757 2.17015111 0.562554047 0.57698515 0.858322041 -6.831182983 stable

TBC1D21 -0.006457576 3.090969614 -0.562521241 0.577007275 0.858322041 -6.831201604 stable

MRPL51 0.03411101 11.61542361 0.562369899 0.577109348 0.858374113 -6.831287495 stable

LOC101928140 -0.053142568 2.670745201 -0.562356872 0.577118134 0.858374113 -6.831294887 stable

AX747140 /// TMEM198B -0.035382452 5.622164703 -0.562307015 0.577151762 0.858374113 -6.831323176 stable

THSD7B 0.00395217 3.158783374 0.562200501 0.577223608 0.858426688 -6.831383605 stable

EXOSC9 -0.021573807 8.938115742 -0.562061198 0.577317578 0.858512156 -6.831462619 stable

RPLP0P1 /// RPLP0P1 -0.021928468 2.76161583 -0.561978424 0.577373419 0.858540914 -6.83150956 stable

ALDH8A1 -0.062573691 3.928088497 -0.561690248 0.577567848 0.858717546 -6.831672933 stable

PHF2 0.012795433 3.248722389 0.561681152 0.577573985 0.858717546 -6.831678088 stable

SDCBP 0.038972263 13.5325848 0.561640033 0.57760173 0.858717546 -6.831701392 stable

HIST1H1E -0.022837896 5.037137783 -0.561534677 0.577672822 0.858745614 -6.831761094 stable

HECW1-IT1 0.007410882 3.683151397 0.561496359 0.57769868 0.858745614 -6.831782805 stable

LOC101928521 0.001726444 2.499310861 0.56138285 0.57777528 0.858745614 -6.831847111 stable

MBNL3 0.037529711 5.909899643 0.56136295 0.57778871 0.858745614 -6.831858384 stable

LOC100287290 0.002175863 2.765684246 0.561261488 0.577857185 0.858745614 -6.831915852 stable

AP3B1 0.037659903 8.915969781 0.561242081 0.577870283 0.858745614 -6.831926843 stable

PRPH2 -0.001299318 2.108097588 -0.561233348 0.577876178 0.858745614 -6.831931789 stable

ZNF595 /// ZNF718 -0.021784511 3.770729048 -0.560894296 0.578105032 0.859031427 -6.832123744 stable

EPM2A -0.049483035 6.535820872 -0.560711018 0.57822876 0.859161002 -6.83222746 stable

ESRP1 -0.001661883 2.688321097 -0.560656387 0.578265643 0.85916153 -6.832258369 stable

DMGDH 0.001862872 2.473678905 0.560408591 0.578432952 0.859355827 -6.832398529 stable

LOC152225 -0.015397793 3.318459679 -0.560344325 0.578476347 0.859366018 -6.832434869 stable

UBASH3A -0.082383888 8.719395989 -0.560280674 0.578519329 0.859375593 -6.832470858 stable

IKZF1 0.001230892 2.28697503 0.560109549 0.578634893 0.859483989 -6.832567593 stable

GLB1L2 0.016274412 2.157095038 0.560019278 0.578695859 0.859483989 -6.832618611 stable

ZNF300 -0.077295113 6.383498524 -0.559996867 0.578710995 0.859483989 -6.832631276 stable

RP3-400B16.4 0.002205799 2.862741792 0.559956196 0.578738464 0.859483989 -6.832654257 stable

PWRN2 0.005094993 3.213834243 0.559877428 0.578791666 0.859508731 -6.832698763 stable

GPRC5C -0.017808973 3.205644798 -0.559763937 0.578868325 0.8595683 -6.832762875 stable

ZNF620 0.007007753 3.560139072 0.559577966 0.578993952 0.859594068 -6.832867907 stable

UBR4 -0.002196444 2.402972163 -0.559515427 0.579036201 0.859594068 -6.832903219 stable

SPINK13 0.001003224 2.303733126 0.559513473 0.579037521 0.859594068 -6.832904322 stable

TGM1 -0.009124145 2.414926357 -0.559345432 0.579151052 0.859594068 -6.832999187 stable

NADSYN1 0.034373408 4.702021022 0.559213252 0.579240362 0.859594068 -6.833073787 stable

C20orf27 -0.077692048 8.415912687 -0.55920987 0.579242647 0.859594068 -6.833075695 stable

WWOX -0.039164438 7.547115609 -0.559198659 0.579250222 0.859594068 -6.833082021 stable

DMPK -0.023021056 6.095421165 -0.559170978 0.579268927 0.859594068 -6.833097642 stable

RP11-589P10.5 -0.074223639 7.77049389 -0.559151532 0.579282067 0.859594068 -6.833108614 stable

PSENEN 0.050076289 9.675428846 0.55914472 0.57928667 0.859594068 -6.833112458 stable

DSC1 -0.141865292 5.331963137 -0.559066434 0.579339571 0.859594068 -6.833156628 stable

HILPDA 0.046972496 4.460803194 0.559056338 0.579346393 0.859594068 -6.833162323 stable

KNG1 0.001389356 2.737669892 0.559035058 0.579360774 0.859594068 -6.833174329 stable

RASAL3 0.037793184 10.6273448 0.558880881 0.579464965 0.859614977 -6.833261294 stable

PIK3CB 0.039854697 10.10255518 0.558859678 0.579479295 0.859614977 -6.833273252 stable

ALPL -0.013351633 3.378132083 -0.558780076 0.579533093 0.859614977 -6.833318142 stable

PASD1 0.002280426 2.836980166 0.558779374 0.579533568 0.859614977 -6.833318537 stable

SECTM1 0.098740966 10.68552111 0.558743817 0.5795576 0.859614977 -6.833338587 stable

ADAMTS12 0.015148562 2.920975505 0.558575901 0.579671096 0.859694208 -6.833433252 stable

PCDH10 0.000971967 2.296925112 0.558556636 0.579684118 0.859694208 -6.833444112 stable

TUBA1B 0.000743269 2.028586562 0.558446544 0.579758536 0.859717972 -6.83350616 stable

HAUS4 /// MIR4707 -0.051054861 9.830668904 -0.558282319 0.579869556 0.859717972 -6.833598697 stable

LOC101927059 0.001588584 2.517137455 0.558247786 0.579892903 0.859717972 -6.833618152 stable

NCEH1 0.107578479 7.648937084 0.558214393 0.579915479 0.859717972 -6.833636964 stable

LINC00886 -0.022588564 4.057272309 -0.558165647 0.579948435 0.859717972 -6.833664422 stable

DNAJB6 /// TMEM135 -0.048504302 10.74805154 -0.55814257 0.579964038 0.859717972 -6.833677421 stable

KCNIP1 0.000744167 2.066141759 0.558023044 0.580044853 0.859717972 -6.833744737 stable

LOC101928196 0.000908861 2.204386262 0.558009297 0.580054148 0.859717972 -6.833752478 stable

ANKRD29 0.005438765 3.318334714 0.557975698 0.580076867 0.859717972 -6.833771398 stable

AX746903 /// PDE5A -0.115137663 3.886298424 -0.557960489 0.58008715 0.859717972 -6.833779962 stable

ATF5 -0.072883579 8.189433979 -0.557938226 0.580102204 0.859717972 -6.833792497 stable

SOX15 -0.011694373 2.710152525 -0.557807137 0.580190848 0.859738605 -6.833866299 stable

DVL2 -0.042049424 7.410986188 -0.557766715 0.580218183 0.859738605 -6.833889052 stable

DUOX1 -0.005736528 3.708501207 -0.557668675 0.580284485 0.859738605 -6.833944232 stable

PROSER2 -0.08355593 5.867257032 -0.557642314 0.580302313 0.859738605 -6.833959067 stable

IL17F 0.002145726 2.586453369 0.557606601 0.580326465 0.859738605 -6.833979164 stable

ZNF418 -0.102003747 3.668767268 -0.557593335 0.580335438 0.859738605 -6.833986629 stable

LRRC46 -0.022764162 4.045805041 -0.557415191 0.580455925 0.85982001 -6.834086856 stable

UGT3A1 -0.004090286 2.481044577 -0.557403995 0.580463498 0.85982001 -6.834093154 stable

ASB6 -0.033954312 7.469198128 -0.557273584 0.58055171 0.85989329 -6.834166504 stable

ZNF780B 0.026119023 3.392850181 0.557159151 0.58062912 0.85989329 -6.834230854 stable

PVR 0.063972894 3.560913308 0.557121735 0.580654432 0.85989329 -6.834251892 stable

RP5-1085F17.3 0.036629211 9.476423831 0.55707515 0.580685947 0.85989329 -6.834278082 stable

SOBP 0.001044207 2.404684624 0.557060641 0.580695762 0.85989329 -6.834286239 stable

C15orf32 0.002521852 2.829754686 0.556930386 0.580783886 0.859921447 -6.834359457 stable

DPP3 0.037053879 8.089769854 0.556886168 0.580813803 0.859921447 -6.834384309 stable

TAC3 -0.026488822 2.343507468 -0.556845292 0.58084146 0.859921447 -6.834407281 stable

KLF9 -0.009956983 2.507694382 -0.556750973 0.580905278 0.859921447 -6.83446028 stable

SARS2 0.068822255 6.845204195 0.556677271 0.580955149 0.859921447 -6.834501689 stable

CHMP7 -0.0492858 11.18165788 -0.556632076 0.580985731 0.859921447 -6.834527078 stable

RP11-1008C21.2 0.001281278 2.382615331 0.55660936 0.581001103 0.859921447 -6.834539839 stable

LOC101928201 -0.009224392 2.720418037 -0.556550249 0.581041104 0.859921447 -6.834573041 stable

LOC284009 /// METTL16 0.05436644 4.79376658 0.556546243 0.581043815 0.859921447 -6.834575291 stable

C1orf123 0.02404975 10.12490572 0.55642944 0.58112286 0.859984321 -6.834640889 stable

MRPS34 -0.031217959 8.866982195 -0.556300822 0.581209907 0.860059027 -6.834713106 stable

KRT79 0.035695729 3.793403402 0.556227122 0.58125979 0.860078731 -6.834754481 stable

LOC100996345 0.001188756 2.207065003 0.556000044 0.581413496 0.860252049 -6.834881926 stable

C1orf162 -0.052034529 12.72408243 -0.555912913 0.581472479 0.860285204 -6.834930813 stable

ZNF85 0.029441158 2.706463767 0.555774496 0.581566185 0.860318979 -6.835008461 stable

RP11-454K7.3 -0.000952689 2.359369076 -0.555638977 0.581657937 0.860318979 -6.835084465 stable

OCA2 -0.004566983 2.646647852 -0.555622274 0.581669246 0.860318979 -6.835093831 stable

OLAH -0.001773995 2.593720091 -0.555612563 0.581675821 0.860318979 -6.835099276 stable

AX747652 0.079391489 5.649392619 0.555609064 0.581678191 0.860318979 -6.835101239 stable

LINC01231 -0.017941006 3.663370325 -0.555478992 0.581766263 0.860332328 -6.835174167 stable

OR51A1P /// OR51A1P 0.009168851 2.805166191 0.555361019 0.581846148 0.860332328 -6.835240296 stable

FLJ20021 0.032020876 6.799930124 0.555331156 0.581866371 0.860332328 -6.835257033 stable

DEFA1 /// DEFA1B /// DEFA3 -0.303670755 12.32975764 -0.555330674 0.581866697 0.860332328 -6.835257304 stable

AC139100.3 -0.001107391 2.343789276 -0.555325646 0.581870102 0.860332328 -6.835260122 stable

PPAP2B 0.019861856 2.115683377 0.555230645 0.581934437 0.860338592 -6.835313361 stable

RBFADN 0.002704841 3.127971185 0.555172643 0.581973719 0.860338592 -6.835345862 stable

UPK3B -0.02044199 5.918763284 -0.555157357 0.581984071 0.860338592 -6.835354426 stable

RGMB 0.111938721 6.225602518 0.555049828 0.582056897 0.86035767 -6.835414668 stable

LOC285419 0.005053614 3.162400643 0.554973971 0.582108276 0.86035767 -6.835457159 stable

KCTD4 0.001079648 2.298752283 0.554951899 0.582123226 0.86035767 -6.835469521 stable

ING3 0.035899556 9.290994686 0.55491786 0.582146282 0.86035767 -6.835488585 stable

MRGPRG-AS1 -0.003154487 1.759742825 -0.554829821 0.582205916 0.86035767 -6.835537888 stable

PAPD4 -0.092038796 8.393910999 -0.554814274 0.582216446 0.86035767 -6.835546593 stable

PSD2 -0.009859648 2.765081444 -0.554501843 0.582428101 0.860514306 -6.83572149 stable

RUVBL2 -0.008375209 2.53184734 -0.554471239 0.582448835 0.860514306 -6.835738616 stable

UBE2O -0.039588762 5.73847565 -0.554459121 0.582457045 0.860514306 -6.835745398 stable

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LOC100129461 -0.030032183 2.59171963 -0.554282061 0.582577013 0.860620143 -6.835844464 stable

LOC102723845 -0.037405996 2.962215362 -0.554203911 0.582629967 0.860644317 -6.83588818 stable

SIT1 0.039592457 9.553532214 0.554057166 0.582729408 0.860737152 -6.83597025 stable

TEDDM1 -0.00078475 2.060437656 -0.553908735 0.58283 0.860752331 -6.836053241 stable

LOC285095 -0.001522102 2.431308695 -0.553888181 0.58284393 0.860752331 -6.836064731 stable

RP11-38P22.2 0.056358234 5.936381116 0.553880008 0.582849469 0.860752331 -6.8360693 stable

RPPH1 0.011560289 2.572517742 0.553704602 0.582968355 0.860857148 -6.83616734 stable

MAGEC1 0.003289587 2.441628391 0.553655666 0.583001525 0.860857148 -6.836194687 stable

GLOD5 -0.000877807 2.195163837 -0.553595002 0.583042645 0.860857148 -6.836228584 stable

RP5-1189K21.2 -0.002520807 2.923791463 -0.553543011 0.583077887 0.860857148 -6.836257632 stable

MRGPRX2 0.001249378 2.158763179 0.553433807 0.583151916 0.860857148 -6.836318636 stable

CTBP1 -0.011489025 2.813442853 -0.553419867 0.583161365 0.860857148 -6.836326423 stable

SIAH2 -0.033166727 10.53935314 -0.553397332 0.583176642 0.860857148 -6.83633901 stable

MAPK9 0.017045768 10.23142278 0.553182083 0.583322574 0.86101853 -6.836459212 stable

KCNJ5 -0.001517864 2.751642596 -0.553120003 0.583364665 0.861026625 -6.836493871 stable

DAPL1 0.001389702 2.680878046 0.552910433 0.583506769 0.861182324 -6.836610845 stable

HOXC12 -0.002434256 2.549058652 -0.552802217 0.583580153 0.861233183 -6.83667123 stable

DUOXA1 0.001892558 2.654260147 0.552671511 0.583668795 0.861233183 -6.836744149 stable

AHCTF1 0.044688251 9.734621084 0.552644051 0.583687418 0.861233183 -6.836759466 stable

BAIAP2-AS1 0.018711327 4.595114607 0.552641635 0.583689057 0.861233183 -6.836760814 stable

PHBP8 /// PHBP8 0.003502136 3.01944673 0.552589662 0.583724306 0.861233183 -6.836789802 stable

LOC100130548 0.004097512 2.793920149 0.55250265 0.583783322 0.861266231 -6.836838328 stable

C5orf66 -0.007316326 2.870982608 -0.552322272 0.583905672 0.861362148 -6.8369389 stable

UNC119B 0.036356125 9.422673366 0.552298823 0.583921579 0.861362148 -6.836951972 stable

ZNF226 0.058050297 8.38651788 0.552165952 0.584011715 0.861383513 -6.837026033 stable

RP6-91H8.1 -0.002293093 2.935746834 -0.552147094 0.584024508 0.861383513 -6.837036542 stable

SCGB1D1 0.001745771 2.560350951 0.552054772 0.584087141 0.861383513 -6.837087989 stable

ZFP69 -0.030278941 6.373079502 -0.552045355 0.584093529 0.861383513 -6.837093236 stable

FAT1 0.002600174 2.799317671 0.5519899 0.584131153 0.861383513 -6.837124134 stable

SHROOM2 0.00082754 1.942372296 0.551848891 0.584226826 0.861383513 -6.837202686 stable

C9orf131 0.008003503 3.208598215 0.551783866 0.584270947 0.861383513 -6.837238903 stable

DAPK3 /// MIR637 0.048961433 6.998142769 0.551772273 0.584278813 0.861383513 -6.83724536 stable

LOC101927314 0.005822001 3.604925409 0.551705655 0.584324017 0.861383513 -6.837282459 stable

GLIS2 0.000862633 2.187859506 0.551681553 0.584340373 0.861383513 -6.83729588 stable

CGREF1 -0.003254024 2.734517666 -0.551609651 0.584389164 0.861383513 -6.837335915 stable

TTC26 0.003033486 2.98137234 0.551578869 0.584410053 0.861383513 -6.837353053 stable

UHRF1BP1L -0.026056627 3.416891106 -0.551575125 0.584412594 0.861383513 -6.837355137 stable

CSN1S2AP 0.001960301 2.795962901 0.551501511 0.584462552 0.861383513 -6.837396118 stable

CRABP2 -0.008763212 2.643039296 -0.551467857 0.58448539 0.861383513 -6.837414851 stable

CSNK1A1P1 -0.002777044 2.696348737 -0.551352319 0.584563804 0.8614451 -6.837479155 stable

SERPINB10 0.0569735 3.351054257 0.551248845 0.584634035 0.861494621 -6.837536734 stable

HECTD3 0.05118287 8.978313535 0.551072192 0.584753942 0.861498416 -6.837635009 stable

CDK1 0.087365853 4.569594427 0.551062735 0.584760362 0.861498416 -6.83764027 stable

NVL 0.025518427 7.564229856 0.550998004 0.584804303 0.861498416 -6.837676272 stable

RAPGEF5 0.000937335 2.129408458 0.550983813 0.584813937 0.861498416 -6.837684165 stable

GSDMC -0.011256608 2.670446906 -0.550975258 0.584819744 0.861498416 -6.837688923 stable

HNRNPA1P3 /// HNRNPA1P3 0.02341642 10.0212726 0.550765908 0.584961869 0.861616841 -6.837805327 stable

PPA2 0.056701682 2.410847441 0.550710163 0.584999717 0.861616841 -6.837836316 stable

DTL 0.133201107 3.781785374 0.550638822 0.585048154 0.861616841 -6.83787597 stable

MLXIPL -0.016714199 3.079017996 -0.550542793 0.585113358 0.861616841 -6.837929338 stable

ADGB 0.002891446 3.476501351 0.550527301 0.585123877 0.861616841 -6.837937947 stable

SETD6 -0.05982355 7.772410252 -0.550490382 0.585148946 0.861616841 -6.837958462 stable

SH3BP5 0.044123089 10.64741516 0.550479171 0.585156559 0.861616841 -6.837964691 stable

KIAA1522 0.056188409 3.495709217 0.550356138 0.585240105 0.861684877 -6.838033046 stable

ATP11A 0.033997887 7.593432806 0.550205286 0.585342551 0.861684877 -6.838116836 stable

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OR5H1 0.021628013 3.735768483 0.550101926 0.585412749 0.861684877 -6.838174234 stable

VPS51 -0.036552707 12.20333576 -0.550087462 0.585422572 0.861684877 -6.838182265 stable

RFFL -0.020463277 3.390930509 -0.54995306 0.58551386 0.861721549 -6.838256883 stable

NAPRT -0.057696418 9.834047155 -0.549942901 0.58552076 0.861721549 -6.838262522 stable

HYPM -0.000959452 2.138900113 -0.549862994 0.585575037 0.86174751 -6.838306876 stable

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ISM1 -0.001291538 2.037086179 -0.54972811 0.585666664 0.861774513 -6.838381732 stable

SAP18 0.047327473 9.314011011 0.549617272 0.585741961 0.861785795 -6.838443229 stable

IL31RA 0.001420962 2.59483194 0.549597451 0.585755427 0.861785795 -6.838454225 stable

ZNF138 0.004914518 3.012828622 0.549555029 0.585784247 0.861785795 -6.838477759 stable

IL10 0.002477837 2.714160586 0.54939567 0.585892519 0.861860978 -6.838566146 stable

MRGPRX3 0.000977451 2.097854492 0.549371949 0.585908636 0.861860978 -6.838579301 stable

FABP6 0.000794721 2.151190338 0.549267371 0.585979694 0.861896753 -6.838637288 stable

SLC4A5 0.026137204 2.883341303 0.549228299 0.586006244 0.861896753 -6.838658951 stable

LOC283674 0.001160914 2.359153509 0.549156314 0.586055159 0.8619148 -6.838698856 stable

BRAT1 0.031105082 8.706229018 0.549069135 0.586114403 0.861925151 -6.838747178 stable

LOC400958 0.004921871 2.70613318 0.549038109 0.586135487 0.861925151 -6.838764374 stable

RPL11 0.013890996 15.080157 0.548920375 0.5862155 0.861988921 -6.838829616 stable

RTTN 0.016243207 3.3338132 0.5488087 0.5862914 0.862021074 -6.838891488 stable

LAMP5 -0.228732577 6.470623744 -0.548780356 0.586310665 0.862021074 -6.83890719 stable

RBM47 0.105886009 10.54189869 0.548685215 0.586375332 0.86203611 -6.838959889 stable

KCNK4 0.000840281 2.190153518 0.548630406 0.586412587 0.86203611 -6.838990244 stable

CABS1 0.001523332 2.4942092 0.548603554 0.58643084 0.86203611 -6.839005114 stable

ERCC6L 0.02014299 5.342172316 0.548526088 0.586483499 0.862059641 -6.83904801 stable

QDPR 0.07342479 8.924056779 0.548407893 0.586563848 0.862097128 -6.839113448 stable

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DOHH -0.03316519 7.935451365 -0.548318788 0.586624425 0.86210516 -6.839162771 stable

RNASE2 -0.138881596 10.6784651 -0.547850327 0.586942953 0.862460409 -6.839421953 stable

TSGA13 -0.005199337 2.75577301 -0.547796327 0.586979675 0.862460409 -6.839451815 stable

ADNP2 -0.042448854 8.6765868 -0.547762258 0.587002844 0.862460409 -6.839470654 stable

PRO1483 -0.000802675 2.160574884 -0.547707234 0.587040266 0.862460409 -6.839501078 stable

CPB2 0.000783634 2.186472215 0.547693664 0.587049494 0.862460409 -6.83950858 stable

RREB1 0.02727061 10.7910945 0.547582079 0.587125385 0.862469228 -6.839570266 stable

TMEM120A 0.063706062 7.901035283 0.54747065 0.587201175 0.862469228 -6.839631854 stable

RP11-395I6.3 0.077216944 6.436183438 0.547269095 0.587338275 0.862469228 -6.839743223 stable

OR1A2 0.001867146 2.566336143 0.547260161 0.587344353 0.862469228 -6.839748159 stable

GJC1 0.00100669 2.264626325 0.547217022 0.587373699 0.862469228 -6.83977199 stable

ARHGAP28 0.001009541 2.323142725 0.54718622 0.587394653 0.862469228 -6.839789004 stable

GPR110 0.001746352 2.866336886 0.54718163 0.587397775 0.862469228 -6.83979154 stable

MMP14 -0.011865694 2.695026763 -0.547043156 0.587491981 0.862469228 -6.839868019 stable

ZNF655 0.045623609 9.838002667 0.546993002 0.587526104 0.862469228 -6.839895714 stable

PSMB7 -0.025435633 11.55011955 -0.546923201 0.587573594 0.862469228 -6.839934254 stable

C3 0.07901034 6.165910041 0.546883636 0.587600514 0.862469228 -6.839956097 stable

LOC253573 0.005742762 3.272960513 0.546867988 0.587611161 0.862469228 -6.839964736 stable

ANKRD30A 0.002041641 2.77645319 0.546768485 0.587678866 0.862469228 -6.840019662 stable

COG7 -0.022341319 8.119268614 -0.546767329 0.587679652 0.862469228 -6.8400203 stable

TYMP -0.12004863 11.10973126 -0.546719929 0.587711906 0.862469228 -6.840046461 stable

GAS5-AS1 -0.01149355 2.835485978 -0.546692238 0.587730748 0.862469228 -6.840061744 stable

CST13P 0.00243837 2.680792939 0.546641805 0.587765067 0.862469228 -6.840089575 stable

FLJ31356 0.009878064 4.46509593 0.546622511 0.587778197 0.862469228 -6.840100222 stable

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RTEL1 /// RTEL1-TNFRSF6B -0.020231211 4.266757793 -0.546330646 0.587976828 0.862469228 -6.840261234 stable

PCP4 -0.003115954 3.039946175 -0.546328198 0.587978494 0.862469228 -6.840262584 stable

LOC101927447 0.001639697 2.391392356 0.546277441 0.58801304 0.862469228 -6.840290576 stable

HADHA 0.025824165 11.63952748 0.54622403 0.588049393 0.862469228 -6.840320028 stable

BTC 0.005304167 3.189698331 0.546166831 0.588088327 0.862469228 -6.840351567 stable

DUT 0.049247607 7.077411945 0.546120864 0.588119615 0.862469228 -6.84037691 stable

LOC101928647 -0.00211309 2.504691531 -0.546087164 0.588142555 0.862469228 -6.840395489 stable

RP11-893F2.14 -0.000936099 2.010121913 -0.5460048 0.588198622 0.862469228 -6.840440891 stable

MRPL12 -0.036908297 9.102468501 -0.545934538 0.588246453 0.862469228 -6.840479617 stable

GJB3 0.001839867 2.67572957 0.545911711 0.588261992 0.862469228 -6.840492197 stable

ITIH3 -0.004266785 2.22989572 -0.54591154 0.588262108 0.862469228 -6.840492291 stable

SASH1 0.124937219 5.32029163 0.545904894 0.588266633 0.862469228 -6.840495953 stable

NXNL2 0.020113766 3.024751193 0.545817657 0.588326023 0.862469228 -6.840544026 stable

ATP10D -0.046452231 9.056560503 -0.545781913 0.588350358 0.862469228 -6.84056372 stable

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OR12D2 0.000987795 2.229062948 0.545682784 0.588417848 0.862469228 -6.840618333 stable

CACNA1C 0.002667235 2.811604726 0.545635827 0.58844982 0.862469228 -6.8406442 stable

SNCG -0.016057474 3.346840771 -0.54562308 0.588458499 0.862469228 -6.840651221 stable

LOC440416 0.002978191 2.964379748 0.545614357 0.588464438 0.862469228 -6.840656025 stable

LOC254057 0.003202248 2.604661363 0.545543471 0.588512705 0.862469228 -6.840695068 stable

CTA-292E10.6 -0.052123023 4.061316891 -0.54552116 0.588527896 0.862469228 -6.840707355 stable

MAOA 0.004582394 3.036075058 0.545475648 0.588558887 0.862469228 -6.840732418 stable

FN3K 0.000968747 2.212865208 0.545395869 0.588613212 0.862495101 -6.840776347 stable

LOC100506371 -0.022273478 3.686749371 -0.545225214 0.588729428 0.862552377 -6.840870293 stable

BCL2L12 0.02991678 7.377821747 0.545216634 0.588735271 0.862552377 -6.840875016 stable

ATRX 0.061969527 8.429854132 0.545176924 0.588762315 0.862552377 -6.840896872 stable

RP1-263J7.2 0.008313752 3.780396096 0.545039903 0.588855636 0.862635365 -6.840972275 stable

NAPSA -0.022005735 3.845360143 -0.544891978 0.588956392 0.862729233 -6.841053657 stable

YIPF2 0.033081003 4.693325574 0.544811598 0.589011144 0.862755706 -6.84109787 stable

RP11-167H9.3 0.001896787 2.649979246 0.544591888 0.589160817 0.862844883 -6.841218689 stable

OR51B2 -0.009594799 2.394125387 -0.544543827 0.58919356 0.862844883 -6.841245111 stable

ZNF645 -0.001839433 2.228489319 -0.544491603 0.58922914 0.862844883 -6.84127382 stable

SPOCK3 0.002436653 2.732746655 0.544480665 0.589236592 0.862844883 -6.841279832 stable

TAF1B 0.029709373 4.309107822 0.544368337 0.589313124 0.862844883 -6.84134157 stable

RP11-532F12.5 -0.027939479 3.373159044 -0.544297295 0.58936153 0.862844883 -6.84138061 stable

HERC1 0.03558088 11.09227106 0.544263068 0.589384852 0.862844883 -6.841399417 stable

av27s1 /// TRAV39 /// TRAV39 0.08920184 5.742734787 0.544258178 0.589388184 0.862844883 -6.841402104 stable

GLRA2 0.00192312 2.559665661 0.544237635 0.589402182 0.862844883 -6.841413392 stable

RAB15 -0.060173628 4.992578068 -0.544114983 0.58948576 0.862913527 -6.841480774 stable

LAPTM4B -0.092982681 7.256744672 -0.544060588 0.589522828 0.862914085 -6.841510653 stable

PSMD5-AS1 -0.235692189 8.254998101 -0.543980986 0.589577076 0.862939788 -6.841554372 stable

MIR424 /// MIR503 /// MIR503HG -0.02282787 2.177565969 -0.543886957 0.589641158 0.862979882 -6.841606007 stable

TMPO-AS1 -0.007700905 2.858156197 -0.543666171 0.589791641 0.863146415 -6.841727214 stable

SLC17A2 -0.001965599 2.66231102 -0.543550909 0.589870208 0.863207687 -6.841790471 stable

TBC1D2 0.079694462 8.345921236 0.543496656 0.58990719 0.863208102 -6.841820241 stable

CTU2 -0.02288065 4.043849444 -0.543380815 0.589986159 0.863249607 -6.841883797 stable

NUCB1 0.03590563 10.53971289 0.543347374 0.590008957 0.863249607 -6.841902142 stable

PRRG4 0.12910779 6.624733111 0.543263248 0.59006631 0.863277204 -6.841948285 stable

CAMTA1 -0.130586116 3.483246112 -0.543177449 0.590124807 0.863277204 -6.84199534 stable

VIP 0.004952143 3.275457044 0.543158207 0.590137926 0.863277204 -6.842005892 stable

GATSL2 0.021666361 7.575127855 0.543042565 0.590216775 0.863338853 -6.8420693 stable

PMS1 0.00561884 3.868975002 0.542942202 0.590285209 0.863385263 -6.842124318 stable

LOC101928651 0.002282354 2.82253318 0.542739963 0.590423122 0.863484497 -6.842235156 stable

INSL6 0.001388324 2.133842556 0.542735043 0.590426477 0.863484497 -6.842237851 stable

GRINA -0.064089817 11.03298129 -0.542639939 0.590491337 0.863525661 -6.842289959 stable

IL18 0.086966661 6.506968972 0.542453033 0.590618815 0.863617193 -6.842392338 stable

LOC100287387 -0.00280969 3.226994165 -0.542390257 0.590661633 0.863617193 -6.842426716 stable

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TLR7 0.098445015 8.877399763 0.542329219 0.590703268 0.863620808 -6.842460139 stable

CHMP1B 0.032344977 9.202481198 0.542050539 0.590893376 0.863845056 -6.842612689 stable

TMEM253 0.001889034 2.339915356 0.541683195 0.591144013 0.864157759 -6.842813656 stable

KCNA5 0.059025283 2.775407371 0.541574786 0.59121799 0.86421219 -6.842872939 stable

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GM2A -0.089842325 9.047022831 -0.541358697 0.591365459 0.86431971 -6.842991071 stable

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CKAP2L -0.006895515 2.320456769 -0.541211964 0.591465607 0.86431971 -6.843071262 stable

ACO2 0.027295183 10.70606081 0.541166474 0.591496656 0.86431971 -6.843096117 stable

UGT2A3 0.004253032 3.097673167 0.541143096 0.591512613 0.86431971 -6.843108891 stable

JRKL -0.011966401 3.295459613 -0.541067467 0.591564236 0.86431971 -6.843150209 stable

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NUDT4 /// NUDT4P1 -0.092597295 8.354942755 -0.540800555 0.591746443 0.864501123 -6.843295984 stable

COL5A3 0.149647371 3.297424494 0.540419052 0.592006921 0.86477675 -6.84350422 stable

TBX5-AS1 0.00204062 2.580761091 0.540331518 0.592066694 0.86477675 -6.843551978 stable

FAM46D -0.002178381 2.63007062 -0.540302112 0.592086775 0.86477675 -6.843568021 stable

IAH1 0.030419152 9.87265003 0.540256441 0.592117963 0.86477675 -6.843592934 stable

LOC100506922 -0.122694554 6.10307188 -0.540191384 0.592162391 0.86477675 -6.843628419 stable

ACE 0.003425925 2.67465986 0.540177898 0.592171602 0.86477675 -6.843635775 stable

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LOC284837 0.121638885 8.873786493 0.540051372 0.592258013 0.86477675 -6.843704775 stable

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PLCB4 0.004456481 2.609292399 0.539572772 0.59258493 0.864995122 -6.84396563 stable

PRC1 0.07833411 5.209616528 0.539568576 0.592587796 0.864995122 -6.843967916 stable

USP42 -0.003605646 2.294108121 -0.539551534 0.592599439 0.864995122 -6.8439772 stable

SLC36A4 -0.023490569 4.225494081 -0.539251857 0.592804185 0.865240287 -6.844140413 stable

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SEMA3A 0.003862746 2.880086912 0.538869031 0.593065789 0.865275012 -6.844348782 stable

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LOC101928747 /// RBMX /// SNORD61 0.04476292 7.551030422 0.538840208 0.593085487 0.865275012 -6.844364464 stable

TTC4 0.039874967 8.182772447 0.538608761 0.593243676 0.865423319 -6.844490361 stable

RP11-83N9.5 0.020860586 7.624554673 0.538583813 0.593260728 0.865423319 -6.844503929 stable

SAMD1 -0.049532257 7.727503275 -0.538507291 0.593313034 0.865445946 -6.84454554 stable

MCM4 0.085922997 6.540471649 0.538338936 0.59342812 0.86556014 -6.844637067 stable

HDDC3 -0.025869369 8.636542913 -0.538134422 0.593567938 0.865667133 -6.844748215 stable

TRIM55 0.001005209 2.482071158 0.53799649 0.593662245 0.865667133 -6.844823153 stable

GUSBP5 -0.017579831 2.56340545 -0.537994433 0.593663652 0.865667133 -6.844824271 stable

LOC100507419 /// LOC101929668 0.039135086 2.954048658 0.537881162 0.593741103 0.865667133 -6.844885797 stable

FAM151A 0.000690778 1.987966638 0.537879574 0.593742189 0.865667133 -6.844886659 stable

PPAT 0.072258593 7.93748503 0.537842683 0.593767416 0.865667133 -6.844906695 stable

C1orf234 0.002528046 2.727008242 0.53783566 0.593772218 0.865667133 -6.844910509 stable

POM121L2 0.001809398 2.557029108 0.537801018 0.593795907 0.865667133 -6.844929321 stable

NT5C1B /// NT5C1B-RDH14 0.001569979 2.644096476 0.537671692 0.593884346 0.865733331 -6.844999542 stable

IL25 0.000943944 2.34410626 0.537618006 0.59392106 0.865733331 -6.845028687 stable

F3 -0.010774288 4.110583082 -0.537573153 0.593951735 0.865733331 -6.845053035 stable

KDF1 -0.019552965 2.343740338 -0.53746769 0.594023865 0.865740314 -6.845110276 stable

HYAL3 0.039153885 2.274811242 0.537418962 0.594057193 0.865740314 -6.84513672 stable

MYH4 0.009975831 3.480206946 0.5374047 0.594066947 0.865740314 -6.845144459 stable

ARMC9 -0.007115039 2.970684357 -0.537194095 0.594211003 0.865874462 -6.84525872 stable

ACOT13 0.046419894 8.47686905 0.537148877 0.594241935 0.865874462 -6.845283248 stable

RNF217 0.12023358 6.041502959 0.537101995 0.594274005 0.865874462 -6.845308674 stable

RP11-513N24.1 0.00479828 3.234190562 0.536987631 0.594352242 0.865874462 -6.845370692 stable

PCDHB1 0.000818715 2.078395196 0.536960959 0.59437049 0.865874462 -6.845385155 stable

CCL23 0.000808321 2.174962843 0.536934148 0.594388832 0.865874462 -6.845399691 stable

HCG9 -0.006549903 3.145243564 -0.536893432 0.594416689 0.865874462 -6.845421766 stable

RP11-363E7.4 -0.095010417 4.852614662 -0.536704868 0.594545704 0.866008762 -6.845523975 stable

FAM89A /// MIR1182 0.063369471 5.782224113 0.53645475 0.594716854 0.866204416 -6.845659495 stable

RP11-304L19.4 -0.002436014 2.958437592 -0.536299669 0.594822984 0.866221521 -6.84574349 stable

GPT -0.004786283 2.640719151 -0.536251692 0.594855819 0.866221521 -6.845769471 stable

ST3GAL6 0.110013879 6.998839873 0.536230071 0.594870617 0.866221521 -6.845781178 stable

SEC24D 0.071101244 7.697057265 0.536222341 0.594875908 0.866221521 -6.845785364 stable

S100P -0.218129662 8.084322213 -0.536022532 0.595012667 0.866367026 -6.845893534 stable

TMEM213 0.003206866 2.841745783 0.535913458 0.595087329 0.866390668 -6.845952567 stable

RP11-400N9.1 0.008692927 3.642265971 0.535891188 0.595102573 0.866390668 -6.845964618 stable

DLEU2 /// MIR15A -0.04577852 5.143901734 -0.535622336 0.595286626 0.866568056 -6.846110068 stable

PARD6B 0.002180617 2.375793857 0.535594645 0.595305585 0.866568056 -6.846125045 stable

RP11-1152H14.1 0.010071547 2.317873418 0.535420888 0.595424553 0.866568056 -6.846219006 stable

GPD1L 0.038379749 9.362695229 0.535400848 0.595438274 0.866568056 -6.84622984 stable

LINC00955 0.001857777 2.485705658 0.535392705 0.59544385 0.866568056 -6.846234243 stable

CTD-2528L19.6 0.0292349 6.000987771 0.535367386 0.595461187 0.866568056 -6.846247931 stable

LOC101929910 /// LOC613037 /// NPIPA5 /// NPIPB11 /// NPIPB3 /// NPIPB4 /// NPIPB5 /// NPIPB8 -0.034630015 3.943039529 -0.535336532 0.595482313 0.866568056 -6.846264611 stable

IFIT3 0.144497526 8.696502297 0.535192262 0.595581105 0.866573806 -6.846342591 stable

RP11-440L14.3 -0.011737193 3.902735416 -0.535186682 0.595584926 0.866573806 -6.846345607 stable

TNFSF18 -0.001190684 2.387792195 -0.535169355 0.595596792 0.866573806 -6.846354971 stable

ADAM18 0.000866491 2.208983423 0.535064159 0.595668833 0.866625015 -6.846411815 stable

TMEM55B -0.030281954 10.01438592 -0.534677031 0.595933983 0.866771564 -6.846620912 stable

DIRAS2 0.00215124 2.637697964 0.534369191 0.596144869 0.866771564 -6.846787077 stable

EIF2AK1 -0.094693306 7.579149497 -0.534347264 0.596159891 0.866771564 -6.846798909 stable

LINC00893 /// LINC00894 -0.066359781 5.573447408 -0.534254606 0.596223374 0.866771564 -6.846848903 stable

LOC644852 0.001324088 2.332743071 0.534049023 0.596364237 0.866771564 -6.846959797 stable

IL3 0.001594252 2.514012721 0.533985764 0.596407584 0.866771564 -6.846993911 stable

KIAA1875 -0.000777619 2.157974571 -0.533913712 0.596456958 0.866771564 -6.847032762 stable

LOC101060181 /// ZNF44 0.023282435 3.1064906 0.533899362 0.596466792 0.866771564 -6.847040499 stable

MND1 0.032382042 3.645538434 0.533892033 0.596471814 0.866771564 -6.84704445 stable

PECAM1 0.121343904 9.21001874 0.533840256 0.596507297 0.866771564 -6.847072364 stable

OR7E104P 0.010425673 2.054749803 0.533792477 0.59654004 0.866771564 -6.847098121 stable

RP11-574H6.1 0.000827015 2.228873336 0.533762446 0.596560621 0.866771564 -6.847114308 stable

HOGA1 0.000707873 1.921812658 0.533658586 0.596631801 0.866771564 -6.847170286 stable

BC069782 /// STAMBPL1 -0.055188854 3.719621684 -0.53359084 0.596678234 0.866771564 -6.847206793 stable

DLGAP5 -0.135087773 2.912097293 -0.533582915 0.596683665 0.866771564 -6.847211063 stable

C15orf40 -0.043064756 9.474394714 -0.533559179 0.596699934 0.866771564 -6.847223853 stable

MLEC 0.045782731 8.924563324 0.533553419 0.596703882 0.866771564 -6.847226957 stable

IGLL1 -0.003783306 3.062102723 -0.533552276 0.596704665 0.866771564 -6.847227573 stable

KCTD19 0.001605312 2.601283845 0.53339502 0.596812455 0.866771564 -6.847312292 stable

SPRR3 -0.004827532 2.462581359 -0.533389031 0.59681656 0.866771564 -6.847315517 stable

SOX18 0.000684339 1.961647039 0.533338396 0.596851269 0.866771564 -6.847342791 stable

C18orf21 -0.007157003 2.923932752 -0.533277517 0.596893002 0.866771564 -6.847375578 stable

MOK -0.006141445 2.385745109 -0.53327277 0.596896256 0.866771564 -6.847378135 stable

KIAA0907 -0.02812665 10.7499629 -0.533251706 0.596910696 0.866771564 -6.847389478 stable

EPC1 -0.038345799 7.508474969 -0.533242125 0.596917263 0.866771564 -6.847394637 stable

SBF2-AS1 -0.001435945 2.275237544 -0.533119204 0.597001532 0.866771564 -6.847460824 stable

DDB1 0.011634354 10.99457931 0.533095106 0.597018053 0.866771564 -6.847473797 stable

GPR143 -0.00088183 2.219343189 -0.533046688 0.597051248 0.866771564 -6.847499862 stable

GK3P -0.081036489 7.103667849 -0.533005084 0.597079771 0.866771564 -6.847522257 stable

RP11-54K16.2 0.01544759 7.257698224 0.53300469 0.597080041 0.866771564 -6.847522469 stable

LRFN3 0.053631935 4.223458924 0.532974005 0.597101079 0.866771564 -6.847538985 stable

PLGRKT -0.045069865 9.470950769 -0.532939421 0.597124792 0.866771564 -6.847557599 stable

CTD-2199O4.3 /// CTD-2199O4.7 0.003943846 2.715182882 0.532888965 0.597159387 0.866771564 -6.847584753 stable

FLRT2 /// LOC100506718 -0.004997367 2.2252627 -0.532861804 0.59717801 0.866771564 -6.847599369 stable

SUN5 -0.001031933 2.139623931 -0.532840558 0.597192578 0.866771564 -6.847610802 stable

PMS2P5 /// PMS2P9 -0.034268422 9.164955483 -0.532836492 0.597195366 0.866771564 -6.847612991 stable

TP53 -0.01968563 10.23759249 -0.532801781 0.597219166 0.866771564 -6.847631668 stable

AV8S2 /// TRAV13-2 /// TRAV13-2 0.079953403 6.949161072 0.532801552 0.597219324 0.866771564 -6.847631791 stable

LECT2 0.001147146 2.39878134 0.532799276 0.597220884 0.866771564 -6.847633016 stable

FAM86B3P 0.028621132 5.817030065 0.532691995 0.597294448 0.866771564 -6.847690734 stable

DNASE1L3 0.006568372 2.541405381 0.532680188 0.597302544 0.866771564 -6.847697085 stable

CAMK1 0.105257179 8.18374077 0.532658666 0.597317303 0.866771564 -6.847708663 stable

NTNG2 0.058274821 4.70862248 0.532396129 0.597497348 0.866909426 -6.847849853 stable

GRP 0.002372515 2.843751313 0.532384436 0.597505367 0.866909426 -6.84785614 stable

PLCL2 0.027392885 11.7945832 0.532358905 0.597522878 0.866909426 -6.847869866 stable

ANGPTL4 -0.003763107 2.664633513 -0.532256142 0.59759336 0.866958207 -6.847925109 stable

APOBEC3D -0.01563994 3.139853129 -0.532138885 0.597673788 0.866976748 -6.84798813 stable

PSMB8-AS1 -0.025241133 11.77735727 -0.532130035 0.597679859 0.866976748 -6.847992886 stable

ASCL2 -0.003211917 2.051485431 -0.532024348 0.597752356 0.866992323 -6.848049676 stable

PCSK6 0.001964819 2.415419884 0.532006911 0.597764317 0.866992323 -6.848059045 stable

C9orf163 -0.00126862 2.081858252 -0.531927728 0.597818636 0.867017644 -6.848101585 stable

FAM71E2 0.000700467 1.905797171 0.531743421 0.59794508 0.867108163 -6.848200577 stable

LOC100130502 -0.014228039 3.24306495 -0.531729281 0.597954781 0.867108163 -6.84820817 stable

RP3-391O22.2 /// RPL7P25 0.004204149 3.204817497 0.531668644 0.597996384 0.867115033 -6.84824073 stable

MIR205 -0.002674604 2.776712415 -0.531444576 0.598150128 0.867248063 -6.848361015 stable

OAS2 0.054938484 10.95247508 0.531398396 0.598181818 0.867248063 -6.8483858 stable

LRFN5 0.001525233 2.537168447 0.531373735 0.59819874 0.867248063 -6.848399035 stable

NTN5 0.0040731 2.456745473 0.531289719 0.598256395 0.867278192 -6.848444118 stable

HEBP2 -0.047608507 10.9376446 -0.531080156 0.598400216 0.867334504 -6.848556539 stable

CLSTN2 -0.001826306 2.567389338 -0.531024314 0.598438542 0.867334504 -6.848586488 stable

CTSD 0.068591105 10.03985606 0.531021057 0.598440777 0.867334504 -6.848588235 stable

PRDM5 0.006033126 3.156707085 0.531018199 0.598442739 0.867334504 -6.848589768 stable

NPNT 0.003244529 2.799747513 0.530834387 0.598568905 0.867463908 -6.848688328 stable

CDC37P1 /// CDC37P1 0.007159044 3.10121555 0.530772107 0.598611656 0.867472414 -6.848721714 stable

REEP3 -0.028406418 9.401773566 -0.530716154 0.598650065 0.867474629 -6.848751706 stable

PRR16 0.042241874 2.652591172 0.530633137 0.598707055 0.867491824 -6.848796199 stable

C10orf2 0.067997914 6.452439299 0.530572044 0.598748995 0.867491824 -6.848828937 stable

TPSAB1 /// TPSB2 -0.029590474 2.299949098 -0.530537695 0.598772576 0.867491824 -6.848847342 stable

AP5Z1 /// MIR4656 -0.020874499 8.391517744 -0.530369465 0.598888077 0.867605719 -6.848937468 stable

SUZ12P /// SUZ12P1 0.059700706 4.105131007 0.530292913 0.598940638 0.867628426 -6.84897847 stable

PAX4 0.002091581 2.421558373 0.530151811 0.599037525 0.867715336 -6.84905403 stable

CYP3A4 -0.010014333 4.197816275 -0.529968572 0.599163356 0.867780484 -6.849152124 stable

AASS -0.033050141 3.361226822 -0.529932461 0.599188155 0.867780484 -6.849171452 stable

AZU1 -0.16590731 3.272499314 -0.529844793 0.599248363 0.867780484 -6.849218369 stable

USP47 0.026383037 11.1484313 0.529792144 0.599284522 0.867780484 -6.849246541 stable

LOC389834 /// MAFIP /// TEKT4P2 -0.177299639 9.142096043 -0.529619555 0.599403063 0.867780484 -6.849338873 stable

ZFP36 0.054580811 12.94090162 0.529576971 0.599432313 0.867780484 -6.84936165 stable

C9orf156 0.001385792 2.596545013 0.5295734 0.599434766 0.867780484 -6.849363561 stable

EFHD1 0.000766249 2.035711235 0.52957262 0.599435301 0.867780484 -6.849363977 stable

RP1-155D22.1 -0.00446467 2.568632687 -0.529571677 0.59943595 0.867780484 -6.849364482 stable

ZNF784 -0.050865222 4.536875872 -0.529513833 0.599475682 0.867780484 -6.849395418 stable

CSNK1E /// CSNK1E /// LOC400927 -0.025089927 4.913515181 -0.529495416 0.599488333 0.867780484 -6.849405267 stable

CASP14 0.000766693 2.211113858 0.529433415 0.599530923 0.867788729 -6.849438422 stable

TRAC /// TRAJ17 /// TRAV20 /// TRDV2 0.059798237 13.68603048 0.529375586 0.599570649 0.867792827 -6.849469342 stable

CNIH1 0.028069343 10.82345642 0.5292514 0.599655963 0.867862903 -6.849535731 stable

DOCK6 -0.000811826 2.208137824 -0.529108897 0.599753867 0.867951191 -6.849611894 stable

LOC100130456 0.001780646 2.420535266 0.529009099 0.599822436 0.867997017 -6.84966522 stable

GABRB2 0.00494203 3.281865401 0.52891195 0.599889188 0.868027034 -6.84971712 stable

HMGB3P30 /// HMGB3P30 0.009902276 3.821380124 0.528812676 0.599957404 0.868027034 -6.849770147 stable

AFM 0.000975064 2.489786399 0.528694926 0.600038321 0.868027034 -6.84983303 stable

PPM1K 0.03807135 10.94221486 0.52866824 0.60005666 0.868027034 -6.849847279 stable

HIST1H4A /// HIST1H4B /// HIST1H4C /// HIST1H4D /// HIST1H4E /// HIST1H4F /// HIST1H4H /// HIST1H4I /// HIST1H4J /// HIST1H4K /// HIST1H4L /// HIST2H4A /// HIST2H4B /// HIST4H4 -0.056492834 9.218628647 -0.528594163 0.600107569 0.868027034 -6.84988683 stable

CTRB2 -0.025880311 5.291299168 -0.528556805 0.600133243 0.868027034 -6.849906774 stable

CDH23 /// LOC100653137 -0.00081113 2.040982484 -0.528525723 0.600154605 0.868027034 -6.849923367 stable

FRY-AS1 -0.008016579 3.116558258 -0.52843086 0.600219803 0.868027034 -6.849974001 stable

KIF25 0.000843298 2.246349053 0.528406635 0.600236454 0.868027034 -6.84998693 stable

NLE1 0.024509788 2.738733741 0.528344936 0.600278861 0.868027034 -6.850019856 stable

PROSER2-AS1 0.001803434 2.5820104 0.528283604 0.600321018 0.868027034 -6.850052583 stable

PANX3 0.002875282 2.754561502 0.527979544 0.600530035 0.868027034 -6.850214774 stable

SPO11 -0.002670562 3.530906218 -0.527929706 0.600564298 0.868027034 -6.850241349 stable

CD14 0.080376829 13.67121796 0.527918317 0.600572128 0.868027034 -6.850247422 stable

ZER1 -0.042907883 6.16674937 -0.527876 0.600601222 0.868027034 -6.850269985 stable

C18orf42 0.00498688 3.094592279 0.527856928 0.600614334 0.868027034 -6.850280153 stable

PRMT5-AS1 -0.001244972 2.123437643 -0.527812896 0.600644607 0.868027034 -6.850303627 stable

LPPR3 0.001978441 2.430376149 0.527795156 0.600656804 0.868027034 -6.850313084 stable

KANSL1-AS1 0.11044741 3.428674579 0.527787842 0.600661833 0.868027034 -6.850316983 stable

TXNDC8 -0.001831307 2.586776861 -0.527784674 0.600664011 0.868027034 -6.850318672 stable

HSPA2 -0.02313738 3.243794003 -0.527639263 0.600763992 0.868027034 -6.850396176 stable

IFNW1 -0.002183814 2.674878895 -0.527609699 0.60078432 0.868027034 -6.850411931 stable

CLEC3B /// EXOSC7 -0.077613215 7.064997465 -0.52760923 0.600784643 0.868027034 -6.850412181 stable

PAQR6 -0.074922571 6.237531162 -0.527547296 0.60082723 0.868027034 -6.850445183 stable

CAMKMT -0.006289633 3.737096702 -0.527459095 0.600887882 0.868027034 -6.850492176 stable

C2orf15 0.00977121 3.56362273 0.527442232 0.600899478 0.868027034 -6.85050116 stable

LOC102723722 /// NDUFA6-AS1 0.012133766 4.06433996 0.527418434 0.600915844 0.868027034 -6.850513837 stable

NUDT15 0.033291875 7.808274015 0.527406179 0.600924271 0.868027034 -6.850520365 stable

ZMYM2 -0.031614862 10.81925565 -0.527347137 0.600964875 0.868027034 -6.850551816 stable

P4HA1 0.036784602 9.600064038 0.527345712 0.600965854 0.868027034 -6.850552574 stable

LOC100506885 0.000708594 2.058395475 0.527314654 0.600987213 0.868027034 -6.850569116 stable

LINC00309 0.002160669 2.648512499 0.527094031 0.60113895 0.86819288 -6.850686597 stable

H2AFY -0.028482415 13.03547899 -0.526911633 0.60126441 0.868300394 -6.850783686 stable

PCGF5 -0.04011119 11.35167742 -0.526878466 0.601287225 0.868300394 -6.850801337 stable

TPP1 -0.035630235 12.56681005 -0.526636846 0.601453442 0.868487102 -6.850929891 stable

SEC16A 0.017136406 11.11849871 0.5263906 0.601622864 0.868678415 -6.851060846 stable

UBE2V1P9 /// UBE2V1P9 0.009997356 4.891581551 0.526096072 0.601825534 0.86880351 -6.851217399 stable

ADH1C -0.003935103 3.228971396 -0.526094451 0.601826649 0.86880351 -6.85121826 stable

ART3 0.001252434 2.486570963 0.526021669 0.601876737 0.86880351 -6.851256933 stable

F11 0.002915621 2.625818594 0.525996799 0.601893853 0.86880351 -6.851270147 stable

LDB3 0.002787382 2.695301377 0.525996311 0.601894188 0.86880351 -6.851270405 stable

NEBL-AS1 -0.001001626 2.172339863 -0.52590919 0.601954148 0.868829808 -6.851316689 stable

FAM219A 0.029777878 7.754151431 0.525833634 0.602006149 0.868829808 -6.851356821 stable

LOC284561 0.001603093 2.808163069 0.525771529 0.602048895 0.868829808 -6.851389805 stable

MSMB 0.003466116 2.986364281 0.525755161 0.602060161 0.868829808 -6.851398498 stable

IRX1 -0.003929493 3.400423334 -0.525570095 0.602187548 0.868960326 -6.85149676 stable

PSMC3 0.039801332 10.40706767 0.525426706 0.602286255 0.869049446 -6.85157287 stable

LINC00881 0.004236842 3.140053364 0.525342039 0.602344543 0.869070327 -6.851617802 stable

LOC285300 0.000864797 2.142035173 0.525298346 0.602374624 0.869070327 -6.851640986 stable

EXOC6B -0.014319553 3.955495272 -0.52519306 0.602447112 0.869121598 -6.851696845 stable

MUSK 0.001172429 2.345649271 0.525089551 0.60251838 0.869171102 -6.85175175 stable

CSF3R -0.089758083 11.931881 -0.524941681 0.602620199 0.869237237 -6.851830168 stable

SHE -0.014323714 2.860058526 -0.524892448 0.602654101 0.869237237 -6.851856272 stable

ZNF431 0.057028084 8.324198292 0.524819733 0.602704176 0.869237237 -6.851894822 stable

SMCP -0.000987476 2.195317589 -0.52477672 0.602733796 0.869237237 -6.851917623 stable

CCDC93 -0.024874142 9.18264887 -0.524748495 0.602753234 0.869237237 -6.851932584 stable

SETD2 -0.025087267 10.83476036 -0.524700974 0.60278596 0.869237237 -6.851957772 stable

BC036209 0.004440106 3.342903596 0.524590448 0.60286208 0.86929371 -6.852016344 stable

RP11-255P5.2 0.001253286 2.40809517 0.524398718 0.602994137 0.869400463 -6.852117923 stable

NDUFAF4 0.026645007 9.052398913 0.524375629 0.60301004 0.869400463 -6.852130152 stable

ASPHD1 -0.001350083 2.123695321 -0.524305292 0.60305849 0.869417024 -6.852167406 stable

SH3RF3-AS1 0.002185189 3.016112902 0.52416647 0.603154119 0.869461595 -6.852240918 stable

HEPACAM2 0.002093302 2.649170746 0.524011492 0.603260885 0.869461595 -6.852322962 stable

LINC00965 0.054595925 3.525082529 0.523985234 0.603278975 0.869461595 -6.85233686 stable

TTC28 0.057585926 3.289035647 0.523972307 0.603287881 0.869461595 -6.852343702 stable

ACOT7 0.102009827 6.882310501 0.523953315 0.603300966 0.869461595 -6.852353754 stable

MAP2K7 0.021784123 4.54790555 0.523932789 0.603315107 0.869461595 -6.852364617 stable

GAS5 -0.02020707 5.096636081 -0.523822609 0.603391021 0.869461595 -6.852422923 stable

CAMP -0.237452956 8.308811651 -0.523690809 0.603481835 0.869461595 -6.852492653 stable

PPOX 0.027662154 8.849295451 0.52365544 0.603506207 0.869461595 -6.852511362 stable

LOC286189 0.00242443 3.012080793 0.523651735 0.603508759 0.869461595 -6.852513322 stable

TRIM29 0.001405903 2.4055059 0.523647046 0.603511991 0.869461595 -6.852515802 stable

DKFZp434L192 0.004674238 3.303828048 0.523616571 0.60353299 0.869461595 -6.852531922 stable

SMC4 0.029733677 9.904040075 0.523487328 0.603622053 0.869536643 -6.852600273 stable

RP11-63K6.7 -0.010661787 3.268347269 -0.523202587 0.603818292 0.869766063 -6.852750802 stable

GAGE3 -0.000856923 2.30422845 -0.523138424 0.603862516 0.8697765 -6.85278471 stable

SLC35G2 0.002800306 2.310538888 0.522940152 0.603999185 0.869782906 -6.852889467 stable

AFAP1L1 0.020301663 2.703549514 0.52290179 0.604025629 0.869782906 -6.85290973 stable

PPARGC1A 0.002132449 2.626926064 0.522763324 0.604121084 0.869782906 -6.85298286 stable

SCAF1 -0.048975503 6.732593673 -0.522721063 0.604150219 0.869782906 -6.853005176 stable

FAM173B 0.044681076 5.406540583 0.522686003 0.60417439 0.869782906 -6.853023688 stable

NRXN3 -0.000919574 2.25985238 -0.522651266 0.604198339 0.869782906 -6.853042028 stable

CRHR2 -0.011684784 2.311978325 -0.52263845 0.604207175 0.869782906 -6.853048795 stable

DUSP21 0.001200356 2.415620931 0.522580791 0.604246928 0.869782906 -6.853079234 stable

KIRREL 0.001625725 2.192810268 0.522531178 0.604281134 0.869782906 -6.853105423 stable

SVOPL 0.001035586 2.309125994 0.522478176 0.604317679 0.869782906 -6.853133398 stable

LOC101927769 0.001276102 2.393473349 0.522467597 0.604324974 0.869782906 -6.853138982 stable

KCNMB1 -0.062510165 4.764883637 -0.522456124 0.604332884 0.869782906 -6.853145037 stable

RP3-406A7.7 0.002468991 2.513671079 0.522385718 0.604381431 0.869782906 -6.853182192 stable

ZP2 -0.003746008 2.460336312 -0.522381021 0.60438467 0.869782906 -6.853184671 stable

RN7SKP150 0.001221731 2.467585314 0.52230503 0.604437069 0.86979252 -6.853224768 stable

FAM47C -0.002171115 2.345385639 -0.522264078 0.604465309 0.86979252 -6.853246374 stable

C3orf36 0.002689396 2.55668926 0.522154795 0.604540671 0.869829978 -6.853304023 stable

SLC35F6 -0.015703756 2.695625222 -0.522075361 0.604595451 0.869829978 -6.853345919 stable

LOC100130654 -0.001669619 2.569991839 -0.522065455 0.604602283 0.869829978 -6.853351143 stable

CKAP4 -0.095580424 8.713727379 -0.521974702 0.604664873 0.869864628 -6.853398999 stable

CECR5-AS1 0.000760577 2.097941293 0.521705965 0.60485023 0.869864628 -6.853540665 stable

WDR3 0.029219752 3.417985958 0.521690068 0.604861197 0.869864628 -6.853549043 stable

MKNK2 0.019175677 13.5354551 0.521681669 0.60486699 0.869864628 -6.853553469 stable

FAM214B 0.064517355 8.79548294 0.521650273 0.604888647 0.869864628 -6.853570015 stable

AP001063.1 -0.010520109 2.507706238 -0.521639119 0.604896341 0.869864628 -6.853575892 stable

SNAI1 0.030742692 3.254944828 0.521620989 0.604908847 0.869864628 -6.853585446 stable

GRHL3 -0.000752365 2.158720733 -0.521467783 0.605014536 0.869864628 -6.853666163 stable

IQGAP3 0.020862017 3.343441828 0.521466108 0.605015692 0.869864628 -6.853667046 stable

LRTM1 0.000885315 2.173175473 0.521456091 0.605022602 0.869864628 -6.853672323 stable

C1S 0.00179718 2.552425134 0.521375416 0.605078259 0.869864628 -6.853714816 stable

MMEL1 -0.048577173 4.757563039 -0.521333637 0.605107083 0.869864628 -6.85373682 stable

ATG2A 0.03237109 9.318472845 0.521333554 0.60510714 0.869864628 -6.853736864 stable

SET /// SETP4 /// SETSIP 0.055604188 11.44901889 0.521135808 0.605243577 0.869980547 -6.853840987 stable

SETD1B 0.029146583 12.00260554 0.521068565 0.605289975 0.869980547 -6.853876385 stable

LOC401098 0.002999364 2.796884743 0.521055864 0.605298739 0.869980547 -6.853883071 stable

TMEM182 0.018907553 3.13157086 0.520998324 0.605338444 0.869984451 -6.853913356 stable

UNC80 0.004238432 2.889607928 0.520864972 0.605430466 0.87002191 -6.853983532 stable

TREH 0.001020375 2.464651802 0.520791442 0.605481209 0.87002191 -6.854022219 stable

ETS2 0.088254574 8.777513601 0.52076544 0.605499154 0.87002191 -6.854035899 stable

PARP16 -0.038773325 7.74530102 -0.520540337 0.605654514 0.87002191 -6.854154297 stable

IFT43 0.003748858 2.689201711 0.520539945 0.605654785 0.87002191 -6.854154503 stable

OR2F2 0.001605213 2.707754281 0.520515395 0.605671729 0.87002191 -6.854167412 stable

C4orf48 -0.038242369 8.631219705 -0.520391876 0.605756988 0.87002191 -6.854232355 stable

SBSPON -0.005996873 3.390493099 -0.520390645 0.605757837 0.87002191 -6.854233002 stable

CCHCR1 0.02211228 6.919941013 0.520330526 0.605799336 0.87002191 -6.854264605 stable

IFI44L -0.13640075 10.07218193 -0.520327606 0.605801352 0.87002191 -6.85426614 stable

COL9A1 0.001136754 2.338924995 0.520291688 0.605826146 0.87002191 -6.85428502 stable

LOC102724888 /// LOC102725420 -0.002449517 2.265537524 -0.520290897 0.605826692 0.87002191 -6.854285436 stable

TMEM179 -0.002074117 2.258404417 -0.520263846 0.605845366 0.87002191 -6.854299654 stable

RP5-856G1.1 0.000687708 1.904324166 0.520163639 0.605914542 0.870025617 -6.854352316 stable

THOC2 -0.024315578 8.649573283 -0.520152942 0.605921927 0.870025617 -6.854357937 stable

AK093301 /// RP11-862G15.1 -0.010525503 3.78932468 -0.520093574 0.605962912 0.870031355 -6.854389131 stable

PAQR4 0.051203701 6.707960651 0.519983869 0.606038652 0.870056118 -6.854446766 stable

RP11-680G24.5 0.108632379 3.116169365 0.519914538 0.60608652 0.870056118 -6.854483183 stable

XPOT -0.024597099 11.31469381 -0.519882653 0.606108536 0.870056118 -6.85449993 stable

TCTEX1D2 0.048026969 7.216648241 0.519775942 0.606182217 0.870056118 -6.854555969 stable

TRIM39 /// TRIM39-RPP21 -0.022926939 8.82170787 -0.519681597 0.606247363 0.870056118 -6.854605505 stable

ARHGDIA 0.037364848 10.03096341 0.519651372 0.606268235 0.870056118 -6.854621373 stable

ASIC4 0.014702382 3.306055224 0.519574608 0.606321244 0.870056118 -6.854661669 stable

LOC100131691 0.001516948 2.417636463 0.519504404 0.606369725 0.870056118 -6.854698516 stable

STX19 0.003535327 3.494353625 0.519483016 0.606384496 0.870056118 -6.854709741 stable

ZNF876P 0.00459356 3.185756116 0.51947242 0.606391814 0.870056118 -6.854715302 stable

LOC101929526 0.000910917 2.400724718 0.519411133 0.606434139 0.870056118 -6.854747463 stable

DTD1 0.05049551 2.646166946 0.519371371 0.6064616 0.870056118 -6.854768327 stable

UBA5 -0.023666941 8.73465768 -0.51931957 0.606497376 0.870056118 -6.854795505 stable

ACOX3 0.090061014 6.454505452 0.519291478 0.606516779 0.870056118 -6.854810243 stable

LOC101927416 0.001558594 2.706969688 0.51926507 0.606535018 0.870056118 -6.854824096 stable

CPB1 0.001063651 2.327975072 0.519185885 0.606589711 0.870081509 -6.854865633 stable

NUDT3 -0.004019885 2.996749427 -0.518984386 0.606728895 0.870228084 -6.8549713 stable

KIF13A -0.059352934 2.712309183 -0.518822964 0.606840407 0.870317379 -6.855055922 stable

SPAG17 0.001209319 2.364273103 0.51878714 0.606865156 0.870317379 -6.855074699 stable

TRPV4 -0.021913259 3.193821861 -0.518292845 0.607206687 0.870754084 -6.855333643 stable

LOC102724250 /// NBPF1 /// NBPF10 /// NBPF11 /// NBPF14 /// NBPF15 /// NBPF19 /// NBPF26 -0.050773679 11.13279948 -0.518022347 0.607393624 0.870919703 -6.855475245 stable

NME3 0.029904643 8.712669436 0.51797635 0.607425414 0.870919703 -6.855499316 stable

TLX1 -0.001912226 2.673113637 -0.517964997 0.607433261 0.870919703 -6.855505257 stable

VRK3 -0.001221135 2.260660922 -0.517884244 0.607489075 0.870946637 -6.855547511 stable

TRPM1 0.002845695 2.673688063 0.51746094 0.607781688 0.8712868 -6.8557689 stable

GATSL3 0.058132548 5.671875179 0.517433837 0.607800426 0.8712868 -6.855783069 stable

LOC101929087 /// SUMO2 /// SUMO3 0.015579364 11.66699988 0.517364171 0.60784859 0.871302742 -6.855819485 stable

CHIAP2 0.00425846 2.325588721 0.517292655 0.607898035 0.871309601 -6.855856863 stable

LINC01304 -0.001885246 2.504488349 -0.5171089 0.60802509 0.871309601 -6.855952881 stable

DENND1B -0.010220172 2.661291723 -0.517096284 0.608033813 0.871309601 -6.855959472 stable

TIPIN 0.064383539 6.414735028 0.517062051 0.608057485 0.871309601 -6.855977356 stable

PLCG1-AS1 0.036221785 4.103939818 0.517008923 0.608094222 0.871309601 -6.856005108 stable

E2F3 0.033804444 8.245011474 0.516938298 0.608143061 0.871309601 -6.856041996 stable

FOXA1 0.001415816 2.575868226 0.516906305 0.608165185 0.871309601 -6.856058704 stable

PDIA2 0.000864254 2.313835911 0.516893332 0.608174156 0.871309601 -6.856065479 stable

CCDC148 -0.006810384 3.482134477 -0.516831425 0.608216968 0.871309601 -6.856097807 stable

ASGR2 -0.140428447 9.618465741 -0.516748554 0.60827428 0.871309601 -6.856141075 stable

AKR1C6P 0.003477795 2.866637879 0.516740151 0.608280092 0.871309601 -6.856145463 stable

PON3 0.000787815 2.160922557 0.51667039 0.608328339 0.871309601 -6.85618188 stable

FCN2 -0.004746854 3.507718028 -0.516660837 0.608334946 0.871309601 -6.856186867 stable

IL36B -0.002048729 2.895535243 -0.516549299 0.608412092 0.871367034 -6.856245083 stable

MIR6513 /// TMBIM1 -0.023783018 11.18238686 -0.516422628 0.608499709 0.871439459 -6.856311182 stable

LPO -0.005313683 2.524908288 -0.516322507 0.608568966 0.87148558 -6.856363416 stable

C1orf50 /// LOC100129924 0.039551164 7.910241076 0.516201894 0.608652403 0.871552002 -6.856426327 stable

SPOPL 0.03467855 10.9673883 0.515967118 0.608814831 0.871687568 -6.856548744 stable

DQ592442 -0.158241929 5.820896268 -0.515774264 0.60894827 0.871687568 -6.856649261 stable

BIRC3 0.048453081 10.90538163 0.515743742 0.60896939 0.871687568 -6.856665165 stable

MIR622 0.001128797 2.887459049 0.515648104 0.60903557 0.871687568 -6.856714996 stable

XYLB -0.017856916 3.303921059 -0.515466622 0.60916116 0.871687568 -6.856809529 stable

ATP1A2 0.002108678 2.761114378 0.515432446 0.609184812 0.871687568 -6.856827327 stable

PMS2L2 -0.033099451 7.255393491 -0.515414269 0.609197393 0.871687568 -6.856836793 stable

IL17B 0.000900503 2.268778274 0.515389618 0.609214453 0.871687568 -6.85684963 stable

RP11-298D21.2 0.002728225 2.776946962 0.515371339 0.609227104 0.871687568 -6.856859148 stable

NETO1 -0.032461006 3.418693389 -0.515291415 0.609282421 0.871687568 -6.856900762 stable

ZCCHC12 0.001441695 2.431258481 0.51527972 0.609290515 0.871687568 -6.856906851 stable

LOC102723600 /// MIR1302-10 /// MIR1302-11 /// MIR1302-2 /// MIR1302-9 0.002099373 2.314889279 0.515267529 0.609298953 0.871687568 -6.856913198 stable

LIMD2 -0.04252082 10.78433909 -0.515250123 0.609311 0.871687568 -6.856922259 stable

ALDH5A1 0.069247219 9.018182195 0.515164183 0.609370484 0.871687568 -6.856966995 stable

ARL5A /// LOC101929356 -0.019667532 11.565238 -0.515102453 0.609413213 0.871687568 -6.856999123 stable

ZNF165 -0.009264836 2.884182861 -0.515047331 0.609451369 0.871687568 -6.85702781 stable

TAF1A-AS1 -0.016996025 2.237388193 -0.514887458 0.60956204 0.871687568 -6.857110992 stable

LOC101927914 -0.000877042 2.211715211 -0.514885456 0.609563426 0.871687568 -6.857112034 stable

CD52 -0.02796026 14.90490734 -0.514820913 0.609608108 0.871687568 -6.857145609 stable

PCM1 0.034602078 10.8765435 0.514804708 0.609619327 0.871687568 -6.857154037 stable

GDI2 -0.021754291 12.31603387 -0.514793512 0.609627078 0.871687568 -6.857159861 stable

NR2C2AP -0.032824486 7.230890714 -0.514787011 0.609631579 0.871687568 -6.857163243 stable

IFNA5 0.000994133 2.249402871 0.514752437 0.609655515 0.871687568 -6.857181225 stable

SCAF11 0.106249013 7.238690174 0.51471852 0.609678997 0.871687568 -6.857198864 stable

GOLGA3 0.00261893 2.212206048 0.514683326 0.609703363 0.871687568 -6.857217167 stable

PIKFYVE 0.045577534 5.505543607 0.514662578 0.609717728 0.871687568 -6.857227956 stable

CTAGE4 /// CTAGE8 /// CTAGE9 -0.041872342 7.608422317 -0.51459246 0.609766275 0.871687568 -6.857264415 stable

POM121L12 0.007532649 2.183660356 0.514565769 0.609784756 0.871687568 -6.857278292 stable

LOC100101148 /// LOC541473 0.000744123 1.860726881 0.514501675 0.609829135 0.87169803 -6.857311613 stable

MLKL -0.054099198 10.70190673 -0.514288486 0.609976758 0.871826475 -6.857422415 stable

FLJ44087 0.001325142 2.814399917 0.514213203 0.610028892 0.871826475 -6.857461531 stable

GOT1L1 0.01119801 2.957392902 0.514211327 0.610030191 0.871826475 -6.857462506 stable

SPNS2 -0.035051181 3.210841716 -0.513946744 0.610213433 0.871976977 -6.857599936 stable

CDC6 -0.029890435 2.421784926 -0.513941284 0.610217215 0.871976977 -6.857602771 stable

LOC100996590 0.002128852 3.001696752 0.513866997 0.610268668 0.871976977 -6.857641344 stable

SLC25A36 0.026546169 9.960734732 0.513805895 0.610310991 0.871976977 -6.857673067 stable

SERINC3 0.030818169 11.43826735 0.513791645 0.610320861 0.871976977 -6.857680465 stable

CLIC1P1 /// CLIC1P1 -0.007916406 3.867048053 -0.513637214 0.610427836 0.871981818 -6.857760624 stable

PTH1R 0.005275666 2.640377155 0.513575699 0.610470449 0.871981818 -6.857792546 stable

SUPT4H1 -0.031384877 11.09995826 -0.513567001 0.610476475 0.871981818 -6.85779706 stable

FAM72A /// FAM72B /// FAM72C /// FAM72D 0.093090312 7.004299066 0.513517914 0.610510481 0.871981818 -6.857822531 stable

AC003989.4 -0.001679072 2.547190987 -0.513512411 0.610514293 0.871981818 -6.857825386 stable

TMPRSS6 -0.037405083 5.670838332 -0.513450391 0.610557259 0.871981818 -6.857857563 stable

FBXL6 0.053393938 7.06318442 0.513353428 0.610624437 0.871981818 -6.857907862 stable

SMIM7 0.039404214 4.683679164 0.513239624 0.610703286 0.871981818 -6.857966886 stable

RPS6KA4 -0.062452875 8.283377371 -0.513161473 0.610757436 0.871981818 -6.858007411 stable

PPP1R7 -0.037665552 7.434000782 -0.513111061 0.610792367 0.871981818 -6.858033549 stable

LRRC31 0.002032668 2.641350244 0.513104491 0.610796919 0.871981818 -6.858036955 stable

PCDH11X /// PCDH11Y 0.001041323 2.295660078 0.513088615 0.61080792 0.871981818 -6.858045186 stable

SMARCAL1 -0.022650067 8.940690584 -0.513078957 0.610814612 0.871981818 -6.858050192 stable

SERPINF1 -0.130207507 8.953775688 -0.512965706 0.61089309 0.871981818 -6.858108898 stable

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PRKD1 0.001336687 2.555760117 0.51290549 0.610934819 0.871981818 -6.858140107 stable

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C11orf94 0.007935963 2.928343646 0.512823622 0.610991554 0.871981818 -6.858182532 stable

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AGFG1 0.054691326 8.22791755 0.512568705 0.611168229 0.872086245 -6.85831459 stable

TCRBV12S3 0.039383055 4.866417212 0.512557556 0.611175956 0.872086245 -6.858320364 stable

CSPG5 0.007292745 2.663900478 0.512473982 0.611233885 0.872115996 -6.858363644 stable

LEF1 -0.082384907 9.759638357 -0.51236821 0.611307202 0.872138912 -6.858418409 stable

IQCF4 0.004443044 3.161467199 0.512318345 0.611341768 0.872138912 -6.858444224 stable

SOST -0.000768904 2.124817272 -0.512234091 0.611400175 0.872138912 -6.858487836 stable

SLC45A1 0.001875702 2.381602474 0.512148617 0.61145943 0.872138912 -6.858532072 stable

DSERG1 -0.094465213 9.500880972 -0.512147838 0.61145997 0.872138912 -6.858532475 stable

NHSL1 0.038561627 2.748949408 0.512129879 0.61147242 0.872138912 -6.858541768 stable

DCAF15 0.025162534 8.628386197 0.51197538 0.611579535 0.872208222 -6.858621707 stable

LINC01281 -0.003772437 2.913503343 -0.511917892 0.611619394 0.872208222 -6.858651445 stable

SCARF1 -0.056387989 6.114493743 -0.511793059 0.61170595 0.872208222 -6.858716009 stable

TM9SF1 0.052570701 8.407705702 0.511722664 0.611754762 0.872208222 -6.858752411 stable

CASC10 -0.000749942 2.004639608 -0.511719244 0.611757134 0.872208222 -6.858754179 stable

SERPINB1 -0.045869116 12.08761087 -0.5116444 0.611809033 0.872208222 -6.858792876 stable

RP11-932O9.4 0.001684479 2.498202231 0.511638472 0.611813144 0.872208222 -6.85879594 stable

AX747630 0.002082654 2.729573633 0.511631943 0.611817672 0.872208222 -6.858799316 stable

MRPL16 -0.027947024 9.660335393 -0.511401427 0.611977533 0.872381375 -6.858918462 stable

SPTY2D1-AS1 0.001365125 2.52445655 0.511349842 0.61201331 0.872381375 -6.858945117 stable

LOC100996634 -0.00160706 2.723942684 -0.511118839 0.612173533 0.872556882 -6.85906445 stable

LINC01121 -0.011910909 2.742791021 -0.511020439 0.612241789 0.872601292 -6.859115266 stable

CYP1A2 -0.046694167 5.550022984 -0.510882667 0.612337361 0.872631731 -6.859186398 stable

OR1D5 0.001250152 2.423561145 0.510817895 0.612382296 0.872631731 -6.859219834 stable

PDCD2 0.034393882 8.422068774 0.510801408 0.612393734 0.872631731 -6.859228344 stable

RP11-209D14.2 -0.001914613 2.57783635 -0.510775733 0.612411547 0.872631731 -6.859241596 stable

RP11-680F8.4 0.002063132 2.866071302 0.510593823 0.612537755 0.872666824 -6.859335468 stable

OSBP -0.069543062 6.87880082 -0.510567892 0.612555746 0.872666824 -6.859348847 stable

TOP3B -0.034340718 7.157251896 -0.510497314 0.612604717 0.872666824 -6.859385257 stable

C7orf49 -0.03209318 9.469889989 -0.510443851 0.612641814 0.872666824 -6.859412834 stable

KANK4 0.001307388 2.486572159 0.510429626 0.612651685 0.872666824 -6.859420172 stable

PAEP 0.000817768 2.170170446 0.51038986 0.612679278 0.872666824 -6.859440681 stable

GPR50 0.006515008 2.693420087 0.510365926 0.612695886 0.872666824 -6.859453025 stable

ASB4 0.00241158 2.951879549 0.510197866 0.612812509 0.872780081 -6.859539682 stable

COX7A2L -0.026470283 11.36472107 -0.510111566 0.612872401 0.87281253 -6.859584171 stable

C3orf22 0.000855602 2.175198492 0.510007746 0.612944454 0.872813945 -6.859637682 stable

MBTD1 -0.063797311 6.526135194 -0.509979357 0.612964158 0.872813945 -6.859652312 stable

LOC101928668 -0.000884578 2.042898397 -0.509949733 0.612984718 0.872813945 -6.859667578 stable

G6PC 0.001597113 2.604385151 0.509881092 0.61303236 0.872828943 -6.859702946 stable

STX11 0.080749128 10.05389917 0.509821895 0.613073449 0.87283461 -6.859733445 stable

ZZEF1 0.02241682 8.05827578 0.509745382 0.613126557 0.872857388 -6.85977286 stable

EDIL3 -0.006758874 2.427154321 -0.509563396 0.613252887 0.87293396 -6.859866584 stable

ARSK -0.017378287 2.769642331 -0.509504546 0.613293741 0.87293396 -6.859896886 stable

ITGA8 -0.000989316 2.373573836 -0.50940231 0.613364717 0.87293396 -6.859949518 stable

BCL7C 0.033026136 9.330381341 0.509376903 0.613382357 0.87293396 -6.859962596 stable

OR7A5 0.016950648 2.809951255 0.509342011 0.613406581 0.87293396 -6.859980556 stable

LRIG1 0.05677653 9.16825602 0.509310612 0.613428381 0.87293396 -6.859996716 stable

SHROOM1 -0.005707759 2.351660869 -0.509293682 0.613440136 0.87293396 -6.860005429 stable

LOC100130417 0.001013022 2.032880057 0.509188599 0.613513096 0.872984969 -6.860059505 stable

GSG1 0.000853259 2.208871311 0.509074479 0.613592336 0.873044906 -6.860118219 stable

DYSF -0.11648553 9.436795071 -0.50885824 0.613742496 0.873166213 -6.860229435 stable

CXXC1 -0.019362772 9.293343538 -0.508844786 0.613751839 0.873166213 -6.860236353 stable

AP000230.1 -0.020682968 2.653793001 -0.508713212 0.613843215 0.873243393 -6.860304001 stable

OR51I2 0.000920372 2.209966284 0.508506433 0.613986832 0.873371524 -6.860410279 stable

MARCO -0.23055898 7.360037929 -0.508399239 0.61406129 0.873371524 -6.860465357 stable

LOC101928943 0.001626773 2.612073766 0.508377343 0.614076499 0.873371524 -6.860476606 stable

RANBP1 -0.0266744 4.714940784 -0.508369696 0.61408181 0.873371524 -6.860480534 stable

DNAJA2 0.026504075 10.48690872 0.5082756 0.614147174 0.873411675 -6.860528869 stable

IFT81 0.024127278 4.413722251 0.508184446 0.614210497 0.873448918 -6.860575685 stable

LOC100506406 -0.004865882 3.571338075 -0.508042652 0.614309005 0.873499765 -6.860648493 stable

LINC01134 0.022620616 5.424778895 0.508026068 0.614320527 0.873499765 -6.860657007 stable

STX12 0.041731895 9.861018271 0.507911994 0.614399782 0.873549186 -6.860715565 stable

MYSM1 -0.027897904 3.866467396 -0.507860542 0.614435531 0.873549186 -6.860741972 stable

LRSAM1 -0.046751784 6.692496518 -0.507815682 0.614466701 0.873549186 -6.860764994 stable

RBL2 0.041514665 12.93136014 0.507729566 0.614526538 0.873581452 -6.860809184 stable

CLU 0.007669572 3.471465122 0.507584651 0.614627238 0.8736718 -6.860883528 stable

IFRD1 -0.052807768 9.785892088 -0.507481988 0.614698582 0.87372041 -6.860936183 stable

C1orf204 -0.062036234 2.673704979 -0.507415581 0.614744732 0.873733207 -6.860970237 stable

SLCO3A1 -0.052823779 6.798141712 -0.507277308 0.614840832 0.873783956 -6.861041131 stable

CLPX -0.028692383 9.618607785 -0.507257302 0.614854737 0.873783956 -6.861051387 stable

KCTD12 0.071710959 12.21362202 0.507057949 0.6149933 0.873928069 -6.861153559 stable

NRDE2 0.017076319 3.804174207 0.506876885 0.615119164 0.874019871 -6.861246324 stable

SLC35B4 0.028095845 8.443014922 0.506858104 0.61513222 0.874019871 -6.861255944 stable

RP11-649A18.7 0.04013976 5.813925482 0.506601019 0.615310951 0.87417896 -6.861387597 stable

LOC100128079 -0.000767295 2.070374124 -0.506590135 0.615318518 0.87417896 -6.861393168 stable

BSN 0.00067985 1.86209782 0.506478912 0.61539585 0.87423602 -6.861450104 stable

KIF16B -0.059519945 7.587423368 -0.506066207 0.615682839 0.874554455 -6.86166126 stable

NECAB3 -0.040537631 6.979166948 -0.50604963 0.615694368 0.874554455 -6.861669738 stable

EFCAB7 -0.041248622 7.059663829 -0.5058272 0.615849069 0.874690277 -6.861783467 stable

PHLPP2 0.035371361 8.112448075 0.505767245 0.61589077 0.874690277 -6.861814114 stable

LST1 0.082368876 11.65667633 0.505685075 0.615947926 0.874690277 -6.86185611 stable

PCED1B -0.061448911 10.96614056 -0.505674707 0.615955138 0.874690277 -6.861861409 stable

PCBP4 -0.031304024 7.519866511 -0.505626639 0.615988574 0.874690277 -6.861885973 stable

PA2G4P2 /// PA2G4P2 0.007207419 3.789977879 0.505553847 0.616039211 0.874690277 -6.861923166 stable

C16orf87 -0.043542455 7.751032284 -0.505524152 0.616059868 0.874690277 -6.861938338 stable

TOLLIP-AS1 -0.025558394 2.586261314 -0.505366311 0.616169675 0.874690277 -6.862018965 stable

DMWD -0.02966289 6.926495554 -0.505264246 0.616240684 0.874690277 -6.862071088 stable

RPL18 0.011940795 15.27424869 0.505196529 0.616287799 0.874690277 -6.862105664 stable

ELMSAN1 -0.022592523 9.215266561 -0.505144364 0.616324094 0.874690277 -6.862132297 stable

SPTBN1 -0.045430924 8.661061359 -0.505138968 0.616327849 0.874690277 -6.862135051 stable

LINC01260 0.029391726 3.259356503 0.505112271 0.616346425 0.874690277 -6.86214868 stable

CREG2 0.001971552 2.677562256 0.505094905 0.616358508 0.874690277 -6.862157545 stable

NKX6-2 -0.001104699 2.24264846 -0.50507559 0.616371947 0.874690277 -6.862167404 stable

ZDHHC4 -0.038582019 8.640795069 -0.505056846 0.61638499 0.874690277 -6.862176972 stable

LRRC3B 0.004423429 2.646997062 0.504796793 0.616565952 0.874894291 -6.862309676 stable

C19orf43 -0.01382189 12.824397 -0.504626036 0.616684789 0.87501013 -6.862396776 stable

AKR1C1 -0.001401666 2.491547907 -0.504481417 0.616785444 0.875021142 -6.862470521 stable

WNT1 0.000742038 1.9521898 0.504438608 0.616815241 0.875021142 -6.862492346 stable

LINC00310 -0.005220691 2.72418589 -0.504380286 0.616855836 0.875021142 -6.862522078 stable

SCYL3 0.030303699 8.983604223 0.504351023 0.616876205 0.875021142 -6.862536994 stable

LOC100291323 0.053938222 4.426939563 0.504347641 0.616878559 0.875021142 -6.862538718 stable

MAN1C1 -0.091831446 6.942441723 -0.504244774 0.616950164 0.875023465 -6.862591146 stable

HLX -0.108024973 8.151823738 -0.504220782 0.616966865 0.875023465 -6.862603372 stable

PDPN 0.001966867 2.572461125 0.50418496 0.616991801 0.875023465 -6.862621626 stable

RAB7A 0.037064786 10.42831144 0.5040238 0.617103995 0.875129392 -6.862703734 stable

ATF6B /// TNXB 0.047941706 5.954961943 0.503918531 0.617177284 0.875129392 -6.862757352 stable

TPPP2 0.001209359 2.41811449 0.503890786 0.617196601 0.875129392 -6.862771482 stable

MAP1LC3B2 0.00182362 2.626275315 0.503805404 0.617256048 0.875129392 -6.86281496 stable

CCDC154 0.02914019 3.319682756 0.503792493 0.617265038 0.875129392 -6.862821534 stable

LOC150005 -0.004234016 2.719885588 -0.503684885 0.617339965 0.875129392 -6.862876318 stable

TGM6 0.008309102 2.519717813 0.50366935 0.617350782 0.875129392 -6.862884226 stable

TDRD12 -0.067973401 2.494086378 -0.5034838 0.617479989 0.875129392 -6.862978662 stable

NLGN3 -0.005360836 4.567719483 -0.503452647 0.617501684 0.875129392 -6.862994514 stable

BID 0.063868489 9.886204625 0.503420882 0.617523805 0.875129392 -6.863010676 stable

PHF7 -0.027895503 2.381814911 -0.503404166 0.617535447 0.875129392 -6.863019181 stable

VGLL3 0.004561597 3.404261086 0.503351728 0.617571966 0.875129392 -6.863045859 stable

IK -0.023263584 11.86367811 -0.503349828 0.617573289 0.875129392 -6.863046826 stable

C3orf80 0.009372355 3.390290532 0.503329593 0.617587381 0.875129392 -6.863057119 stable

SEMA6C -0.007177174 5.482978405 -0.503133348 0.61772406 0.87518467 -6.863156931 stable

RP11-360K13.1 0.000898676 2.2850376 0.503052694 0.617780238 0.87518467 -6.863197941 stable

ANKRD10-IT1 -0.042507662 8.8654482 -0.502976056 0.61783362 0.87518467 -6.863236903 stable

FLVCR1-AS1 -0.160436782 6.284373292 -0.50296455 0.617841635 0.87518467 -6.863242752 stable

NPHS2 -0.002152497 2.307601594 -0.502950693 0.617851287 0.87518467 -6.863249796 stable

MORN5 -0.012942783 2.435755101 -0.502815815 0.617945243 0.87518467 -6.863318349 stable

RP11-53A1.2 0.001234958 2.026631033 0.502790908 0.617962593 0.87518467 -6.863331006 stable

C8orf48 0.002019196 2.693876788 0.502731788 0.618003779 0.87518467 -6.863361047 stable

LOC101928955 0.006744691 2.836662581 0.502719177 0.618012564 0.87518467 -6.863367454 stable

ACSBG2 0.001076527 2.212028045 0.502699174 0.618026499 0.87518467 -6.863377618 stable

MICAL2 0.04826738 5.81156329 0.502685988 0.618035686 0.87518467 -6.863384317 stable

NSUN4 -0.042288256 5.068732855 -0.502493617 0.618169711 0.875314986 -6.863482035 stable

HAP1 0.005373358 2.363705841 0.502412833 0.618225998 0.875314986 -6.86352306 stable

RANBP3L 0.002048527 2.820085572 0.502362619 0.618260985 0.875314986 -6.863548557 stable

CTBS -0.04952741 8.26515024 -0.502340254 0.618276569 0.875314986 -6.863559912 stable

MAD1L1 -0.060058131 10.54681117 -0.502142292 0.618414514 0.875408058 -6.863660401 stable

UBE2S 0.040692069 9.453164227 0.502139088 0.618416747 0.875408058 -6.863662027 stable

KRTAP1-1 -0.001132932 2.646470576 -0.502077284 0.618459816 0.875416341 -6.863693392 stable

CAPN6 0.000730436 2.179101557 0.501732895 0.618699837 0.875703386 -6.863868094 stable

RNF157 -0.000683841 1.624992621 -0.501612903 0.618783475 0.875756665 -6.863928936 stable

FMO4 -0.048727775 5.735647485 -0.501572059 0.618811946 0.875756665 -6.863949643 stable

HEYL -0.006389492 2.305318488 -0.501481092 0.618875357 0.875793711 -6.863995754 stable

TEX28 0.005382781 2.42677566 0.501317383 0.618989483 0.87584802 -6.864078719 stable

GRIN3A 0.004130649 2.856803316 0.501281127 0.619014759 0.87584802 -6.864097089 stable

RP11-629O1.2 -0.037234621 6.180134998 -0.501250099 0.619036391 0.87584802 -6.864112809 stable

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NPHP1 -0.002565945 3.210084973 -0.501129488 0.619120481 0.87584802 -6.864173907 stable

1-Dec 0.001469045 2.558801695 0.501080104 0.619154913 0.87584802 -6.864198919 stable

C17orf58 0.062896631 7.081004205 0.501052167 0.619174392 0.87584802 -6.864213068 stable

LOC101928205 0.000666622 2.115646551 0.50089178 0.619286227 0.875918213 -6.86429428 stable

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IGH /// IGHA1 /// IGHG1 /// IGHG2 /// IGHG3 /// IGHM /// LOC102725526 0.005172128 3.602808922 0.500576591 0.619506028 0.876095059 -6.864453802 stable

ZBTB48 -0.030692878 8.191335388 -0.500498321 0.619560616 0.876095059 -6.8644934 stable

FRMD5 -0.010957017 2.071983929 -0.500481255 0.619572519 0.876095059 -6.864502033 stable

ZBED5 -0.027023994 11.49436282 -0.500203923 0.619765958 0.876266551 -6.864642287 stable

PCDH9 -0.003607955 2.996105973 -0.500175873 0.619785525 0.876266551 -6.864656468 stable

HCN1 0.003768355 3.065953732 0.50014715 0.619805561 0.876266551 -6.864670989 stable

RP4-560B9.4 0.012083278 4.203655817 0.499998762 0.619909077 0.876315611 -6.864745992 stable

GDF2 0.007588428 4.655358465 0.499990592 0.619914776 0.876315611 -6.864750121 stable

LOC101927667 -0.001247315 2.10479928 -0.499901447 0.619976968 0.876333634 -6.864795169 stable

AY940074 -0.070299759 7.634551053 -0.499865508 0.620002041 0.876333634 -6.864813328 stable

IL10RB 0.042304956 10.74912778 0.499579959 0.620201275 0.876562564 -6.86495756 stable

KLF5 -0.025741046 4.12024845 -0.499525805 0.620239063 0.8765633 -6.864984904 stable

ZFHX3 -0.062723885 7.859531139 -0.499397337 0.62032871 0.876637322 -6.865049761 stable

BVES 0.000875488 2.269278252 0.49906004 0.620564109 0.876914763 -6.865219965 stable

FASTKD5 0.028840591 8.709986137 0.499004969 0.620602547 0.876914763 -6.865247743 stable

LINC00355 -0.012319857 2.696386054 -0.498955779 0.620636881 0.876914763 -6.865272553 stable

PRKAB1 -0.039267032 8.888801867 -0.498803872 0.620742916 0.87699279 -6.865349155 stable

NUPR1 0.002815253 2.618046506 0.498769835 0.620766675 0.87699279 -6.865366315 stable

ZFC3H1 0.027247852 3.773366236 0.498615572 0.620874365 0.877092248 -6.865444076 stable

DTX2 /// LOC102725292 0.030695629 7.284232497 0.498554637 0.620916905 0.877099665 -6.865474785 stable

ASAH2B -0.029220555 2.390711079 -0.498495677 0.620958067 0.877105135 -6.865504496 stable

HSPB11 -0.022030721 8.73131759 -0.498311694 0.621086523 0.877233898 -6.865597184 stable

PCK1 -0.007094755 3.718358674 -0.498122281 0.621218782 0.877328923 -6.865692574 stable

10-Sep 0.102294391 6.661372936 0.498108506 0.621228401 0.877328923 -6.865699509 stable

SLCO2A1 -0.059932862 2.747783388 -0.497863465 0.621399523 0.877428544 -6.865822856 stable

MAK 0.000791076 2.191916782 0.497860016 0.621401932 0.877428544 -6.865824592 stable

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AMMECR1 0.034731069 6.33547026 0.49767999 0.621527665 0.877490768 -6.865915173 stable

LOC100996668 /// ZEB1 -0.080067874 7.388662766 -0.497589062 0.621591175 0.877490768 -6.865960912 stable

DYM -0.075993366 5.852155873 -0.497571441 0.621603482 0.877490768 -6.865969775 stable

ERICH5 0.011035758 3.560706344 0.497570488 0.621604148 0.877490768 -6.865970254 stable

FNIP2 -0.089467906 3.885948301 -0.497407639 0.621717901 0.877558295 -6.866052147 stable

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BC048982 /// RP11-1102P16.1 0.001310622 2.405709168 0.497236963 0.621837131 0.877608974 -6.866137948 stable

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NUDCD2 -0.016506358 3.69166074 -0.497017782 0.62199026 0.877667101 -6.86624809 stable

DDX31 0.001318943 2.300589335 0.496963621 0.622028102 0.877667846 -6.866275299 stable

EPHA4 0.087617191 7.009765672 0.496885137 0.62208294 0.87769257 -6.866314723 stable

PSG4 /// PSG6 0.004233126 2.501766227 0.496729791 0.622191489 0.877793067 -6.866392737 stable

OTOR 0.001658999 2.680368592 0.496664066 0.622237418 0.8778007 -6.866425737 stable

PM20D2 -0.03824046 9.010684782 -0.496583669 0.622293601 0.8778007 -6.866466097 stable

PLS3 0.04822282 3.00682338 0.496561835 0.622308859 0.8778007 -6.866477057 stable

RP5-892K4.1 0.002249254 2.802209906 0.49639906 0.622422618 0.877867518 -6.866558749 stable

ANAPC13 -0.032432742 10.94857511 -0.496387247 0.622430874 0.877867518 -6.866564676 stable

EYA4 0.00118802 2.405039168 0.496225037 0.622544249 0.877974774 -6.866646057 stable

CANX 0.026175663 12.92856163 0.49613358 0.622608175 0.878012284 -6.866691929 stable

CABYR 0.008206516 2.984064654 0.496016831 0.622689784 0.878074725 -6.866750474 stable

C7orf55 -0.032460665 8.360503717 -0.49587995 0.622785473 0.878115905 -6.866819098 stable

RP11-389C8.2 0.146583721 4.62543752 0.495833496 0.622817948 0.878115905 -6.866842383 stable

FAM138A /// FAM138B /// FAM138C /// FAM138D /// FAM138E /// FAM138F -0.002970988 2.341909777 -0.495814846 0.622830987 0.878115905 -6.866851731 stable

THG1L 0.045342519 7.938123549 0.495684386 0.622922195 0.878191857 -6.866917109 stable

LOC100653005 0.000841676 2.162243112 0.495526334 0.623032702 0.878295007 -6.866996293 stable

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ZFAND4 -0.037282145 6.10646465 -0.495264865 0.623215536 0.878447451 -6.867127234 stable

TOMM22 -0.030305032 9.669796793 -0.495048373 0.623366938 0.878597661 -6.867235599 stable

IL17RD 0.003302097 2.411398265 0.494993519 0.623405302 0.878597661 -6.867263048 stable

EDC4 -0.019281075 9.580390741 -0.49488187 0.623483391 0.878597661 -6.867318909 stable

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SDAD1 0.030381915 10.72582613 0.494737538 0.623584346 0.878597661 -6.867391105 stable

NOA1 -0.051847826 10.21165046 -0.494684704 0.623621303 0.878597661 -6.867417527 stable

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CD33 -0.086968301 10.08591721 -0.494317788 0.623877988 0.878614298 -6.867600947 stable

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GRIN2A -0.002133824 2.643377073 -0.493475994 0.624467062 0.878969462 -6.868021248 stable

LOC100507156 0.000732235 2.056188084 0.49344156 0.624491163 0.878969462 -6.868038425 stable

GPHN -0.038328859 6.3549818 -0.493437722 0.62449385 0.878969462 -6.86804034 stable

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PHYHIPL 0.006802716 2.853505572 0.493293423 0.624594855 0.878969462 -6.868112311 stable

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LOC340340 -0.00140231 2.355911315 -0.492753769 0.624972662 0.879148432 -6.868381285 stable

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RET 0.018796796 4.64197477 0.492556893 0.62511052 0.87916913 -6.86847934 stable

RABGGTA -0.040029845 9.088329132 -0.492328254 0.625270635 0.87934174 -6.868593165 stable

PWP2 0.014672425 4.329856025 0.492085407 0.62544072 0.879479809 -6.868714007 stable

SERPINB5 -0.005522764 3.10016293 -0.492069641 0.625451763 0.879479809 -6.868721851 stable

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DLL3 -0.00695559 2.434810294 -0.491883959 0.625581825 0.879516444 -6.868814204 stable

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SCARB2 0.065608352 9.975117553 0.49152518 0.62583317 0.879609422 -6.868992554 stable

DICER1 -0.027603769 10.61687711 -0.491506575 0.625846205 0.879609422 -6.8690018 stable

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LMO7 -0.015475433 3.188965165 -0.48840772 0.628019025 0.880279358 -6.870536845 stable

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TOM1 -0.071574895 6.982360173 -0.487961639 0.628332079 0.880279358 -6.870757025 stable

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BOLA2 0.02309931 5.517753779 0.487943133 0.628345068 0.880279358 -6.870766156 stable

T-Cell Receptor V-alpha region /// TRAV9-2 /// TRAV9-2 0.075166343 7.455195232 0.487872695 0.628394508 0.880279358 -6.870800904 stable

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NLGN2 -0.036240448 4.497680193 -0.486346472 0.629466167 0.880297329 -6.871552592 stable

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SNTG1 0.007122797 3.434996916 0.484613573 0.630683929 0.88049042 -6.872403251 stable

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KIAA1257 -0.006343775 3.15587923 -0.483945082 0.631153977 0.880692186 -6.872730603 stable

ZNF239 0.021894813 2.385009818 0.483888402 0.631193839 0.880692186 -6.872758338 stable

OTUD6B -0.039089613 8.469659125 -0.483864106 0.631210926 0.880692186 -6.872770226 stable

SDC1 0.00133507 2.579501293 0.483827401 0.631236741 0.880692186 -6.872788184 stable

SF3B2 0.00876446 2.531633727 0.483801703 0.631254814 0.880692186 -6.872800756 stable

GATA5 0.002515086 2.673672695 0.483740214 0.631298061 0.880692186 -6.872830836 stable

RP5-1103G7.10 0.000989382 2.350770563 0.483727827 0.631306774 0.880692186 -6.872836895 stable

NDUFA9 0.03100969 9.916990153 0.483704595 0.631323113 0.880692186 -6.872848258 stable

BCR 0.045874532 9.823650718 0.48354287 0.631436867 0.880766063 -6.872927347 stable

PXN-AS1 -0.015965641 2.101089647 -0.483472444 0.631486406 0.880766063 -6.87296178 stable

DEF6 0.02813353 10.58607199 0.483427003 0.631518371 0.880766063 -6.872983994 stable

C11orf88 0.001787445 2.624097278 0.483388833 0.631545222 0.880766063 -6.873002652 stable

DKFZP761C1711 0.002923091 2.969349941 0.483363132 0.631563301 0.880766063 -6.873015214 stable

HTR3C -0.000847228 2.011733948 -0.482998984 0.63181949 0.881071099 -6.873193134 stable

LOC101927287 0.001104709 2.201442086 0.482821667 0.631944255 0.881128857 -6.873279722 stable

SLC25A42 0.000687783 2.116488775 0.482817166 0.631947422 0.881128857 -6.873281919 stable

EIF2B4 -0.024795295 9.070163178 -0.4827804 0.631973293 0.881128857 -6.873299869 stable

CLCN5 0.058089148 3.806330948 0.482670891 0.632050352 0.881141348 -6.873353324 stable

DPEP3 -0.034584535 3.676755943 -0.482622734 0.632084241 0.881141348 -6.873376827 stable

OS9 -0.029563122 11.57770464 -0.482526916 0.632151672 0.881141348 -6.873423585 stable

LINC00112 0.000792762 2.120646087 0.482397922 0.632242455 0.881141348 -6.873486518 stable

ATCAY -0.004064427 2.937439764 -0.482339155 0.632283816 0.881141348 -6.873515183 stable

BHLHB9 0.053261902 3.556580215 0.482315289 0.632300614 0.881141348 -6.873526824 stable

LINC00334 0.00158941 2.595832673 0.482290805 0.632317847 0.881141348 -6.873538765 stable

PLEKHA4 -0.001020652 2.312011271 -0.482264033 0.63233669 0.881141348 -6.873551821 stable

ZNF148 0.027997681 10.64360813 0.48216557 0.632405995 0.881141348 -6.873599835 stable

CALY 0.000766961 2.188683129 0.482146251 0.632419593 0.881141348 -6.873609254 stable

NDNF 0.002007139 2.262142782 0.482132914 0.632428981 0.881141348 -6.873615756 stable

COQ7 -0.016803548 6.140795703 -0.482110334 0.632444875 0.881141348 -6.873626765 stable

FGF11 -0.006242177 2.933941982 -0.482075696 0.632469256 0.881141348 -6.873643651 stable

ODF2L 0.058303825 7.95062195 0.481981537 0.632535538 0.881181496 -6.873689548 stable

HSD17B7P2 -0.083890331 4.320766776 -0.481749684 0.632698759 0.881263049 -6.873802524 stable

VIPAS39 0.034475069 8.812572168 0.481734873 0.632709187 0.881263049 -6.87380974 stable

MYLK2 0.005815686 3.107738785 0.481688419 0.632741892 0.881263049 -6.873832369 stable

DPP8 -0.018264506 11.30833936 -0.481590547 0.6328108 0.881263049 -6.873880037 stable

LOC388942 -0.001015026 2.224890846 -0.481580971 0.632817542 0.881263049 -6.873884701 stable

FBXW8 0.023025612 6.592430345 0.481579069 0.632818881 0.881263049 -6.873885627 stable

LINC00421 -0.001222078 2.437889681 -0.48143712 0.632918829 0.881350055 -6.873954745 stable

RP11-385F5.4 -0.026838066 2.767497293 -0.481337744 0.632988805 0.881395316 -6.874003121 stable

SHISA4 -0.041433275 3.848661086 -0.481255544 0.633046689 0.881421499 -6.874043129 stable

LOC101929694 -0.0019075 2.796556326 -0.481200536 0.633085425 0.881421499 -6.874069898 stable

AMOTL2 0.001227457 2.518898915 0.481118982 0.633142858 0.881421499 -6.87410958 stable

ST6GAL2 0.001601213 2.685355585 0.481098186 0.633157504 0.881421499 -6.874119697 stable

LOC284939 /// MAPK8IP2 0.018146278 2.722857097 0.480882896 0.633309129 0.881580401 -6.874224415 stable

CIB2 -0.022414491 2.597068259 -0.48065826 0.633467355 0.881637035 -6.87433363 stable

MIR146A 0.00124704 2.659120793 0.480636924 0.633482384 0.881637035 -6.874344 stable

CHM 0.008478066 3.618515948 0.480615979 0.633497138 0.881637035 -6.87435418 stable

CLPB 0.059523678 6.566102959 0.480612276 0.633499746 0.881637035 -6.87435598 stable

CALML3 -0.006081395 3.376401585 -0.480483283 0.633590615 0.881679383 -6.874418665 stable

LOC653581 0.009631955 3.13449135 0.480462657 0.633605145 0.881679383 -6.874428687 stable

TFG 0.020998311 10.68336975 0.480409153 0.633642838 0.881679672 -6.874454682 stable

DPH2 -0.01924143 8.101412819 -0.480291318 0.633725853 0.881743022 -6.874511922 stable

ERP29 -0.015257654 12.84381403 -0.480170858 0.633810723 0.881808945 -6.874570423 stable

SHCBP1L 0.004598367 3.363053607 0.479999954 0.633931143 0.881915375 -6.874653397 stable

TUBA3FP 0.011080569 4.051604378 0.479946732 0.633968644 0.881915375 -6.87467923 stable

LINC01127 0.130040789 5.72730366 0.479854421 0.634033693 0.881915375 -6.87472403 stable

HCAR3 0.249489473 6.527109924 0.479849443 0.634037201 0.881915375 -6.874726445 stable

CXXC5 0.058127408 10.98915203 0.479536191 0.634257961 0.882144567 -6.874878406 stable

MMP12 0.001328421 2.184327054 0.479509201 0.634276983 0.882144567 -6.874891494 stable

BEST4 -0.002416088 2.883138497 -0.479443482 0.634323302 0.882156826 -6.874923361 stable

MMP27 0.000987226 2.204586025 0.479199413 0.634495338 0.882284996 -6.87504167 stable

SNX15 0.028080645 8.249231184 0.479195285 0.634498248 0.882284996 -6.87504367 stable

ANP32D 0.004700525 2.971931785 0.479153083 0.634527996 0.882284996 -6.87506412 stable

ARL2BP -0.029926369 10.01867418 -0.478821971 0.634761423 0.882557394 -6.875224512 stable

MT1X 0.038127486 10.10767572 0.478583285 0.634929715 0.8826444 -6.875340064 stable

DPM3 0.033881827 9.026899437 0.478576168 0.634934734 0.8826444 -6.875343508 stable

RP11-349E4.1 0.043790346 5.483017564 0.478539499 0.63496059 0.8826444 -6.875361255 stable

AHCYL2 0.018613505 6.571323835 0.478485955 0.634998346 0.8826444 -6.875387166 stable

TRIM72 0.009673333 3.871298346 0.478467118 0.635011629 0.8826444 -6.875396282 stable

TUNAR 0.001432603 2.236624425 0.478406182 0.635054599 0.882651966 -6.875425765 stable

IRF4 -0.057537393 9.436342271 -0.478093435 0.635275158 0.882906022 -6.87557703 stable

MRPS18B -0.0308636 9.368368942 -0.478040544 0.635312462 0.882906022 -6.875602602 stable

GAD2 0.001025923 1.916160554 0.477884714 0.635422374 0.882985571 -6.875677927 stable

FTSJ2 0.039642999 9.835733667 0.47783747 0.635455699 0.882985571 -6.875700759 stable

EVL 0.04738608 13.24257882 0.477753705 0.635514785 0.882985571 -6.875741235 stable

JDP2 -0.107676876 9.505212808 -0.477746505 0.635519864 0.882985571 -6.875744714 stable

LOC285902 /// ZNF273 /// ZNF479 0.006679407 3.484777196 0.477616521 0.635611559 0.883025156 -6.875807508 stable

LOC101929464 -0.000761261 2.150967774 -0.47759968 0.635623439 0.883025156 -6.875815643 stable

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LOC101928583 0.011878628 3.908062218 0.477355384 0.63579579 0.883088783 -6.875933612 stable

PXDN -0.040834175 3.645827627 -0.47732167 0.635819576 0.883088783 -6.875949887 stable

LOC100130232 -0.001368782 2.416534562 -0.477289467 0.635842297 0.883088783 -6.875965432 stable

USMG5 -0.015721588 12.97454581 -0.477268681 0.635856963 0.883088783 -6.875975466 stable

LINC00051 0.002615275 3.180103693 0.476873486 0.636135827 0.883415723 -6.876166142 stable

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LOC652276 0.033535735 6.890633106 0.476720922 0.636243497 0.883469112 -6.87623971 stable

PPP1R12B 0.006243751 3.612055163 0.476538885 0.636371977 0.883595352 -6.876327461 stable

TMEM92 0.000700989 2.041772336 0.476411524 0.636461873 0.883668008 -6.876388834 stable

TM4SF4 0.000622815 1.933796805 0.476283518 0.636552231 0.883730572 -6.876450503 stable

VTA1 0.023842182 10.42665925 0.476171522 0.636631292 0.883730572 -6.876504445 stable

NMT2 0.069954128 9.036349672 0.476144162 0.636650607 0.883730572 -6.876517621 stable

CALN1 -0.000932352 2.107361602 -0.476085875 0.636691755 0.883730572 -6.876545688 stable

CSPP1 -0.018932157 4.12822494 -0.476080429 0.6366956 0.883730572 -6.87654831 stable

CTDSP2 0.022700031 12.30096545 0.47602835 0.636732367 0.883730572 -6.876573385 stable

PDRG1 0.050503949 7.975706705 0.475734533 0.636939816 0.883966332 -6.876714798 stable

ZW10 0.029995947 7.169117721 0.47560874 0.63702864 0.883998359 -6.876775316 stable

MS4A8 0.000618484 1.954093197 0.47555364 0.637067549 0.883998359 -6.876801818 stable

RP11-388M20.1 -0.006855636 2.764746596 -0.475413102 0.637166795 0.883998359 -6.876869404 stable

COX2 -0.011824879 15.79877003 -0.475410493 0.637168637 0.883998359 -6.876870658 stable

KCNK1 0.001986629 2.506790217 0.475400547 0.63717566 0.883998359 -6.87687544 stable

KDM1B 0.071167029 8.786287834 0.475382519 0.637188392 0.883998359 -6.876884108 stable

LINC01094 -0.098331811 3.566896947 -0.475292535 0.637251942 0.88403438 -6.876927368 stable

DPY19L1 0.003230753 2.89692339 0.475165294 0.637341808 0.884106904 -6.876988526 stable

ANKRD45 0.004365514 2.98861568 0.475090377 0.637394723 0.884128163 -6.877024527 stable

MAP2K2 -0.014588251 11.32361297 -0.474842314 0.637569944 0.884295416 -6.877143692 stable

ST8SIA1 -0.051158057 3.383670682 -0.474812013 0.637591349 0.884295416 -6.877158244 stable

EFHB -0.008502007 3.460215382 -0.474760006 0.637628088 0.884295416 -6.877183218 stable

MS4A6E -0.001533735 2.689317944 -0.474701502 0.637669417 0.884300593 -6.877211308 stable

CDX4 0.000730748 2.271906724 0.474582091 0.637753777 0.884357733 -6.877268632 stable

ATOH1 -0.000734965 2.044490048 -0.47453674 0.637785818 0.884357733 -6.8772904 stable

PGAM1 0.033311474 12.96903811 0.474482551 0.637824104 0.884358314 -6.877316407 stable

CACNB2 -0.001262775 2.472102331 -0.474429714 0.637861434 0.884358314 -6.877341762 stable

KIAA1328 0.003093949 3.298252429 0.474360215 0.637910539 0.884374266 -6.877375108 stable

HTN1 0.000923741 2.361806137 0.474258145 0.63798266 0.884422123 -6.877424074 stable

FAM230B 0.000779056 1.921366662 0.47413797 0.638067578 0.884474529 -6.877481712 stable

MEAF6 0.022618647 11.3760842 0.474098215 0.638095671 0.884474529 -6.877500775 stable

PKHD1 0.003401121 3.077194127 0.474038164 0.638138107 0.884481227 -6.877529569 stable

SAMD5 0.004274808 3.150690926 0.473925854 0.638217476 0.884490209 -6.87758341 stable

MCMDC2 0.002945849 2.87085049 0.473898534 0.638236784 0.884490209 -6.877596506 stable

GMDS 0.029308394 8.512484345 0.473839108 0.638278783 0.884490209 -6.877624988 stable

DUSP12 -0.019515558 9.86994552 -0.473788323 0.638314674 0.884490209 -6.877649325 stable

TRPM8 0.001796142 2.534536048 0.473762948 0.638332609 0.884490209 -6.877661485 stable

ANAPC10 0.033623424 8.520185563 0.47367456 0.63839508 0.884524663 -6.877703835 stable

HEATR6 0.054638191 7.802626165 0.47346036 0.638546485 0.884639614 -6.877806433 stable

CTC-471C19.1 0.00156229 2.583664571 0.473450767 0.638553266 0.884639614 -6.877811027 stable

FGF1 0.000990202 2.279288246 0.473241003 0.638701551 0.884792931 -6.877911454 stable

MTSS1 0.038820743 8.677609802 0.472987822 0.638880547 0.884954476 -6.878032609 stable

LOC101927650 0.000724391 2.302564916 0.472969627 0.638893412 0.884954476 -6.878041314 stable

NOMO3 -0.042364627 7.311577072 -0.472886223 0.638952384 0.884984043 -6.87808121 stable

BRINP3 0.003276358 3.07223318 0.472814705 0.639002952 0.884993011 -6.878115414 stable

CHURC1 0.069379134 9.198957654 0.472695786 0.639087042 0.884993011 -6.878172278 stable

LOC101927038 0.000910502 2.311914831 0.472625767 0.639136555 0.884993011 -6.878205753 stable

NUDT14 -0.001009856 2.234562173 -0.472625606 0.639136669 0.884993011 -6.87820583 stable

HNRNPUL1 -0.014232617 11.08921645 -0.472540538 0.639196827 0.884993011 -6.878246492 stable

C12orf66 0.041956735 7.007755069 0.472534247 0.639201276 0.884993011 -6.878249499 stable

AIFM3 -0.068057132 3.669633377 -0.472404868 0.639292774 0.884993011 -6.878311328 stable

LINC00963 -0.083372193 7.116024561 -0.47239968 0.639296443 0.884993011 -6.878313807 stable

LINC00271 0.004853854 3.112007772 0.472389809 0.639303425 0.884993011 -6.878318523 stable

CORT 0.020812839 4.46123669 0.472314075 0.639356987 0.884993011 -6.878354706 stable

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KGFLP2 0.013192128 2.94049013 0.471972168 0.639598826 0.885201807 -6.878517988 stable

LOC101927770 0.006866559 3.825403056 0.471856344 0.63968076 0.885201807 -6.878573274 stable

RPL7L1 /// WAC-AS1 -0.023760071 11.11214987 -0.471766522 0.639744304 0.885201807 -6.87861614 stable

DNTTIP1 -0.054698498 9.042407317 -0.471651713 0.639825528 0.885201807 -6.878670918 stable

POLE4 -0.039699577 9.050055845 -0.471637258 0.639835754 0.885201807 -6.878677814 stable

HERC2P2 /// HERC2P9 -0.039800944 10.76394676 -0.471628041 0.639842275 0.885201807 -6.878682211 stable

LINC01405 0.001499922 2.852840739 0.471599533 0.639862445 0.885201807 -6.87869581 stable

ZFP3 0.055529018 6.825649472 0.471483955 0.639944219 0.885201807 -6.878750936 stable

INTS1 0.051059661 6.522881929 0.471439517 0.639975662 0.885201807 -6.878772128 stable

FEZ2 -0.025318739 10.11849872 -0.471431494 0.639981338 0.885201807 -6.878775954 stable

NPY2R 0.00084724 2.265015348 0.471423019 0.639987335 0.885201807 -6.878779995 stable

TREML3P -0.020094203 3.076067362 -0.471417039 0.639991567 0.885201807 -6.878782847 stable

IER2 0.05199284 13.06634489 0.471386978 0.640012837 0.885201807 -6.87879718 stable

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QPRT 0.0292873 2.520252072 0.471130599 0.640194257 0.885296556 -6.87891939 stable

LINC01115 0.002121341 2.649666264 0.470963108 0.64031279 0.885408414 -6.878999194 stable

REG3G -0.001565516 2.477463973 -0.470905432 0.640353609 0.885412805 -6.879026667 stable

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MRPS23 0.034176407 9.899215413 0.470660151 0.640527215 0.885454952 -6.879143471 stable

SOX11 0.00088419 2.281434168 0.470576189 0.640586647 0.885454952 -6.87918344 stable

C3orf52 0.000615786 1.94523003 0.470445757 0.640678977 0.885454952 -6.879245516 stable

LMLN 0.028616548 3.636805984 0.470438893 0.640683836 0.885454952 -6.879248782 stable

TRIM56 0.032128514 9.870708784 0.470309021 0.640775775 0.885454952 -6.879310574 stable

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CDS2 -0.045823994 9.080699892 -0.470238272 0.640825863 0.885454952 -6.879344229 stable

C9orf50 0.001371709 2.535983913 0.470215804 0.64084177 0.885454952 -6.879354915 stable

CFHR2 0.00360846 3.401469977 0.470209051 0.640846551 0.885454952 -6.879358127 stable

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ALPK3 0.00481342 2.224465845 0.47016392 0.640878503 0.885454952 -6.879379592 stable

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CRP 0.000714725 2.024422601 0.46975056 0.641171189 0.885629591 -6.879576093 stable

RIMS4 -0.01503287 3.550897743 -0.469726618 0.641188143 0.885629591 -6.879587469 stable

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HDAC1 0.025357245 12.63619776 0.469353168 0.641452624 0.885820318 -6.879764842 stable

KIAA0141 0.025597092 9.162665289 0.469348217 0.64145613 0.885820318 -6.879767193 stable

PTPN21 0.002120047 2.792235039 0.469318934 0.641476871 0.885820318 -6.879781095 stable

GLP2R 0.000719119 2.19122601 0.469093225 0.641636745 0.885937496 -6.879888222 stable

GOLGA6L2 0.002031465 2.992333707 0.469092784 0.641637058 0.885937496 -6.879888431 stable

LINC01103 0.002271694 2.508647258 0.468985293 0.641713202 0.885990621 -6.879939431 stable

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CNNM4 -0.034159033 5.867491912 -0.46868063 0.64192904 0.886080572 -6.880083917 stable

C12orf75 0.058978686 10.52836235 0.468587453 0.641995057 0.886119695 -6.880128088 stable

MRPL34 0.032941196 9.709923708 0.468158733 0.642298849 0.886432694 -6.880331212 stable

CDKL1 0.001652331 2.714902309 0.468147433 0.642306857 0.886432694 -6.880336563 stable

ZNF23 -0.058567207 7.328368301 -0.4680256 0.6423932 0.886432694 -6.880394251 stable

LINC01364 0.001396843 2.730615172 0.468012927 0.642402182 0.886432694 -6.880400251 stable

MUT 0.03575922 8.086292869 0.467993319 0.642416079 0.886432694 -6.880409534 stable

TOR1AIP1 0.025639359 3.999348672 0.467948356 0.642447946 0.886432694 -6.880430819 stable

TPMT -0.035685137 7.981455319 -0.467842018 0.642523314 0.886484683 -6.88048115 stable

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LINC00284 0.00291197 3.164272351 0.467677867 0.642639666 0.886541208 -6.880558823 stable

MYL7 -0.002392983 2.427488077 -0.46758939 0.642702383 0.886575729 -6.880600677 stable

ROBO2 0.001105651 2.345290788 0.467460934 0.642793445 0.886649344 -6.880661429 stable

LRRC37A /// LRRC37A2 /// LRRC37A3 /// LRRC37A4P -0.038029909 9.057045305 -0.46723491 0.642953684 0.886818366 -6.880768285 stable

LCN1 -0.004062588 2.839905023 -0.467073484 0.643068138 0.886924221 -6.880844571 stable

TMCC1 0.029864415 7.67253139 0.466824147 0.643244939 0.887116049 -6.880962349 stable

FRG1 /// LOC100289097 /// LOC101930278 /// LOC101930531 -0.025795688 10.0363166 -0.466696039 0.643335787 0.88718932 -6.881022839 stable

TIAL1 0.022427156 9.164131111 0.466425737 0.643527489 0.887329636 -6.881150416 stable

AFP -0.001302641 2.721231923 -0.466413655 0.643536059 0.887329636 -6.881156117 stable

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LSM2 -0.032230494 9.363037886 -0.465899334 0.643900893 0.887533798 -6.881398657 stable

VWCE 0.008490169 2.865762855 0.465836591 0.643945406 0.887533798 -6.881428227 stable

GMIP 0.023254417 11.00762887 0.465815482 0.643960382 0.887533798 -6.881438174 stable

PALD1 0.023001898 2.662908821 0.465811908 0.643962918 0.887533798 -6.881439859 stable

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HOXD8 0.000715322 2.322250179 0.465608804 0.64410702 0.887561512 -6.881535546 stable

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PC -0.011779999 3.789915501 -0.465106793 0.644463258 0.887758235 -6.88177188 stable

CAPG -0.065952721 10.87665891 -0.465103704 0.644465451 0.887758235 -6.881773334 stable

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SAMD15 -0.0053249 3.405465348 -0.464931429 0.64458772 0.887822672 -6.881854378 stable

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BST1 -0.099240065 9.265188337 -0.464745813 0.64471947 0.887848165 -6.881941665 stable

XG -0.003533338 2.793510906 -0.464592301 0.644828441 0.887946242 -6.882013829 stable

NPR3 0.017078323 3.25484004 0.464413409 0.644955438 0.887957696 -6.882097894 stable

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CRYBB1 0.00061744 1.908508558 0.464175 0.645124703 0.887957696 -6.882209877 stable

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RAB33B 0.039007327 7.784937228 0.464022731 0.645232821 0.887959892 -6.88228137 stable

LOC100996549 0.000590802 1.949081027 0.463993436 0.645253623 0.887959892 -6.882295122 stable

ASAH1 -0.047682124 12.23929826 -0.46384461 0.645359305 0.888053368 -6.882364971 stable

PIEZO2 -0.002009762 2.166479089 -0.463770589 0.645411871 0.888073746 -6.882399704 stable

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TMEM39B -0.035670524 8.532801667 -0.463499958 0.645604073 0.888234289 -6.882526644 stable

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GFRA1 0.001754476 3.009191925 0.463187586 0.645825951 0.888383659 -6.882673071 stable

TJP2 -0.065074513 9.110336055 -0.463083038 0.645900218 0.888410041 -6.882722057 stable

RP11-279O17.1 0.002294912 2.547261954 0.463029761 0.645938066 0.888410041 -6.882747016 stable

LINC01355 0.070055806 5.595441792 0.463001078 0.645958442 0.888410041 -6.882760452 stable

C2orf16 -0.019080106 2.541645006 -0.462942343 0.646000169 0.888415481 -6.882787963 stable

RP11-359K18.3 0.000917552 2.203023796 0.462850053 0.646065737 0.888453707 -6.882831184 stable

PEX26 0.04143814 6.784850975 0.462737606 0.646145628 0.888483658 -6.882883832 stable

LOC101928284 -0.002116618 2.827359807 -0.462670145 0.64619356 0.888483658 -6.882915412 stable

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SORT1 0.105186323 6.16802289 0.462528304 0.646294345 0.888483658 -6.882981796 stable

SPATA42 -0.00195728 2.813704132 -0.462492116 0.64632006 0.888483658 -6.882998729 stable

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TRIM46 -0.000975293 2.153581513 -0.461817514 0.646799498 0.888483658 -6.883314153 stable

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OLFML2B 0.056690723 3.465745858 0.461474431 0.647043384 0.888483658 -6.883474394 stable

BVES-AS1 0.0016194 2.850736687 0.461446169 0.647063477 0.888483658 -6.883487589 stable

VASP -0.031153129 12.12782115 -0.461175079 0.647256217 0.888483658 -6.883614114 stable

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GAS7 -0.055030855 9.79913684 -0.461098281 0.647310823 0.888483658 -6.883649944 stable

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AZGP1P1 /// RP4-604G5.3 0.001130687 2.276575811 0.461045365 0.647348449 0.888483658 -6.883674629 stable

GRAMD1B 0.041247473 8.115902021 0.460953916 0.647413477 0.888483658 -6.883717282 stable

GEM 0.002553787 2.687972245 0.460903157 0.647449572 0.888483658 -6.883740953 stable

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MLN 0.013517238 2.341243783 0.460784865 0.647533694 0.888483658 -6.883796108 stable

TCF21 -0.002844526 2.587346663 -0.460772111 0.647542764 0.888483658 -6.883802053 stable

SCARF2 -0.002820386 2.134724992 -0.460601272 0.647664263 0.888483658 -6.883881682 stable

F8 0.078832134 5.857037828 0.460587905 0.64767377 0.888483658 -6.883887911 stable

ITGA11 0.001349104 2.82071634 0.46057136 0.647685537 0.888483658 -6.883895621 stable

TAGLN -0.121197317 8.162345896 -0.460528677 0.647715894 0.888483658 -6.883915509 stable

TPM4 -0.021631844 2.755608038 -0.460468304 0.647758835 0.888483658 -6.883943638 stable

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SIGLEC6 -0.054353367 4.10261209 -0.460436555 0.647781417 0.888483658 -6.883958429 stable

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HAT1 -0.018506767 11.25098207 -0.460302966 0.647876439 0.888483658 -6.884020653 stable

MMP13 0.001504235 2.707233733 0.46027996 0.647892803 0.888483658 -6.884031367 stable

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LOC102724640 0.000751143 2.270643008 0.460024176 0.648074759 0.888483658 -6.884150451 stable

CYP4F3 0.205813952 3.784170859 0.459835369 0.648209085 0.888483658 -6.884238312 stable

TMEM165 0.033273283 9.966085673 0.459790403 0.648241077 0.888483658 -6.884259231 stable

TAS2R8 0.000751277 2.189623695 0.459789702 0.648241576 0.888483658 -6.884259557 stable

PCDHGA10 0.000902422 1.937268776 0.459776721 0.648250812 0.888483658 -6.884265596 stable

LIN7A -0.112388441 4.309791916 -0.459774443 0.648252432 0.888483658 -6.884266656 stable

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PHKA1 -0.00267279 2.208395363 -0.459707243 0.648300245 0.888483658 -6.884297914 stable

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DENND4C 0.030714605 10.02598392 0.459531265 0.648425462 0.888483658 -6.88437975 stable

GUSBP4 /// LOC100996497 0.051725181 4.22601445 0.459515733 0.648436514 0.888483658 -6.884386971 stable

EDA2R 0.024420179 2.862195562 0.459496849 0.648449952 0.888483658 -6.884395751 stable

GLRB -0.005122704 2.729492798 -0.459415918 0.648507542 0.888483658 -6.884433373 stable

PRO0471 0.113005935 7.986357269 0.459281817 0.648602973 0.888483658 -6.884495698 stable

MIR4458 /// MIR4458HG 0.045408226 3.478239447 0.459275773 0.648607274 0.888483658 -6.884498507 stable

PAPSS2 0.086649046 6.900454723 0.459274527 0.648608161 0.888483658 -6.884499086 stable

COG1 -0.023251083 9.359155842 -0.459203774 0.648658514 0.888483658 -6.884531961 stable

RGS19 0.035029312 12.5093323 0.459181686 0.648674234 0.888483658 -6.884542224 stable

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TEX35 0.013844479 5.147024378 0.458947061 0.648841224 0.888622164 -6.884651202 stable

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GRM1 0.001287727 2.587997446 0.458322642 0.649285731 0.888784268 -6.884940963 stable

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OAZ1 0.011433951 15.4375458 0.458147621 0.649410347 0.888792085 -6.885022111 stable

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SORBS1 -0.045181202 8.336209398 -0.457525982 0.649853041 0.889052822 -6.885310085 stable

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CCT8 0.025465558 12.84065355 0.454988192 0.651661632 0.889905553 -6.886481703 stable

YTHDC2 0.035077981 8.58157041 0.454878744 0.65173968 0.889960465 -6.886532087 stable

SKA2 0.021193543 9.411895842 0.454789595 0.651803255 0.889991155 -6.886573117 stable

LRRC57 0.029105527 7.556959319 0.454737828 0.651840173 0.889991155 -6.886596939 stable

LINC00326 0.002896127 2.946886773 0.454642684 0.651908029 0.889991155 -6.886640715 stable

HTRA1 -0.093064488 2.379253156 -0.454635002 0.651913507 0.889991155 -6.886644249 stable

DLK2 -0.01061513 2.352979446 -0.454445839 0.652048424 0.890123679 -6.886731254 stable

KDM8 0.023153666 6.861311701 0.454001086 0.652365684 0.890505092 -6.886935678 stable

EIF1AY 0.006903423 3.436430786 0.453860549 0.652465948 0.890540375 -6.887000232 stable

C20orf166 0.019015033 3.072143357 0.453858718 0.652467254 0.890540375 -6.887001073 stable

LOC284379 0.007599969 4.061557893 0.453695903 0.65258342 0.890554076 -6.887075835 stable

ALX4 0.000986401 2.177371239 0.453675045 0.652598303 0.890554076 -6.887085411 stable

TEX43 0.001027109 2.31587374 0.453574863 0.652669786 0.890554076 -6.887131398 stable

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WNK2 -0.001499395 2.466901263 -0.453547832 0.652689074 0.890554076 -6.887143805 stable

HES7 -0.012715795 4.410603212 -0.453514666 0.652712741 0.890554076 -6.887159026 stable

HELQ -0.019115288 8.039777921 -0.453473204 0.652742327 0.890554076 -6.887178053 stable

RP11-1C8.6 0.001961096 2.630782244 0.453243531 0.652906227 0.890653677 -6.887283419 stable

CCDC70 0.00124616 2.618064537 0.453234515 0.652912661 0.890653677 -6.887287554 stable

H3F3A /// H3F3AP4 /// H3F3B 0.01450059 14.96987873 0.453211719 0.65292893 0.890653677 -6.887298009 stable

DKFZp434J0226 0.001935974 2.890958073 0.452928474 0.653131087 0.890845473 -6.887427871 stable

GRIN2B -0.005232048 2.614745505 -0.452908586 0.653145282 0.890845473 -6.887436986 stable

ELK4 -0.024414576 3.564836756 -0.452830238 0.653201206 0.89087009 -6.887472891 stable

ARHGEF10 0.001153413 2.629126907 0.452690121 0.653301225 0.890937988 -6.887537089 stable

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MAGI2-AS3 -0.202490844 4.885828475 -0.452584248 0.653376803 0.890937988 -6.887585583 stable

TMEM234 -0.033967117 6.455765471 -0.452548247 0.653402504 0.890937988 -6.88760207 stable

LINC01314 -0.005616035 2.958171103 -0.452410071 0.653501149 0.890985639 -6.887665339 stable

LOC157860 0.010364794 3.155926325 0.452393177 0.653513211 0.890985639 -6.887673074 stable

SNORD8 -0.002806852 3.22771518 -0.452039693 0.653765598 0.891253085 -6.887834836 stable

PET100 0.020942394 11.62473556 0.4520123 0.653785159 0.891253085 -6.887847367 stable

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ABCD1P2 /// ABCD1P2 -0.012038377 6.023281141 -0.451667145 0.654031643 0.891279158 -6.888005188 stable

TP53TG1 0.043599642 7.646351425 0.451478669 0.654166254 0.891357999 -6.888091317 stable

PSMG3-AS1 -0.037817799 5.635217065 -0.451457811 0.654181152 0.891357999 -6.888100847 stable

C17orf47 0.001066898 2.371612814 0.451331407 0.654271439 0.891357999 -6.888158588 stable

TRAF3IP2-AS1 0.003289763 3.088076479 0.451297787 0.654295453 0.891357999 -6.888173943 stable

MACC1 0.006494172 3.405935441 0.451291321 0.654300072 0.891357999 -6.888176896 stable

ADCY10P1 -0.060380616 6.146577879 -0.451267798 0.654316875 0.891357999 -6.888187639 stable

TAS1R1 -0.003278065 2.69758216 -0.451185301 0.654375805 0.891386651 -6.88822531 stable

LINC01305 0.001485492 2.570231329 0.451104017 0.65443387 0.891414122 -6.88826242 stable

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LL0XNC01-116E7.2 0.000745419 2.253773312 0.450853067 0.65461315 0.891517485 -6.88837695 stable

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LOC100505727 0.001348341 2.387229343 0.450633449 0.654770064 0.891665509 -6.888477128 stable

LOC101928978 -0.006253374 3.330372078 -0.450502811 0.654863411 0.891740999 -6.888536695 stable

GPR37L1 /// LOC284570 0.003918234 3.502396073 0.450381741 0.654949926 0.891807178 -6.888591885 stable

LINC00242 -0.001854241 2.681310121 -0.450328301 0.654988115 0.891807551 -6.888616241 stable

LOC100507221 0.00224044 2.981505063 0.450204492 0.655076593 0.891835127 -6.888672657 stable

LIN37 0.029948658 8.210686338 0.450193847 0.655084201 0.891835127 -6.888677507 stable

RAD51C -0.061098476 6.067860662 -0.450092544 0.655156601 0.891877452 -6.888723655 stable

LOC101930052 /// LOC102724562 /// MST1 /// MST1L /// MST1P2 0.05630946 3.535376631 0.450007355 0.655217486 0.891877452 -6.888762455 stable

GPR12 -0.004405124 2.882518429 -0.449896384 0.655296802 0.891877452 -6.888812986 stable

FAM178B 0.020978668 5.881564 0.449886205 0.655304077 0.891877452 -6.888817621 stable

MINA -0.020386024 6.1373073 -0.44988508 0.655304882 0.891877452 -6.888818133 stable

PIGX 0.032338504 6.82662814 0.449778056 0.655381381 0.891928521 -6.888866854 stable

SQLE 0.023657497 3.242292128 0.449724509 0.655419657 0.891928521 -6.888891226 stable

KIRREL3-AS2 -0.002079993 3.014691284 -0.449660609 0.655465334 0.891928521 -6.888920307 stable

EXOSC4 0.047492739 7.845080557 0.449620387 0.655494087 0.891928521 -6.88893861 stable

DUSP8 /// LOC101927562 -0.040502987 6.648299049 -0.449469376 0.655602042 0.892023811 -6.889007312 stable

MSC -0.041206686 3.381768198 -0.449399618 0.655651912 0.892037815 -6.88903904 stable

PLXND1 -0.001255951 1.962427985 -0.449348883 0.655688184 0.892037815 -6.889062114 stable

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RUSC2 -0.047962454 5.998938325 -0.449138501 0.655838603 0.89213925 -6.889157763 stable

IRX5 0.000633017 2.13468061 0.448999107 0.655938275 0.892161696 -6.889221114 stable

USP21 0.021276973 9.888684848 0.448967555 0.655960836 0.892161696 -6.889235451 stable

LINC00161 0.010948251 3.54568409 0.448956285 0.655968895 0.892161696 -6.889240571 stable

CEACAM21 0.059280302 7.624313845 0.448557613 0.656254 0.892497851 -6.889421632 stable

HAGLROS 0.001071029 2.8395466 0.448417423 0.656354267 0.892543169 -6.889485263 stable

MMP10 0.001465919 2.632422452 0.448404912 0.656363216 0.892543169 -6.889490941 stable

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EMILIN3 0.005542904 3.453524613 0.448181137 0.65652328 0.892657614 -6.889592466 stable

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LOC101928519 0.003896179 3.252708608 0.447544996 0.656978393 0.892759906 -6.889880806 stable

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KANK1 0.072834499 7.247671458 0.447490366 0.657017483 0.892759906 -6.889905549 stable

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COMMD2 -0.02259942 8.277080561 -0.447027551 0.657348686 0.892953996 -6.890115047 stable

PSAT1 0.069582981 6.003764298 0.446720819 0.65756823 0.893200643 -6.890253773 stable

WFDC2 0.003354135 3.081056509 0.446446999 0.657764243 0.893415301 -6.890377536 stable

CSH1 /// CSH2 -0.001211012 2.35684344 -0.446306041 0.657865157 0.89346064 -6.890441217 stable

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LOC100505797 0.018327955 4.301702665 0.446241199 0.65791158 0.89346064 -6.890470504 stable

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DERL2 0.027124303 10.84467277 0.445630297 0.658349022 0.893819274 -6.890746225 stable

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DDR1-AS1 0.016386259 3.966615392 0.44452285 0.659142328 0.893894023 -6.8912451 stable

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ASB11 -0.001154774 2.49076156 -0.444358891 0.659259813 0.893930225 -6.891318855 stable

BRAF 0.017675597 9.161147575 0.444276318 0.659318983 0.893930225 -6.891355989 stable

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CAPZA2 -0.028455916 4.533196256 -0.43896406 0.663130309 0.895987549 -6.893730624 stable

PPM1N -0.052152167 3.834927098 -0.438960997 0.663132509 0.895987549 -6.893731985 stable

MUC3 -0.008470789 2.961435447 -0.438886415 0.663186084 0.895987549 -6.893765123 stable

IDE 0.033053011 8.920530941 0.438866093 0.663200681 0.895987549 -6.893774151 stable

BIVM -0.004171056 2.711493742 -0.438724056 0.663302717 0.896035142 -6.893837241 stable

ANKRD32 0.027811699 4.544167474 0.438659112 0.663349373 0.896035142 -6.893866081 stable

LOC340178 0.000740488 2.402821976 0.438657968 0.663350195 0.896035142 -6.893866589 stable

ACVR1B 0.084359814 4.874447441 0.438522083 0.663447819 0.896055786 -6.893926918 stable

RIMS1 0.004042978 2.956658957 0.438456928 0.663494631 0.896055786 -6.893955839 stable

MDM1 -0.031132249 9.923469025 -0.438449105 0.663500252 0.896055786 -6.893959311 stable

ACSL6 -0.05187476 4.83622507 -0.438424596 0.663517862 0.896055786 -6.893970189 stable

ANKRD28 0.086991697 6.52336884 0.438207436 0.663673896 0.896182148 -6.894066543 stable

RP11-783K16.13 0.019020937 3.116581774 0.43817776 0.66369522 0.896182148 -6.894079706 stable

FPR1 0.14913773 7.051892574 0.438135294 0.663725735 0.896182148 -6.894098541 stable

SPIN3 -0.006326168 3.695764155 -0.438010475 0.66381543 0.896251807 -6.894153893 stable

CD69 -0.112021822 11.18858572 -0.437836508 0.663940452 0.896359066 -6.894231014 stable

LRG1 -0.088145161 3.563679114 -0.437793877 0.66397109 0.896359066 -6.894249908 stable

GPALPP1 0.019290663 6.768603047 0.437572883 0.664129925 0.896483278 -6.894347823 stable

IFI35 0.05263017 9.940678617 0.437559802 0.664139327 0.896483278 -6.894353617 stable

DLGAP1-AS3 -0.001130994 2.508546105 -0.437506118 0.664177914 0.896483916 -6.894377394 stable

RP11-134G8.8 -0.000998245 2.115218724 -0.437451767 0.664216981 0.896485202 -6.894401464 stable

EIF1B-AS1 -0.022034179 2.630500467 -0.437358634 0.664283926 0.89652278 -6.894442702 stable

TEX26 0.000621312 2.201861022 0.437306984 0.664321055 0.89652278 -6.894465568 stable

APOOL 0.01949824 8.138278527 0.437105124 0.664466168 0.896554707 -6.894554909 stable

TRO 0.0067038 3.683446105 0.43709967 0.664470089 0.896554707 -6.894557322 stable

PSG2 0.000760461 2.189995144 0.437029175 0.66452077 0.896554707 -6.894588512 stable

LOC100507501 -0.037265049 6.924737865 -0.43701564 0.664530501 0.896554707 -6.894594501 stable

C20orf62 0.004028465 2.355445703 0.437008966 0.664535299 0.896554707 -6.894597453 stable

LOC101927967 0.001628622 2.836765147 0.436861146 0.664641577 0.896564844 -6.894662836 stable

IFI30 /// PIK3R2 0.046017935 14.28612651 0.436850597 0.664649162 0.896564844 -6.894667501 stable

TBXAS1 0.069940248 10.37020225 0.436818368 0.664672334 0.896564844 -6.894681753 stable

PRO2958 0.000787383 1.990093119 0.43675033 0.664721255 0.896564844 -6.894711837 stable

YWHAEP7 -0.002944423 2.532623736 -0.436733437 0.664733401 0.896564844 -6.894719306 stable

LOC400768 0.002700498 3.183435387 0.436574604 0.664847611 0.896641605 -6.894789515 stable

HDAC7 -0.031525412 8.964143593 -0.436548261 0.664866555 0.896641605 -6.894801158 stable

H2BFXP -0.069306054 5.450349255 -0.43638779 0.664981952 0.896701542 -6.894872061 stable

DPYSL4 -0.009342433 2.435028249 -0.436380429 0.664987245 0.896701542 -6.894875313 stable

CXCL9 0.073036527 2.304268534 0.436258032 0.665075269 0.896768827 -6.894929376 stable

FAM86A -0.032269871 6.218861109 -0.436111063 0.66518097 0.896859937 -6.894994272 stable

FBXL20 -0.023493613 8.872501469 -0.435636432 0.665522377 0.897129125 -6.895203703 stable

SPATA13 -0.053997924 9.524796804 -0.435542992 0.665589598 0.897129125 -6.895244908 stable

TNFRSF12A 0.011716693 3.193957877 0.435526855 0.665601206 0.897129125 -6.895252022 stable

BC041025 -0.101511178 9.14771839 -0.435485468 0.665630981 0.897129125 -6.895270269 stable

LY6G6C 0.00966978 2.664398077 0.435396116 0.665695265 0.897129125 -6.895309657 stable

LOC100506271 -0.001415774 2.640256698 -0.435335598 0.665738806 0.897129125 -6.89533633 stable

CCDC146 0.055651716 7.012571038 0.43519271 0.665841615 0.897129125 -6.895399292 stable

IFT80 /// TRIM59 0.068424219 6.541463616 0.435185817 0.665846574 0.897129125 -6.895402329 stable

NEDD4 0.082418762 6.090292468 0.435117304 0.665895872 0.897129125 -6.895432511 stable

HNRNPCL1 /// HNRNPCL2 /// LOC101060301 /// LOC649330 0.020599807 5.342165574 0.435052639 0.665942403 0.897129125 -6.895460994 stable

ERICH1 /// FLJ00290 -0.076229218 5.928240381 -0.435049637 0.665944562 0.897129125 -6.895462315 stable

REPIN1 /// REPIN1 0.000684524 2.139984351 0.434886195 0.666062175 0.897129125 -6.895534286 stable

DIO2-AS1 -0.001773209 2.581320409 -0.434843412 0.666092963 0.897129125 -6.895553121 stable

PSME4 -0.023167581 10.63701849 -0.434807679 0.666118678 0.897129125 -6.895568851 stable

THRSP -0.024558902 3.511811988 -0.434737514 0.666169173 0.897129125 -6.895599734 stable

FTO -0.02302655 9.683317949 -0.434732475 0.666172799 0.897129125 -6.895601951 stable

ATRIP /// TREX1 0.031333506 6.681615262 0.434729513 0.666174931 0.897129125 -6.895603255 stable

AX747132 /// RP11-458D21.1 /// RP4-791M13.3 0.07062678 6.386088627 0.434725828 0.666177583 0.897129125 -6.895604877 stable

LOC101929897 0.008345159 2.404816815 0.434717093 0.66618387 0.897129125 -6.895608721 stable

PAN3 0.024041974 12.38830012 0.43470507 0.666192522 0.897129125 -6.895614012 stable

CHRM5 -0.00209682 2.573104397 -0.434680581 0.666210147 0.897129125 -6.895624789 stable

HYKK -0.012482227 3.385649194 -0.434667256 0.666219737 0.897129125 -6.895630653 stable

MGAT4C 0.003501432 3.122120664 0.43452286 0.666323661 0.897186361 -6.895694183 stable

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ADH1B 0.001321818 2.569923335 0.434368136 0.666435026 0.897186361 -6.895762233 stable

PPRC1 0.017726747 9.799645753 0.434311064 0.666476106 0.897186361 -6.895787329 stable

FLJ32255 0.045374562 8.559022983 0.434272759 0.666503678 0.897186361 -6.89580417 stable

BC015774 /// SEPT7P2 -0.041254686 5.802221822 -0.434207945 0.666550334 0.897186361 -6.895832663 stable

CLUHP3 /// ZNF720 -0.060859417 7.509146271 -0.434202402 0.666554324 0.897186361 -6.8958351 stable

XPNPEP1 -0.032235128 10.06993456 -0.434134218 0.666603406 0.897186361 -6.89586507 stable

MUC2 -0.000715677 2.322995504 -0.434131257 0.666605538 0.897186361 -6.895866371 stable

GOLGA8I /// GOLGA8M 0.024046414 7.294993124 0.433980438 0.666714111 0.897281147 -6.895932645 stable

NID1 -0.003548746 2.723223254 -0.433889395 0.666779655 0.897318015 -6.895972641 stable

BDH2 0.038848514 8.700653329 0.433642042 0.666957745 0.897506328 -6.896081264 stable

SPC24 0.000693 2.147381407 0.433420235 0.667117458 0.897669893 -6.896178615 stable

FKBP5 -0.105173922 9.955443351 -0.433230198 0.667254308 0.897790172 -6.896261984 stable

LRRC75A-AS1 /// SNORD49A /// SNORD49B /// SNORD65 -0.039102187 10.44352535 -0.433189638 0.667283518 0.897790172 -6.896279773 stable

SERPINB3 0.000589702 2.106425404 0.433111207 0.667340002 0.897790172 -6.896314167 stable

LINC00475 -0.002854538 2.995366178 -0.433070996 0.667368961 0.897790172 -6.896331797 stable

PRDX1 -0.031276909 11.36028546 -0.433031102 0.667397694 0.897790172 -6.896349288 stable

LOXL1-AS1 0.063639903 5.759021614 0.432801424 0.66756312 0.897899924 -6.896449953 stable

TOPBP1 -0.01389216 10.16964861 -0.43267994 0.667650625 0.897899924 -6.896503176 stable

COX7C -0.015415633 13.84928287 -0.432666756 0.667660122 0.897899924 -6.896508951 stable

ERBB2IP 0.025968327 12.49993582 0.432653354 0.667669776 0.897899924 -6.896514822 stable

PKI55 0.027211751 6.759444327 0.432619159 0.667694409 0.897899924 -6.8965298 stable

TMEM79 -0.022708017 6.881946347 -0.432599837 0.667708327 0.897899924 -6.896538262 stable

ZC2HC1C 0.002561081 2.518159787 0.432373958 0.667871048 0.897951996 -6.896637164 stable

TEX2 -0.033206275 8.116098026 -0.432361876 0.667879752 0.897951996 -6.896642453 stable

MAGEC3 0.000995751 2.566852915 0.432340883 0.667894876 0.897951996 -6.896651643 stable

C8orf12 0.00281989 2.812569209 0.432334109 0.667899756 0.897951996 -6.896654607 stable

ST6GALNAC5 0.005645342 2.748078 0.432215104 0.667985494 0.898007279 -6.896706689 stable

SYCP2L -0.050943549 2.941118551 -0.432115803 0.66805704 0.898007279 -6.896750137 stable

RP11-231C18.1 -0.005980293 3.634298147 -0.432106476 0.66806376 0.898007279 -6.896754217 stable

FLJ23519 /// RNH1 -0.00820089 2.723398152 -0.432042689 0.66810972 0.898007279 -6.896782121 stable

PLSCR1 0.047832227 10.41875213 0.431994841 0.668144196 0.898007279 -6.896803049 stable

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RP11-587D21.4 -0.003672436 3.419410031 -0.431892898 0.668217652 0.898020077 -6.896847629 stable

KRT85 0.004272916 2.801855908 0.431762386 0.668311699 0.898095154 -6.896904689 stable

OR1E3 /// OR1E3 0.011070884 2.354742909 0.431594696 0.668432544 0.898126189 -6.896977977 stable

CX3CL1 0.000712445 2.288465563 0.431586088 0.668438747 0.898126189 -6.896981738 stable

PTK7 0.001344356 2.516519979 0.431571381 0.668449346 0.898126189 -6.896988164 stable

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DAB1 -0.000696759 2.16757186 -0.431357056 0.668603813 0.89817981 -6.897081788 stable

MAP7 -0.117246824 3.273999133 -0.431276222 0.668662075 0.898197132 -6.897117087 stable

GANC -0.047446378 5.052851973 -0.431214445 0.668706604 0.898197132 -6.89714406 stable

LOC101928251 0.00099546 2.384135541 0.431180225 0.668731269 0.898197132 -6.897158999 stable

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S100A12 -0.105869365 12.43488231 -0.431026292 0.668842228 0.89820351 -6.897226186 stable

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GAR1 -0.023171881 9.381911698 -0.430961732 0.668888767 0.89820351 -6.897254357 stable

OR51E2 0.000944377 2.372928931 0.430845238 0.668972747 0.898264999 -6.89730518 stable

LOC284240 0.000684413 2.131593044 0.43073855 0.669049661 0.898273812 -6.897351713 stable

DDX11 /// DDX12P /// LOC642846 -0.11444729 8.126373537 -0.430680323 0.66909164 0.898273812 -6.897377104 stable

C12orf76 /// LOC101060443 -0.035039634 8.08398622 -0.4306706 0.66909865 0.898273812 -6.897381344 stable

BHLHE41 -0.126079152 4.330090413 -0.430624244 0.669132072 0.898273812 -6.897401555 stable

SEPSECS-AS1 0.045514004 5.565273203 0.430558474 0.669179491 0.898281071 -6.897430228 stable

LOC100505918 -0.008978269 3.144576856 -0.430483964 0.669233213 0.898281071 -6.897462706 stable

FUCA2 -0.05705154 9.476064032 -0.430457839 0.669252051 0.898281071 -6.897474092 stable

DYNLRB1 -0.000977858 2.287472202 -0.430287385 0.669374958 0.898344706 -6.897548365 stable

SLC9A3 -0.000802648 2.268785812 -0.430253202 0.669399607 0.898344706 -6.897563257 stable

C1orf220 0.009521462 3.086550358 0.430158445 0.669467938 0.898344706 -6.89760453 stable

FOXH1 -0.008238192 5.20055293 -0.430136933 0.66948345 0.898344706 -6.897613898 stable

ASPSCR1 -0.031738631 7.24890057 -0.430127258 0.669490428 0.898344706 -6.897618112 stable

CHD4 0.033852882 8.447951949 0.429958664 0.669612012 0.898456596 -6.897691519 stable

GALR3 0.000573749 1.383512575 0.429797806 0.669728025 0.898515783 -6.897761531 stable

KCNQ2 0.000543447 1.965484129 0.429768788 0.669748954 0.898515783 -6.897774158 stable

LOC101928333 0.000738732 2.235680762 0.429695299 0.669801959 0.898515783 -6.897806132 stable

TARBP2 -0.019396093 8.276929323 -0.429685641 0.669808925 0.898515783 -6.897810334 stable

MCM3AP 0.023596038 10.34174241 0.429590248 0.669877732 0.898534512 -6.89785183 stable

CPEB4 0.039692668 8.397219685 0.42956036 0.66989929 0.898534512 -6.897864829 stable

ERVK13-1 -0.044675734 5.811579008 -0.429426513 0.669995839 0.898554316 -6.897923034 stable

RIBC1 -0.000711847 2.096733009 -0.429357359 0.670045724 0.898554316 -6.897953098 stable

TOP3A 0.061086422 7.334900431 0.42931761 0.670074399 0.898554316 -6.897970377 stable

SAAL1 -0.045579284 7.481242865 -0.429308472 0.670080991 0.898554316 -6.897974349 stable

IFT22 -0.009951465 3.116141324 -0.429275099 0.670105066 0.898554316 -6.897988855 stable

HSPB3 0.000613198 2.101047082 0.428935661 0.670349958 0.898787163 -6.898136329 stable

MAPKBP1 -0.002299372 2.153031617 -0.42885476 0.67040833 0.898787163 -6.898171461 stable

LOC100996263 -0.010436563 2.730242255 -0.428824536 0.670430138 0.898787163 -6.898184584 stable

HOXB-AS1 0.102520157 7.717461121 0.428822563 0.670431562 0.898787163 -6.898185441 stable

ARPP19 -0.0210103 8.718758242 -0.428597031 0.670594303 0.898887427 -6.898283337 stable

LOC101929857 /// SLX1A-SULT1A3 /// SLX1B-SULT1A4 /// SULT1A3 /// SULT1A4 -0.05071928 10.32649423 -0.428507859 0.670658652 0.898887427 -6.89832203 stable

SLC44A1 0.021577283 4.368051377 0.428316674 0.670796626 0.898887427 -6.89840496 stable

IPW /// LOC101930404 /// PWARSN /// SNORD107 /// SNORD115-13 /// SNORD115-26 /// SNORD115-7 /// SNORD116-22 /// SNORD116-28 /// SNORD116-4 -0.058074532 9.910232556 -0.428227471 0.670861007 0.898887427 -6.898443641 stable

LOC100128239 0.002196573 2.917818274 0.428224175 0.670863386 0.898887427 -6.898445071 stable

BBS2 0.0454617 8.679588565 0.428202321 0.670879158 0.898887427 -6.898454546 stable

TAF3 0.021652164 8.228062574 0.428187962 0.670889522 0.898887427 -6.898460771 stable

LOC101927710 -0.008447781 2.875217093 -0.428137313 0.670926079 0.898887427 -6.898482729 stable

LOC101926962 -0.00124444 2.260098649 -0.42808966 0.670960473 0.898887427 -6.898503385 stable

METTL2A /// METTL2B 0.027618627 7.089758934 0.428031977 0.671002108 0.898887427 -6.898528385 stable

SLC2A4RG 0.038406616 5.804079528 0.427953793 0.671058542 0.898887427 -6.898562267 stable

DEPDC1B -0.020275104 3.45344026 -0.42793741 0.671070368 0.898887427 -6.898569365 stable

DSC3 -0.003748819 3.098779386 -0.427933182 0.67107342 0.898887427 -6.898571197 stable

ELFN1-AS1 -0.016537081 4.441388226 -0.42793276 0.671073725 0.898887427 -6.89857138 stable

MIR631 /// NEIL1 -0.058871649 7.542106697 -0.427883052 0.671109606 0.898887427 -6.898592917 stable

MTMR9 0.028617701 8.553777774 0.427810866 0.671161714 0.898887427 -6.898624188 stable

ZNF277 -0.0177222 4.242077191 -0.427774959 0.671187634 0.898887427 -6.898639742 stable

DISC1 0.000605229 1.970990651 0.427740655 0.671212398 0.898887427 -6.898654599 stable

XRCC5 0.012983147 12.92691026 0.42771286 0.671232463 0.898887427 -6.898666637 stable

LOC101928847 0.001120123 2.36527765 0.427536802 0.671359564 0.898939708 -6.898742866 stable

KCNG3 0.001028535 2.515617436 0.427473996 0.671404908 0.898939708 -6.898770053 stable

TAF1D 0.06692716 8.201705452 0.427431801 0.671435372 0.898939708 -6.898788315 stable

ABI2 /// RP11-363J17.1 0.000595943 2.086267508 0.4273956 0.671461509 0.898939708 -6.898803982 stable

IGHA1 /// IGHD /// IGHG1 /// IGHG2 /// IGHG3 /// IGHM /// IGHV4-31 -0.068761452 6.88471037 -0.427394094 0.671462596 0.898939708 -6.898804633 stable

CTD-2310F14.1 0.006731225 3.171236466 0.427265852 0.67155519 0.898957382 -6.898860122 stable

SCARNA13 /// SNHG10 -0.010655941 3.982073091 -0.427221529 0.671587193 0.898957382 -6.898879296 stable

WNT5B -0.017522582 2.515173373 -0.42721701 0.671590456 0.898957382 -6.898881251 stable

SLC46A2 0.117935417 8.643247124 0.427000306 0.671746936 0.899104268 -6.898974967 stable

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PADI4 -0.00208004 2.795221057 -0.426727102 0.671944235 0.899253946 -6.899093051 stable

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SMIM2-AS1 0.004286751 2.879199119 0.426555622 0.672068085 0.899253946 -6.899167129 stable

ACP6 -0.036614633 7.760953837 -0.42652543 0.672089891 0.899253946 -6.899180169 stable

LBP 0.000735869 1.987600245 0.426472447 0.67212816 0.899253946 -6.89920305 stable

BPIFC -0.000744367 2.370467686 -0.426456565 0.672139632 0.899253946 -6.899209908 stable

TIMP1 -0.034126269 11.91257175 -0.426404273 0.672177402 0.899253946 -6.899232487 stable

LRRN4CL 0.001095418 2.247977274 0.426335589 0.672227014 0.899253946 -6.899262139 stable

PDE6G 0.036426321 5.920639632 0.426327906 0.672232564 0.899253946 -6.899265456 stable

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LOC101929196 -0.000849017 2.409850964 -0.426116217 0.672385482 0.899321745 -6.899356815 stable

LOC100129603 0.000889962 2.380095626 0.426098957 0.672397951 0.899321745 -6.899364262 stable

TTC9C 0.044909448 5.53640302 0.42597654 0.672486388 0.899388886 -6.899417072 stable

FANCC 0.017850821 2.867653336 0.425687585 0.672695156 0.899498695 -6.899541664 stable

ELP3 0.024090957 9.352171501 0.42563703 0.672731684 0.899498695 -6.899563454 stable

CERCAM -0.030890683 3.258326294 -0.425580668 0.672772409 0.899498695 -6.899587743 stable

BC040311 0.001859256 2.890958331 0.425436055 0.672876906 0.899498695 -6.899650051 stable

REG1B 0.000604877 2.081713966 0.425377841 0.672918972 0.899498695 -6.899675127 stable

SLC47A2 0.000718357 2.172840945 0.425359276 0.672932388 0.899498695 -6.899683123 stable

ZNF594 -0.033431088 5.927434318 -0.425352119 0.672937561 0.899498695 -6.899686206 stable

CRNN 0.000558564 1.909546265 0.425325444 0.672956837 0.899498695 -6.899697695 stable

PPFIA4 -0.097906317 3.475679247 -0.425317859 0.672962318 0.899498695 -6.899700961 stable

PSMB3 0.035538133 11.66877733 0.425215449 0.673036327 0.899498695 -6.899745061 stable

GIF -0.006833629 3.450717719 -0.425213615 0.673037653 0.899498695 -6.899745851 stable

IFFO1 -0.028585591 10.35887576 -0.425177913 0.673063454 0.899498695 -6.899761222 stable

GSTT2 -0.000618468 2.08328579 -0.42515135 0.673082651 0.899498695 -6.899772658 stable

LOC101928694 0.001267286 2.383049621 0.425069348 0.673141915 0.899498695 -6.899807956 stable

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KCNJ12 /// KCNJ18 /// LOC100996843 0.001199678 2.585174793 0.424748952 0.673373492 0.899498695 -6.899945808 stable

SHFM1 0.012180477 10.09490504 0.42466896 0.673431314 0.899498695 -6.89998021 stable

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HNRNPD -0.017560856 13.68454203 -0.424562713 0.673508117 0.899498695 -6.900025892 stable

LOC642236 0.199238447 6.488557303 0.424551409 0.673516288 0.899498695 -6.900030751 stable

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THAP8 0.04050542 6.151489972 0.424161319 0.673798307 0.899498695 -6.900198374 stable

THBS4 0.00132699 2.337668185 0.424135454 0.673817007 0.899498695 -6.900209483 stable

GTPBP10 0.002166144 2.972399716 0.424085641 0.673853024 0.899498695 -6.900230876 stable

STX10 -0.046875532 10.61785799 -0.424080404 0.67385681 0.899498695 -6.900233125 stable

DSCC1 -0.003664925 3.007291861 -0.424028441 0.673894382 0.899498695 -6.900255437 stable

MAP3K6 0.004101607 3.893121629 0.424025262 0.673896681 0.899498695 -6.900256803 stable

TRAT1 0.066020319 10.88829636 0.424010424 0.673907409 0.899498695 -6.900263173 stable

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PATE1 0.002930806 3.190105059 0.423729567 0.674110499 0.899498695 -6.900383721 stable

SPDYA -0.032749766 2.460496425 -0.423701027 0.674131138 0.899498695 -6.900395967 stable

FLJ32955 -0.006902576 3.527640306 -0.423695079 0.67413544 0.899498695 -6.900398519 stable

COPA -0.031426433 4.265858804 -0.423691476 0.674138045 0.899498695 -6.900400064 stable

WDR45 -0.023722099 10.64826586 -0.423658138 0.674162154 0.899498695 -6.900414367 stable

KRT18P38 /// KRT18P38 -0.00551051 3.408196388 -0.42363711 0.674177361 0.899498695 -6.900423388 stable

IL18BP 0.001454687 2.353317832 0.423632523 0.674180679 0.899498695 -6.900425356 stable

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TXLNB 0.014756973 3.647742411 0.423587234 0.674213431 0.899498695 -6.900444782 stable

CPNE7 -0.012063543 3.223228916 -0.423535067 0.674251158 0.899498695 -6.900467157 stable

ANAPC1 /// LOC101930107 /// LOC285074 /// LOC730268 0.024343335 10.04418004 0.423450025 0.674312663 0.899529727 -6.900503626 stable

UGT2B15 0.012081619 3.569229048 0.423326545 0.674401971 0.899597842 -6.900556566 stable

IGSF9 -0.014270335 3.227668638 -0.423219137 0.674479658 0.89965045 -6.900602603 stable

DYNC1LI1 0.039143947 9.494636677 0.423109269 0.674559129 0.899655814 -6.900649682 stable

FCRL3 -0.070914154 9.184801368 -0.423104582 0.674562519 0.899655814 -6.90065169 stable

AMPD2 -0.036753171 10.73600779 -0.423054942 0.674598427 0.899655814 -6.900672957 stable

CARS -0.021078241 8.907414995 -0.422952302 0.674672674 0.899703819 -6.900716922 stable

LOC100506679 0.003816801 2.469161034 0.422688383 0.674863603 0.899740933 -6.900829923 stable

ARMCX5-GPRASP2 /// GPRASP2 0.054881907 4.986481297 0.422637387 0.674900498 0.899740933 -6.900851749 stable

LIPC -0.051178564 5.485807743 -0.422568766 0.674950145 0.899740933 -6.900881115 stable

COX6A2 0.000927092 2.332073302 0.422540799 0.67497038 0.899740933 -6.900893082 stable

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SNX20 0.045873835 5.709911349 0.422504377 0.674996732 0.899740933 -6.900908666 stable

FAM111B -0.004130353 2.601532883 -0.422501274 0.674998977 0.899740933 -6.900909993 stable

BC024169 0.000921961 2.059776837 0.422490841 0.675006526 0.899740933 -6.900914457 stable

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RP3-522P13.2 0.0265239 8.753531947 0.422090468 0.675296236 0.899917217 -6.901085668 stable

HNF4G 0.000999851 2.360063845 0.422054193 0.675322487 0.899917217 -6.901101172 stable

FAM221A 0.019639153 6.72311363 0.422043482 0.675330239 0.899917217 -6.90110575 stable

HK2 /// RP11-259N19.1 0.05201948 5.478012777 0.422008039 0.675355889 0.899917217 -6.901120898 stable

FKSG49 -0.042083096 10.28674592 -0.421990834 0.67536834 0.899917217 -6.90112825 stable

LOC101927196 0.004893851 3.297997055 0.421929188 0.675412953 0.899925682 -6.901154591 stable

CD4 -0.034284605 12.18196843 -0.421802912 0.675504343 0.899996468 -6.901208537 stable

PALM3 -0.001517877 2.57408852 -0.42157046 0.67567259 0.900032559 -6.901307799 stable

ESPN /// ESPNP 0.002140581 2.355587489 0.421567637 0.675674633 0.900032559 -6.901309004 stable

SCAMP5 0.066413331 5.101429904 0.421529617 0.675702153 0.900032559 -6.901325235 stable

SYNGR1 0.033795129 5.803749625 0.421443833 0.675764248 0.900032559 -6.901361849 stable

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CEL 0.023611642 2.964562336 0.421434055 0.675771326 0.900032559 -6.901366022 stable

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CDCA2 -0.030591118 4.585133766 -0.421256636 0.675899759 0.900032559 -6.901441724 stable

F7 -0.00860594 4.75209785 -0.421201365 0.675939772 0.900032559 -6.901465301 stable

TMPRSS13 0.028778538 4.362275566 0.421183994 0.675952347 0.900032559 -6.90147271 stable

PDCD1 0.015044566 3.855639553 0.421066293 0.676037558 0.900095064 -6.901522905 stable

PBK -0.037995592 2.80395251 -0.421006978 0.676080502 0.90010129 -6.901548195 stable

PI3 0.063841105 2.346204739 0.420723862 0.676285491 0.900269547 -6.901668859 stable

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LINC01282 0.000697639 2.205784522 0.420663837 0.676328955 0.900269547 -6.901694431 stable

C11orf52 /// HSPB2 /// HSPB2-C11orf52 -0.00287755 2.688482362 -0.420605303 0.67637134 0.900269547 -6.901719365 stable

KAZN -0.003608985 2.552865942 -0.42056813 0.676398258 0.900269547 -6.901735198 stable

RPL8 0.022007711 15.158638 0.420402148 0.676518456 0.900378578 -6.901805876 stable

ZNF583 -0.045842353 4.573042507 -0.420318683 0.676578902 0.900408077 -6.901841406 stable

SERTAD4-AS1 0.007275498 3.338518665 0.420123344 0.676720376 0.900492488 -6.901924534 stable

INO80B /// INO80B-WBP1 -0.024403527 9.060241079 -0.419978111 0.676825567 0.900492488 -6.901986313 stable

TDRG1 0.00637588 2.393080944 0.419967506 0.676833249 0.900492488 -6.901990824 stable

LOC101060424 /// LOC653786 /// OTOA 0.003772026 2.570723315 0.419932926 0.676858296 0.900492488 -6.90200553 stable

DDIT4L -0.001150029 2.246854357 -0.419925185 0.676863904 0.900492488 -6.902008822 stable

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SCIMP 0.005747815 3.512801651 0.419822087 0.676938583 0.900492488 -6.90205266 stable

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CENPBD1P1 /// RPL23AP7 -0.177933196 7.373082943 -0.419736863 0.677000318 0.900492488 -6.90208889 stable

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CMPK2 0.087502646 10.00644079 0.418643525 0.677792513 0.90105721 -6.902553033 stable

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BUB1 -0.092006419 3.58916319 -0.418056395 0.678218081 0.901360539 -6.902801786 stable

DSG4 0.001918956 2.758091533 0.418008731 0.678252633 0.901360539 -6.902821965 stable

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THOC5 -0.022430617 8.680295307 -0.417806466 0.678399268 0.901453544 -6.90290757 stable

PCTP 0.039858774 9.917611078 0.417636702 0.67852235 0.901471268 -6.902979388 stable

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EPN2 /// EPN2-IT1 0.02789607 3.144760197 0.416839555 0.679100417 0.901580767 -6.90331623 stable

UQCRC1 -0.033613935 11.42980477 -0.416696312 0.679204314 0.901580767 -6.903376692 stable

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AMACR 0.036369989 3.539682536 0.41657761 0.679290415 0.901580767 -6.903426779 stable

CNTD1 0.000786603 2.217006343 0.416568943 0.679296702 0.901580767 -6.903430435 stable

HRH4 -0.044801456 2.838757799 -0.416532128 0.679323407 0.901580767 -6.903445966 stable

RP11-108L7.15 0.002142489 2.934265459 0.416529771 0.679325116 0.901580767 -6.903446961 stable

AK4 /// LOC100507855 -0.02465001 3.938178318 -0.416506756 0.679341811 0.901580767 -6.903456669 stable

MCAT 0.049654 7.154239114 0.416331207 0.679469159 0.901580767 -6.903530705 stable

CCND1 -0.004923007 3.132795293 -0.416317331 0.679479225 0.901580767 -6.903536556 stable

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PPAN /// PPAN-P2RY11 0.020457567 7.880735833 0.41623573 0.679538424 0.901580767 -6.903570958 stable

GATAD2B -0.033175032 9.386852949 -0.416194583 0.679568276 0.901580767 -6.903588303 stable

ZYG11B -0.020862873 9.780961997 -0.415836293 0.679828232 0.901788804 -6.903739263 stable

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SMARCE1 -0.02743933 11.93679783 -0.41569517 0.679930634 0.901817744 -6.903798687 stable

BCAP29 -0.020181118 7.638343233 -0.415658443 0.679957285 0.901817744 -6.903814149 stable

CARD9 /// DNLZ -0.08792304 7.431697729 -0.415631353 0.679976944 0.901817744 -6.903825553 stable

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CNN2P10 /// CNN2P10 0.014605917 4.240094471 0.415312454 0.680208373 0.901972102 -6.903959742 stable

SLC5A5 -0.027082618 6.022070949 -0.415181352 0.680303525 0.902047422 -6.904014878 stable

HTR1D 0.001347592 2.56969655 0.415102697 0.680360614 0.902072266 -6.904047949 stable

HYAL2 0.025904761 7.021046711 0.414744159 0.680620871 0.902348017 -6.90419862 stable

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PLEKHG6 0.008982631 2.388053184 0.414561094 0.68075377 0.902387679 -6.904275501 stable

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OPALIN -0.000800692 1.836619504 -0.414457892 0.680828696 0.902387679 -6.904318828 stable

RHOH 0.049965166 11.34109681 0.414404335 0.68086758 0.902388367 -6.904341308 stable

NXPE4 0.000806641 2.449493836 0.414285879 0.680953587 0.902405981 -6.904391019 stable

DROSHA 0.021103666 9.446688509 0.414280349 0.680957602 0.902405981 -6.904393339 stable

SNTB1 -0.043490071 8.383118391 -0.4141913 0.68102226 0.902412071 -6.904430699 stable

LOC100505666 0.01852367 3.142187766 0.414168342 0.68103893 0.902412071 -6.90444033 stable

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RAD52 0.076341767 6.325464389 0.413804542 0.681303111 0.902603686 -6.90459287 stable

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LOC101927884 0.000694256 2.152178977 0.413704988 0.681375411 0.902603686 -6.904634589 stable

TSPAN6 -0.027017443 2.564478493 -0.413642082 0.681421098 0.902613372 -6.904660946 stable

C12orf40 0.001268406 2.799015048 0.413509358 0.681517495 0.902690224 -6.904716542 stable

MSH4 0.001705021 2.742418586 0.413327046 0.681649917 0.902814781 -6.904792881 stable

TMEM205 -0.05114925 9.794638323 -0.413150492 0.681778166 0.902862304 -6.904866777 stable

LBX1-AS1 0.00465731 3.394043026 0.413098715 0.681815779 0.902862304 -6.904888442 stable

HNRNPR 0.014509925 11.17525828 0.413073705 0.681833948 0.902862304 -6.904898906 stable

HMGB3P19 /// HMGB3P19 -0.003579487 3.240734903 -0.412995351 0.681890868 0.902862304 -6.904931685 stable

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CRABP1 0.00053334 1.8947147 0.412907769 0.681954496 0.902862304 -6.904968316 stable

LOC101928590 0.000754555 2.325639265 0.412727919 0.682085162 0.902984471 -6.905043516 stable

LOC101060464 /// LOC101929858 /// LOC101930165 /// LOC101930171 /// TCEB3C /// TCEB3CL /// TCEB3CL2 0.003387865 3.214588481 0.412645813 0.682144818 0.903012622 -6.905077836 stable

S100A11P1 /// S100A11P1 0.04117567 10.86130835 0.412495258 0.682254212 0.903050437 -6.905140749 stable

LOC101929552 0.001728218 2.801536105 0.412336773 0.682369376 0.903050437 -6.905206951 stable

CLEC4G -0.06508771 3.533470156 -0.412274601 0.682414555 0.903050437 -6.905232915 stable

GS1-24F4.2 0.002648029 3.198823996 0.412125588 0.682522846 0.903050437 -6.905295128 stable

TMEM200C -0.001311662 2.812136231 -0.412124239 0.682523827 0.903050437 -6.905295692 stable

LOC286059 0.003696886 3.097507166 0.412104201 0.682538389 0.903050437 -6.905304056 stable

SLC35F3 0.039729646 3.573105503 0.412081407 0.682554955 0.903050437 -6.90531357 stable

CYTH1 0.02493803 10.68043876 0.411989101 0.68262204 0.903050437 -6.905352093 stable

WBP4 0.020914885 7.365224293 0.411977905 0.682630177 0.903050437 -6.905356765 stable

LIPI 0.002092467 2.793990521 0.411962632 0.682641278 0.903050437 -6.905363138 stable

MAP2K5 0.031143545 7.707290102 0.411916674 0.682674679 0.903050437 -6.905382313 stable

LOC102723918 -0.096193192 3.580711645 -0.411897723 0.682688453 0.903050437 -6.90539022 stable

FIRRE 0.001447723 2.371875769 0.411890456 0.682693735 0.903050437 -6.905393251 stable

SSH3 -0.025667589 6.986217582 -0.411866852 0.682710891 0.903050437 -6.905403099 stable

CDK20 0.014074425 5.260776318 0.411752271 0.682794173 0.903109809 -6.905450892 stable

STX5 0.031129132 8.548737818 0.41143215 0.68302687 0.903316239 -6.905584348 stable

MIR4315-1 /// MIR4315-2 /// MIR6080 /// PLEKHM1 /// PLEKHM1P -0.020080974 7.662193651 -0.411431899 0.683027053 0.903316239 -6.905584453 stable

LOC102724094 0.015455936 5.380937928 0.411243119 0.683164293 0.903402962 -6.905663105 stable

TCEB1P3 /// TCEB1P3 0.004702276 3.38555207 0.411236034 0.683169443 0.903402962 -6.905666056 stable

RP5-1027O15.1 0.003147511 2.951596685 0.410933507 0.683389399 0.90361263 -6.905792024 stable

LOC100505853 -0.001317841 2.549596664 -0.41091228 0.683404833 0.90361263 -6.905800859 stable

NLRP13 0.000740966 2.241541406 0.410829979 0.683464677 0.903640959 -6.90583511 stable

PLA2G1B -0.002991035 3.347769453 -0.410571534 0.683652611 0.903764956 -6.905942623 stable

WDR86 -0.000910152 2.336095186 -0.410552788 0.683666244 0.903764956 -6.905950418 stable

CCNC -0.024948577 3.681890372 -0.410488306 0.683713138 0.903764956 -6.905977231 stable

COPG1 0.044614526 8.705098847 0.410468884 0.683727262 0.903764956 -6.905985307 stable

IL23A /// TCRBV10S1P /// TRBV21-1 /// TRBV21-1 -0.050290428 3.733294426 -0.410435426 0.683751594 0.903764956 -6.905999216 stable

HBM -0.136917038 3.966216875 -0.410370266 0.683798983 0.903764956 -6.906026303 stable

PKD2L2 0.012375013 3.728676431 0.410289319 0.683857855 0.903764956 -6.906059947 stable

LOC285422 0.002175954 2.854128187 0.410159131 0.683952544 0.903764956 -6.906114043 stable

RP11-471G13.5 -0.003457387 2.861751042 -0.410155253 0.683955364 0.903764956 -6.906115654 stable

LOC286058 0.001807559 2.361319777 0.410046162 0.684034713 0.903764956 -6.90616097 stable

FAM171A2 -0.002180282 3.055007646 -0.410026353 0.684049122 0.903764956 -6.906169197 stable

KCTD3 0.046385032 5.003823418 0.40998834 0.684076772 0.903764956 -6.906184984 stable

IPO11 /// LRRC70 0.050946314 5.702063404 0.409954146 0.684101645 0.903764956 -6.906199184 stable

ZBTB7C 0.000969752 2.441795393 0.409933895 0.684116375 0.903764956 -6.906207592 stable

LRPAP1 0.030738709 9.821440741 0.409899987 0.684141041 0.903764956 -6.906221671 stable

CD81-AS1 0.001369009 2.57828283 0.409855721 0.684173241 0.903764956 -6.90624005 stable

LDHC -0.016026713 2.802998676 -0.409591149 0.684365711 0.903956208 -6.906349851 stable

EFNB1 0.022271201 5.556595327 0.409551044 0.684394888 0.903956208 -6.906366489 stable

OR6A2 0.000554191 2.072481369 0.409466426 0.684456451 0.903986758 -6.906401589 stable

LOC100288181 0.000525333 1.892169298 0.409403593 0.684502166 0.903987293 -6.906427648 stable

FAM107A -0.002733575 2.787673533 -0.409360221 0.684533722 0.903987293 -6.906445633 stable

NEK6 /// RP11-121A14.3 -0.003316653 2.561913955 -0.409240861 0.684620569 0.904051224 -6.906495119 stable

FDXR 0.044589138 5.998479444 0.40910475 0.68471961 0.904119183 -6.906551532 stable

UFD1L -0.013933125 11.16632813 -0.409064482 0.684748911 0.904119183 -6.906568218 stable

PID1 0.069036615 8.81747161 0.408871249 0.684889528 0.904186743 -6.906648266 stable

VSNL1 0.001340294 2.607713713 0.408839614 0.68491255 0.904186743 -6.906661368 stable

IRX4 0.00109306 2.317155764 0.408835692 0.684915404 0.904186743 -6.906662992 stable

ATP1A4 0.000592779 2.162478277 0.408575062 0.685105087 0.904340086 -6.906770891 stable

SYTL4 0.00406353 3.135695032 0.408570432 0.685108456 0.904340086 -6.906772807 stable

TNFRSF14 0.019511905 10.16327114 0.408443276 0.685201006 0.904381942 -6.906825424 stable

AXDND1 0.003600275 3.120156543 0.408410678 0.685224733 0.904381942 -6.90683891 stable

RP11-218F4.1 -0.00236669 2.424727992 -0.408368389 0.685255515 0.904381942 -6.906856404 stable

MUL1 0.039470325 7.558246307 0.408282231 0.685318229 0.904413964 -6.90689204 stable

TCN2 0.059092888 4.429074827 0.408178784 0.685393531 0.904437556 -6.906934817 stable

LOC101929524 -0.002830296 3.115324698 -0.408119423 0.685436743 0.904437556 -6.906959359 stable

SPESP1 0.003470737 2.975571823 0.408097342 0.685452817 0.904437556 -6.906968487 stable

SLC35F1 -0.002184772 2.417712613 -0.408041135 0.685493735 0.904437556 -6.906991721 stable

RP11-10K16.1 0.004309909 3.061054608 0.407944236 0.685564278 0.904437556 -6.907031767 stable

KCTD13 -0.016012129 7.935229481 -0.407899318 0.685596979 0.904437556 -6.907050328 stable

ALCAM -0.03933861 4.487824728 -0.407887926 0.685605273 0.904437556 -6.907055035 stable

LOC101928881 -0.007952497 3.374299442 -0.407743866 0.685710156 0.904482009 -6.907114546 stable

LOC220077 -0.00368364 2.792525407 -0.407736006 0.685715879 0.904482009 -6.907117793 stable

LOC100506606 -0.11454456 4.922640366 -0.407549558 0.685851633 0.904610344 -6.907194782 stable

WFDC6 0.001693293 2.61088113 0.407482124 0.685900735 0.90462438 -6.907222619 stable

TENM2 -0.00136691 2.739107597 -0.40739929 0.685961052 0.904639217 -6.907256807 stable

DQ599616 0.005575687 2.445588138 0.407258833 0.686063333 0.904639217 -6.907314761 stable

MFI2-AS1 0.000740909 2.278714055 0.40724921 0.686070341 0.904639217 -6.907318731 stable

MIR6732 /// ZC3H12A -0.038475766 7.97170154 -0.407174579 0.68612469 0.904639217 -6.907349515 stable

DIS3 -0.020047194 8.008377986 -0.407123548 0.686161853 0.904639217 -6.907370562 stable

ZNF500 -0.02608763 7.372925313 -0.407099055 0.686179691 0.904639217 -6.907380663 stable

POLR2J /// POLR2J2 /// POLR2J3 /// POLR2J4 /// UPK3BL -0.051090237 10.46615655 -0.407096967 0.686181212 0.904639217 -6.907381524 stable

GABBR1 /// UBD -0.001174539 2.452756472 -0.406994767 0.686255643 0.904650344 -6.907423664 stable

A2MP1 -0.003848653 2.397461313 -0.406966605 0.686276153 0.904650344 -6.907435274 stable

MIPEP -0.022238352 6.308420194 -0.406902076 0.686323151 0.904650344 -6.907461874 stable

ADHFE1 0.047703761 8.144421654 0.406849253 0.686361624 0.904650344 -6.907483645 stable

CDH9 -0.000932943 2.656679292 -0.406784458 0.686408818 0.904650344 -6.907510347 stable

BHLHE23 0.00087944 2.451176303 0.40676853 0.68642042 0.904650344 -6.907516911 stable

KIAA1598 -0.091888422 9.598586443 -0.406545954 0.686582545 0.904805108 -6.907608598 stable

ANKDD1A -0.062959046 4.591180737 -0.406479339 0.686631071 0.904805108 -6.90763603 stable

HMOX1 0.079918325 10.67798916 0.406448888 0.686653254 0.904805108 -6.907648568 stable

INPP5J -0.001261568 2.414034676 -0.406300616 0.686761269 0.904896745 -6.907709605 stable

DSTYK 0.021144276 4.792005802 0.406038424 0.686952289 0.905061103 -6.907817483 stable

NTRK1 -0.00108897 2.401549137 -0.405994178 0.686984527 0.905061103 -6.907835681 stable

GTF2F1 -0.017932675 9.019187996 -0.405739069 0.687170411 0.905061103 -6.907940567 stable

DYRK3 0.000823242 2.214219141 0.405646919 0.68723756 0.905061103 -6.907978438 stable

ZNF224 -0.048031243 9.279593019 -0.40563397 0.687246996 0.905061103 -6.907983759 stable

RP11-1007O24.3 -0.00333328 2.555722354 -0.405593641 0.687276385 0.905061103 -6.90800033 stable

LOC102723742 0.00268768 2.559583392 0.40554241 0.687313718 0.905061103 -6.908021378 stable

LOC101930149 /// LOC101930286 0.001707413 2.633093783 0.405499224 0.68734519 0.905061103 -6.908039119 stable

WDR41 0.057779218 9.168034655 0.405450365 0.687380797 0.905061103 -6.908059188 stable

CCDC80 0.002930852 2.474580744 0.405364571 0.687443322 0.905061103 -6.908094421 stable

LOC101928443 0.000639432 2.254653346 0.405336775 0.68746358 0.905061103 -6.908105835 stable

ZNF440 0.017231144 4.341930891 0.405324462 0.687472554 0.905061103 -6.908110891 stable

ATF7IP2 -0.045436936 8.689732251 -0.405274717 0.687508809 0.905061103 -6.908131315 stable

FXYD2 -0.011125225 2.958112537 -0.405165905 0.687588115 0.905061103 -6.908175982 stable

MLIP 0.000535698 1.93267124 0.405117224 0.687623597 0.905061103 -6.908195961 stable

SLC16A1-AS1 -0.003433455 2.151396776 -0.404989237 0.687716886 0.905061103 -6.908248478 stable

AK125860 /// RP11-582J16.4 -0.001119682 2.344158332 -0.404979116 0.687724263 0.905061103 -6.90825263 stable

TCIRG1 0.040383419 11.15505289 0.404960374 0.687737924 0.905061103 -6.908260319 stable

C1QTNF2 0.000572977 2.118348983 0.404930213 0.687759909 0.905061103 -6.908272691 stable

LOC101928893 -0.009022466 3.379321406 -0.404921347 0.687766372 0.905061103 -6.908276328 stable

GCOM1 /// POLR2M -0.016118949 9.927747297 -0.40490095 0.68778124 0.905061103 -6.908284695 stable

CASKIN2 0.008816027 3.472685276 0.404893974 0.687786325 0.905061103 -6.908287556 stable

RNF38 -0.012687935 11.52929 -0.404893519 0.687786657 0.905061103 -6.908287743 stable

WDR62 -0.02396842 3.804231736 -0.404862184 0.687809498 0.905061103 -6.908300595 stable

EFCAB11 0.009714532 3.539806173 0.404758935 0.687884763 0.905109505 -6.908342935 stable

SNRK 0.030110633 2.457708884 0.404361626 0.688174417 0.905386639 -6.908505765 stable

BOLA2 /// SMG1P2 /// SMG1P5 0.039467265 10.48196132 0.404333342 0.688195039 0.905386639 -6.908517351 stable

FBXW12 -0.001328292 2.615308052 -0.404229773 0.688270553 0.905386639 -6.908559767 stable

PAXBP1-AS1 0.001993202 2.414304834 0.404162142 0.688319866 0.905386639 -6.90858746 stable

BPY2 -0.00130433 2.416084673 -0.404126425 0.68834591 0.905386639 -6.908602083 stable

C16orf59 0.000782295 2.183166313 0.40406472 0.688390904 0.905386639 -6.908627343 stable

GAREML 0.020890173 3.768537087 0.40399148 0.68844431 0.905386639 -6.90865732 stable

PABPC1L2A /// PABPC1L2B 0.002693277 3.344307187 0.403990706 0.688444875 0.905386639 -6.908657637 stable

FOXL2 0.001482748 2.846656766 0.403960976 0.688466554 0.905386639 -6.908669804 stable

ARMC2 0.010842425 2.980782873 0.403923344 0.688493997 0.905386639 -6.908685203 stable

OSBPL1A 0.014542035 2.817240961 0.403845356 0.688550869 0.905386639 -6.908717112 stable

NPIPB15 -0.10518695 9.407020664 -0.40381288 0.688574552 0.905386639 -6.908730398 stable

LINC00674 0.039424088 4.992865423 0.403754577 0.688617071 0.905386639 -6.908754247 stable

KLF13 0.034157455 9.129782304 0.403730976 0.688634283 0.905386639 -6.9087639 stable

TADA1 0.005402304 2.971715198 0.403601134 0.688728978 0.905431761 -6.908816997 stable

CNBD2 -0.005656311 2.938676856 -0.403578354 0.688745592 0.905431761 -6.908826311 stable

MRPS16 0.02935821 8.711340661 0.403478164 0.688818665 0.905477215 -6.908867267 stable

LOC554206 0.042459501 4.903324513 0.403411747 0.688867108 0.90549029 -6.908894413 stable

HOXD4 -0.001189696 2.351977596 -0.403338868 0.688920266 0.90550956 -6.908924194 stable

NOSTRIN 0.000892129 2.494900828 0.403057517 0.689125497 0.905564302 -6.909039116 stable

RP11-350F4.2 -0.031490986 7.960340308 -0.403038084 0.689139673 0.905564302 -6.909047051 stable

TLR9 -0.073694412 7.439442751 -0.402910205 0.689232963 0.905564302 -6.909099256 stable

MSI2 -0.043594775 4.015077532 -0.4028284 0.689292644 0.905564302 -6.909132643 stable

CHID1 0.026810348 7.742728942 0.40277179 0.689333944 0.905564302 -6.909155744 stable

LOC100128993 0.000997894 2.108946347 0.40273854 0.689358203 0.905564302 -6.90916931 stable

COL24A1 0.00178004 2.773669152 0.402729955 0.689364467 0.905564302 -6.909172813 stable

C11orf73 -0.029770377 8.736486416 -0.402676589 0.689403402 0.905564302 -6.909194584 stable

ZMIZ1-AS1 -0.001836177 2.902917338 -0.402600884 0.689458638 0.905564302 -6.909225465 stable

LOC100506730 0.025090825 4.047371912 0.402378694 0.689620761 0.905564302 -6.909316063 stable

COQ9 -0.026759929 9.675177569 -0.402374277 0.689623984 0.905564302 -6.909317864 stable

STK32C 0.054278509 6.756664401 0.402356395 0.689637032 0.905564302 -6.909325153 stable

SFTPA1 /// SFTPA2 -0.00103165 2.502597063 -0.402345733 0.689644813 0.905564302 -6.909329499 stable

STIM1 -0.064635209 7.631461077 -0.402343856 0.689646183 0.905564302 -6.909330264 stable

UVSSA -0.035619452 7.244287391 -0.402324728 0.68966014 0.905564302 -6.90933806 stable

LOC100996385 -0.019263492 2.806362156 -0.40232369 0.689660898 0.905564302 -6.909338483 stable

DQ573539 /// SNX18P3 /// SNX18P3 0.003135527 3.115651259 0.402310575 0.689670468 0.905564302 -6.909343829 stable

BMP7 0.003437258 2.645275757 0.402217395 0.689738464 0.905564302 -6.909381802 stable

LOC101928157 0.000742413 2.375340758 0.402175941 0.689768715 0.905564302 -6.909398693 stable

AVPR1A -0.020113023 2.795770166 -0.402161451 0.68977929 0.905564302 -6.909404597 stable

CXCL2 0.008636909 3.433704174 0.402098748 0.689825048 0.905564302 -6.909430141 stable

NSDHL 0.038483502 6.256842839 0.402096376 0.689826779 0.905564302 -6.909431107 stable

C3P1 -0.006548637 2.681818623 -0.402068093 0.68984742 0.905564302 -6.909442628 stable

UBL7 -0.023666423 9.715829707 -0.401991108 0.689903603 0.905587513 -6.909473983 stable

AC005162.4 0.022341722 4.514830475 0.401923616 0.68995286 0.905601631 -6.909501467 stable

CALB1 0.00138014 2.674341655 0.401780813 0.690057086 0.905618442 -6.909559604 stable

UGCG -0.048095604 10.52744057 -0.401757344 0.690074215 0.905618442 -6.909569156 stable

LOC101929268 0.00058615 2.100737058 0.401638825 0.690160722 0.905618442 -6.909617389 stable

GLTPD2 0.000759453 2.28128427 0.401592542 0.690194505 0.905618442 -6.90963622 stable

ZIC3 0.000916855 2.241393491 0.40157806 0.690205076 0.905618442 -6.909642112 stable

ERLIN2 -0.042087071 7.63818838 -0.401537709 0.69023453 0.905618442 -6.909658527 stable

TSPO2 0.001669543 2.516022752 0.40153681 0.690235186 0.905618442 -6.909658893 stable

LOC101928937 0.001056518 2.55647045 0.401039821 0.690597998 0.905986009 -6.909860941 stable

LOC101926959 0.001324182 2.443106646 0.400971073 0.690648192 0.905986009 -6.909888871 stable

NAP1L4 -0.041021041 6.559026671 -0.400945395 0.69066694 0.905986009 -6.909899302 stable

WAC 0.012931721 11.95616985 0.400896938 0.69070232 0.905986009 -6.909918984 stable

GOLGA2P2Y /// GOLGA2P3Y -0.010112434 3.439207734 -0.400879466 0.690715077 0.905986009 -6.90992608 stable

LOC100134445 /// LOC100288778 /// LOC100653296 /// WASH1 /// WASH2P /// WASH3P /// WASH5P /// WASH7P 0.051410214 8.09512824 0.400836507 0.690746443 0.905986009 -6.909943526 stable

MIS18BP1 -0.03883092 8.10848849 -0.400607049 0.690913991 0.906025131 -6.91003668 stable

RP11-158G18.1 0.12165599 9.502713161 0.400572913 0.690938918 0.906025131 -6.910050534 stable

RP11-953B20.1 -0.000701244 2.276511146 -0.400559621 0.690948625 0.906025131 -6.910055928 stable

LOC284912 /// MB 0.008242149 4.76342523 0.400526338 0.69097293 0.906025131 -6.910069435 stable

LYRM5 -0.026249678 10.24603635 -0.40048271 0.69100479 0.906025131 -6.910087137 stable

HFE2 0.001699048 2.888937429 0.400479149 0.69100739 0.906025131 -6.910088582 stable

LOC102724587 0.01007148 2.467832562 0.400321481 0.691122533 0.906099229 -6.91015254 stable

SMS -0.025888929 10.085613 -0.40024087 0.691181405 0.906099229 -6.910185231 stable

NAIP -0.066873437 10.21523832 -0.400209457 0.691204347 0.906099229 -6.910197968 stable

AKT1 0.022455425 10.03467243 0.400190769 0.691217995 0.906099229 -6.910205545 stable

TESC 0.067995038 8.868515077 0.400130408 0.691262081 0.90610652 -6.910230016 stable

ANKRD9 -0.038112713 2.980374302 -0.400064325 0.691310346 0.906111186 -6.910256803 stable

LOC101929180 0.001032315 2.014523794 0.400020047 0.691342687 0.906111186 -6.910274748 stable

RP11-416I2.1 0.000561393 2.129070604 0.39992592 0.691411438 0.906150802 -6.910312891 stable

RP11-315F22.1 -0.008969643 2.640381054 -0.399786003 0.691513641 0.906189163 -6.910369572 stable

RBFOX1 0.000588154 2.096092851 0.39978036 0.691517763 0.906189163 -6.910371857 stable

BOLA3 0.031041353 9.484091167 0.399727486 0.691556386 0.90618929 -6.910393272 stable

NATD1 0.014163945 3.845351269 0.399614852 0.691638666 0.906246619 -6.910438879 stable

AX747507 0.029621123 4.396707673 0.399508279 0.691716522 0.906298145 -6.910482021 stable

LOC101928817 -0.00079087 2.25685171 -0.399366364 0.691820201 0.906383499 -6.910539452 stable

DNAJA4 0.058957439 5.434739324 0.399312744 0.691859376 0.906384337 -6.910561146 stable

PCDHA9 -0.009745447 3.588655836 -0.39920691 0.691936701 0.906435151 -6.910603957 stable

LPAL2 0.003344525 2.646019501 0.399096824 0.692017136 0.906490035 -6.910648475 stable

CGB7 /// NTF4 0.000902028 2.493115753 0.39903055 0.692065562 0.906502984 -6.910675271 stable

TLN2 -0.00151596 2.402249752 -0.398771465 0.692254884 0.906594126 -6.910779979 stable

CATSPERG 0.000776028 2.159231978 0.398760758 0.692262709 0.906594126 -6.910784305 stable

EVC 0.004996593 3.100319284 0.398739342 0.692278359 0.906594126 -6.910792956 stable

RP11-111K18.2 0.008238687 2.277033845 0.39869754 0.692308907 0.906594126 -6.910809843 stable

LINC01213 0.001639297 2.733158073 0.3986716 0.692327864 0.906594126 -6.910820321 stable

LINC00482 -0.012628217 5.379808959 -0.398357305 0.692557566 0.906772933 -6.91094722 stable

ZSCAN23 0.001007457 2.617552824 0.39828918 0.692607359 0.906772933 -6.910974713 stable

ZNF252P -0.04980969 6.311939733 -0.398247758 0.692637636 0.906772933 -6.910991427 stable

NPW 0.000736493 2.240714292 0.398226285 0.692653331 0.906772933 -6.911000091 stable

EPB41 -0.037904322 9.420959771 -0.398221033 0.69265717 0.906772933 -6.91100221 stable

AGAP11 -0.002318456 2.707770332 -0.398030083 0.692796748 0.906905182 -6.911079233 stable

CREB1 0.017409992 9.762148768 0.397882245 0.69290482 0.906956372 -6.911138841 stable

ATP5G2 -0.002648363 2.187744221 -0.397871094 0.692912972 0.906956372 -6.911143336 stable

CNDP1 0.000549659 2.082787461 0.397723692 0.693020731 0.906993238 -6.911202745 stable

LINC00597 0.079656516 5.47303073 0.397696363 0.693040712 0.906993238 -6.911213757 stable

RGL3 -0.004243236 3.077128575 -0.397611343 0.69310287 0.906993238 -6.911248011 stable

TMEM143 0.001858785 2.893723873 0.39758519 0.693121991 0.906993238 -6.911258546 stable

SNTA1 -0.053610343 4.833847836 -0.397568844 0.693133942 0.906993238 -6.911265131 stable

SSMEM1 0.001005684 2.391705384 0.397500658 0.693183795 0.906995259 -6.911292594 stable

ATP1A3 /// LOC101927137 0.010169147 3.18468592 0.397380553 0.693271612 0.906995259 -6.911340958 stable

CD300LB 0.064350841 9.297592047 0.39724065 0.69337391 0.906995259 -6.911397275 stable

AMD1 -0.026760294 10.76283013 -0.39723908 0.693375059 0.906995259 -6.911397908 stable

SORCS1 0.000963733 2.163065769 0.39718665 0.693413397 0.906995259 -6.911419008 stable

MS4A6A 0.067515803 12.3925905 0.397098709 0.693477705 0.906995259 -6.911454394 stable

TAAR8 0.001334606 2.703248841 0.397017221 0.693537296 0.906995259 -6.911487176 stable

RPS4Y1 0.001113013 2.416980733 0.396958276 0.693580402 0.906995259 -6.911510885 stable

NTHL1 -0.035620579 7.129139607 -0.39685392 0.69365672 0.906995259 -6.911552851 stable

UBBP1 /// UBBP1 /// UBBP4 /// UBBP4 -0.036773496 7.971077761 -0.396795176 0.693699683 0.906995259 -6.911576469 stable

RP11-1217F2.1 0.008284987 3.157332083 0.396767327 0.693720051 0.906995259 -6.911587665 stable

CCDC163P -0.039386838 3.240158184 -0.39672357 0.693752054 0.906995259 -6.911605255 stable

OVOL1-AS1 0.009075846 2.463162905 0.396711378 0.693760971 0.906995259 -6.911610155 stable

OVOL1 0.000888454 2.255916813 0.396707539 0.693763778 0.906995259 -6.911611698 stable

YIF1A -0.026094991 8.557800012 -0.396686862 0.693778901 0.906995259 -6.911620009 stable

ELP2 0.026838001 8.707740689 0.396679189 0.693784513 0.906995259 -6.911623093 stable

LOC729970 -0.000998403 2.457918773 -0.396670286 0.693791025 0.906995259 -6.911626671 stable

FAM66C /// LOC101928910 -0.002068471 2.315849715 -0.396510469 0.693907918 0.90707757 -6.911690889 stable

PYCRL -0.013552148 3.071255827 -0.396478753 0.693931117 0.90707757 -6.911703631 stable

LOC102723380 -0.000532657 1.991796868 -0.396380985 0.694002631 0.907120638 -6.9117429 stable

PLD1 0.004658129 2.795340849 0.396209476 0.694128092 0.907170701 -6.911811766 stable

NSMCE2 -0.018704918 9.103310599 -0.396174462 0.694153705 0.907170701 -6.911825822 stable

OR2H2 0.004137003 2.553329825 0.396170454 0.694156637 0.907170701 -6.911827431 stable

TGM2 -0.044791814 3.228799048 -0.39607539 0.694226182 0.90720341 -6.911865585 stable

BPTF -0.030914112 10.22363029 -0.396027957 0.694260883 0.90720341 -6.911884619 stable

C9orf47 0.068699358 2.417375277 0.395978075 0.694297376 0.90720341 -6.911904633 stable

MAP3K2 -0.043002489 6.055837395 -0.395710897 0.694492855 0.907385134 -6.912011792 stable

LINC00317 0.002830639 2.929017345 0.395682535 0.694513608 0.907385134 -6.912023163 stable

KIAA1804 0.051811149 3.276453204 0.395571707 0.694594701 0.907418466 -6.912067589 stable

SPAG5-AS1 -0.015615259 3.866142164 -0.395503761 0.694644419 0.907418466 -6.91209482 stable

LZTS1 -0.002312035 2.8759216 -0.39543731 0.694693045 0.907418466 -6.912121446 stable

COA3 0.031616534 10.08893219 0.395359571 0.694749932 0.907418466 -6.91215259 stable

BATF3 0.087746061 6.707195844 0.39527975 0.694808345 0.907418466 -6.912184563 stable

DGCR12 0.001946134 2.29008346 0.395257304 0.694824771 0.907418466 -6.912193552 stable

MPDU1 -0.015975945 3.445658363 -0.395256132 0.694825629 0.907418466 -6.912194022 stable

RNF144A-AS1 0.001013259 1.722358706 0.395225901 0.694847752 0.907418466 -6.912206128 stable

HSPB9 0.001722942 2.664971366 0.395077899 0.694956067 0.90750953 -6.912265385 stable

OR51I1 -0.000545807 1.991246441 -0.394954358 0.695046485 0.907577216 -6.912314832 stable

LHX1 -0.002479461 2.864178124 -0.394682295 0.69524562 0.907739403 -6.912423669 stable

TRIM36 -0.000618406 2.097342129 -0.394578732 0.695321429 0.907739403 -6.912465079 stable

PTAFR -0.074456433 7.807771494 -0.394492606 0.695384475 0.907739403 -6.912499508 stable

POU4F3 0.001616437 2.541696544 0.394489619 0.695386662 0.907739403 -6.912500702 stable

OPTC -0.007681676 3.360204553 -0.394471901 0.695399632 0.907739403 -6.912507784 stable

B3GNT7 0.001545014 2.322791934 0.394438853 0.695423825 0.907739403 -6.912520993 stable

CAPN10 -0.018069092 9.068132008 -0.394355089 0.695485146 0.907739403 -6.912554467 stable

UBE2A 0.020270251 10.24893384 0.394332478 0.695501699 0.907739403 -6.912563501 stable

GLTSCR2 /// SNORD23 -0.015841615 14.81879791 -0.394262698 0.695552785 0.907739403 -6.91259138 stable

INHBA-AS1 -0.005300755 2.584684724 -0.394188132 0.695607376 0.907739403 -6.912621165 stable

C2orf73 -0.001686101 3.072780611 -0.39417214 0.695619085 0.907739403 -6.912627552 stable

PRPF18 -0.01287268 2.513600045 -0.394152033 0.695633805 0.907739403 -6.912635582 stable

LOC728690 0.00282799 3.571409965 0.394084044 0.695683584 0.907753998 -6.912662733 stable

CD59 -0.044888488 8.508893067 -0.393974668 0.695763667 0.907808132 -6.912706402 stable

VSIG10L 0.047265844 2.672832059 0.393879232 0.695833545 0.907848947 -6.912744495 stable

CALML4 0.001762877 2.887376502 0.393797767 0.695893197 0.907876415 -6.912777004 stable

KIF1C -0.026972451 8.256102263 -0.393677007 0.695981625 0.907934046 -6.912825182 stable

RNF123 -0.017443747 8.670215917 -0.393582303 0.696050976 0.907934046 -6.912862955 stable

MRPS22 0.019892269 9.785202361 0.393579301 0.696053175 0.907934046 -6.912864152 stable

PCDP1 0.000548684 1.725903266 0.393458378 0.69614173 0.90794715 -6.912912369 stable

C21orf128 0.001067661 2.67433955 0.3934519 0.696146475 0.90794715 -6.912914951 stable

BEST2 0.005445363 2.280192918 0.393407453 0.696179025 0.90794715 -6.91293267 stable

RNF175 -0.042383486 5.639310876 -0.393323969 0.696240166 0.907957486 -6.912965945 stable

LOC100131655 0.000630841 2.169671075 0.393258886 0.696287833 0.907957486 -6.912991881 stable

BLVRA 0.071605116 8.731563018 0.39323851 0.696302757 0.907957486 -6.913000001 stable

GINS1 0.061006431 4.301768508 0.393173222 0.696350575 0.907969504 -6.913026013 stable

FAM127A 0.029442496 10.0607452 0.393106805 0.696399221 0.907982598 -6.91305247 stable

FFAR4 -0.002412551 3.229512546 -0.392928139 0.69653009 0.908059253 -6.913123621 stable

PKP3 -0.000606536 2.213750673 -0.392909807 0.696543518 0.908059253 -6.91313092 stable

RP11-329B9.5 -0.002239211 2.265534037 -0.392868423 0.696573832 0.908059253 -6.913147395 stable

BC034423 /// RP11-966I7.2 -0.00115937 2.355578768 -0.392726001 0.696678162 0.908144927 -6.913204081 stable

CALCRL 0.036935918 4.286159703 0.392408295 0.696910916 0.908397986 -6.913330458 stable

FTSJ1 -0.015814779 10.3618844 -0.392243809 0.697031432 0.908504727 -6.913395848 stable

KYNU 0.0803478 9.843956012 0.392134203 0.697111742 0.908559056 -6.913439405 stable

KCNG2 0.000931537 2.404490492 0.39180644 0.697351921 0.908821728 -6.913569587 stable

GABRR3 0.003193189 2.995486286 0.391648831 0.697467426 0.908884845 -6.913632147 stable

TCHP -0.022154943 8.823287632 -0.391607897 0.697497425 0.908884845 -6.913648392 stable

DFFB 0.026359318 8.207341226 0.391582176 0.697516276 0.908884845 -6.913658598 stable

TMEM161B-AS1 0.001962713 2.807536279 0.391361283 0.697678175 0.90894377 -6.913746221 stable

RP11-489G11.3 0.00519854 3.809759868 0.391358615 0.697680131 0.90894377 -6.91374728 stable

ARC -0.000950688 2.202309 -0.391320417 0.697708129 0.90894377 -6.913762427 stable

BTF3P11 -0.004713866 3.000084092 -0.391285452 0.697733757 0.90894377 -6.913776291 stable

GPER1 -0.070208933 2.723142291 -0.391256856 0.697754718 0.90894377 -6.913787629 stable

HIC2 0.01923872 8.529689614 0.391185557 0.69780698 0.90896151 -6.913815894 stable

KLHDC1 -0.043051839 8.15956472 -0.391094259 0.697873904 0.908998344 -6.913852079 stable

LOC285181 -0.045114512 3.953785666 -0.390754715 0.69812282 0.909246687 -6.913986583 stable

RECK -0.029358984 5.016944713 -0.39068497 0.698173954 0.909246687 -6.914014197 stable

RP11-109D9.4 -0.000520072 2.07005 -0.390651332 0.698198616 0.909246687 -6.914027513 stable

ETS1 0.046598127 13.01435779 0.390620632 0.698221124 0.909246687 -6.914039665 stable

TMUB1 0.027567335 8.397478563 0.390570541 0.698257851 0.909246687 -6.914059491 stable

LOC101929705 0.002146219 2.927836616 0.39032002 0.69844154 0.909371564 -6.914158609 stable

ISCA2 0.029836908 9.935124173 0.390309999 0.698448888 0.909371564 -6.914162573 stable

CDNF -0.008586862 3.59219468 -0.390246836 0.698495204 0.909371564 -6.914187552 stable

LOC101928916 /// NNMT 0.011606182 3.654405944 0.390131527 0.698579761 0.909371564 -6.914233144 stable

RRM1 0.022427243 9.001900479 0.390108322 0.698596778 0.909371564 -6.914242318 stable

HIST1H2AL 0.00141409 2.546596729 0.39010402 0.698599933 0.909371564 -6.914244019 stable

APOD -0.02316814 2.982384136 -0.390070675 0.698624385 0.909371564 -6.914257199 stable

ALG11 /// UTP14A /// UTP14C -0.018951394 8.99450074 -0.389975253 0.698694364 0.90937775 -6.914294913 stable

CRYGA 0.000514596 2.0124242 0.389939563 0.698720538 0.90937775 -6.914309016 stable

CCNA2 -0.094221686 3.049047166 -0.389866929 0.698773807 0.90937775 -6.914337714 stable

LRFN1 0.015635999 5.751068429 0.389853321 0.698783787 0.90937775 -6.91434309 stable

TNK2-AS1 0.000676133 2.225620603 0.389580153 0.69898414 0.909427149 -6.914450968 stable

LOC728613 -0.088770962 9.584461938 -0.389473135 0.699062637 0.909427149 -6.91449321 stable

CNGA4 0.000715161 2.537505816 0.389467775 0.699066569 0.909427149 -6.914495326 stable

LINC01056 0.000502765 1.850779258 0.389461544 0.69907114 0.909427149 -6.914497785 stable

SCGB1A1 0.000561891 2.137763768 0.389455708 0.699075421 0.909427149 -6.914500088 stable

DQ576800 -0.000803967 2.389296795 -0.38945276 0.699077583 0.909427149 -6.914501251 stable

FAM83H 0.033430201 5.093369744 0.389432563 0.699092398 0.909427149 -6.914509222 stable

TCTE1 0.001008021 2.411021485 0.389325919 0.699170626 0.909443929 -6.914551301 stable

HIST1H4J -0.043146991 6.645946968 -0.389309558 0.699182627 0.909443929 -6.914557756 stable

KIAA0319L -0.030614407 8.576497801 -0.389226108 0.699243844 0.909473261 -6.914590674 stable

DACH1 -0.066967172 4.990052562 -0.388965747 0.699434851 0.909642558 -6.914693332 stable

PZP 0.000924315 2.369751869 0.388943253 0.699451354 0.909642558 -6.914702198 stable

WDR87 -0.007034843 2.301141606 -0.388844122 0.699524085 0.909686847 -6.914741264 stable

ACTB -0.003613599 16.27166772 -0.388710986 0.699621769 0.90976358 -6.914793716 stable

TMEM54 0.000602685 2.175706367 0.388562644 0.699730617 0.90985482 -6.914852138 stable

CSK 0.011137341 11.82716234 0.388412646 0.699840686 0.909916944 -6.914911189 stable

LINC00663 -0.052239816 6.433412266 -0.388392097 0.699855765 0.909916944 -6.914919277 stable

POU5F1B -0.013648409 7.337109245 -0.388316369 0.699911337 0.909918444 -6.914949079 stable

CTCF 0.01678962 11.26572357 0.388285094 0.699934289 0.909918444 -6.914961386 stable

LINC00605 0.001865747 2.511401095 0.3881906 0.700003635 0.909921164 -6.914998563 stable

RP4-740C4.7 -0.026217582 4.434769264 -0.38815426 0.700030304 0.909921164 -6.915012857 stable

VGLL2 -0.00515773 3.004915158 -0.387965294 0.700168991 0.909921164 -6.915087168 stable

C11orf16 -0.01186072 3.762124765 -0.387953479 0.700177664 0.909921164 -6.915091813 stable

FBXO40 -0.00207585 2.835891954 -0.387883331 0.70022915 0.909921164 -6.915119389 stable

JMJD6 0.000922963 2.355015364 0.387815963 0.700278597 0.909921164 -6.915145867 stable

GK -0.064801894 7.725832489 -0.387776736 0.70030739 0.909921164 -6.915161283 stable

TBCA -0.013218636 12.64695154 -0.387704483 0.700360425 0.909921164 -6.915189673 stable

GPC3 0.002329414 2.309419069 0.387619731 0.700422636 0.909921164 -6.915222968 stable

TMF1 0.024485057 8.970441162 0.387465479 0.700535869 0.909921164 -6.915283547 stable

MAPT-AS1 0.000815169 2.377110476 0.387424739 0.700565777 0.909921164 -6.915299543 stable

THEG -0.000592657 2.063821585 -0.387424715 0.700565794 0.909921164 -6.915299552 stable

KANK2 0.000712603 2.359026172 0.387417998 0.700570726 0.909921164 -6.91530219 stable

URB2 -0.014424222 6.001508812 -0.387388914 0.700592076 0.909921164 -6.915313607 stable

SLC37A4 0.037501283 6.510794822 0.387384113 0.700595601 0.909921164 -6.915315492 stable

TMEM107 0.100163466 3.030984954 0.387356122 0.70061615 0.909921164 -6.91532648 stable

NBR1 -0.027050892 4.397538728 -0.387355247 0.700616792 0.909921164 -6.915326824 stable

GP5 -0.09050584 6.363655065 -0.387254534 0.70069073 0.909921164 -6.915366353 stable

TRIM26 0.023984696 9.570466316 0.387244789 0.700697885 0.909921164 -6.915370177 stable

EIF2B3 0.018338045 7.98998372 0.387228163 0.700710091 0.909921164 -6.915376702 stable

PEX6 0.166041504 6.68704874 0.386964153 0.700903928 0.909929289 -6.915480267 stable

PKN2 -0.046290875 6.704080863 -0.386960068 0.700906928 0.909929289 -6.915481869 stable

RPS4XP3 /// RPS4XP3 -0.029371537 7.091037428 -0.38695647 0.70090957 0.909929289 -6.915483281 stable

UBALD1 -0.014010457 3.769066897 -0.386887396 0.700960288 0.909929289 -6.915510365 stable

CYSRT1 0.002190612 2.857275421 0.386838253 0.700996373 0.909929289 -6.915529631 stable

MNDA 0.053322075 14.50033554 0.38681584 0.70101283 0.909929289 -6.915538417 stable

SUPT3H 0.046812668 7.036482094 0.386789447 0.70103221 0.909929289 -6.915548763 stable

NTRK3 0.000708117 1.779572042 0.386775327 0.701042578 0.909929289 -6.915554297 stable

USP29 0.000573133 2.239360196 0.38669937 0.701098354 0.909929289 -6.915584067 stable

AC068138.1 -0.000614228 1.764187418 -0.386509449 0.701237822 0.909929289 -6.915658475 stable

OAS3 -0.079820174 10.02143172 -0.386487765 0.701253747 0.909929289 -6.915666968 stable

ALDH1A2 /// LOC101928635 0.000604513 2.016783283 0.386480977 0.701258732 0.909929289 -6.915669627 stable

ANPEP -0.118458426 10.14435852 -0.38648075 0.701258898 0.909929289 -6.915669716 stable

AMER2 -0.010909091 4.006941754 -0.38629052 0.701398606 0.909929289 -6.915744203 stable

NDNL2 -0.023591725 9.79778769 -0.386290205 0.701398837 0.909929289 -6.915744327 stable

CDKL5 -0.000883534 2.731421946 -0.386288731 0.70139992 0.909929289 -6.915744904 stable

WDR66 0.000809319 1.973476536 0.386284949 0.701402697 0.909929289 -6.915746384 stable

PGLYRP3 -0.001284985 2.692632894 -0.386247093 0.701430501 0.909929289 -6.915761203 stable

FBXO39 0.008000479 3.97987992 0.386218667 0.701451378 0.909929289 -6.915772329 stable

ACAA2 -0.022928691 7.078291366 -0.386144363 0.701505952 0.909949898 -6.915801409 stable

RP11-266A24.1 0.002100929 2.883616044 0.386063428 0.701565399 0.909976825 -6.915833077 stable

CWF19L1 -0.02317849 8.542846724 -0.385829877 0.701736951 0.910054631 -6.915924425 stable

KRT18P44 /// KRT18P44 0.002280994 3.125261271 0.385825 0.701740534 0.910054631 -6.915926332 stable

FAP 0.000641308 2.179575291 0.385823741 0.701741459 0.910054631 -6.915926824 stable

GPR1-AS -0.008341463 2.862030537 -0.385731402 0.70180929 0.91009242 -6.915962925 stable

TTC1 0.02358421 9.585447727 0.385577102 0.701922642 0.910189231 -6.916023229 stable

ADAM15 -0.040230424 1.915194686 -0.385497859 0.701980859 0.910193226 -6.916054191 stable

RPL34-AS1 0.00719141 3.182056019 0.385467562 0.702003117 0.910193226 -6.916066027 stable

FBXO21 -0.020115959 10.17402329 -0.385180336 0.702214148 0.910384822 -6.916178188 stable

FGF12 0.000983253 2.631203085 0.385161077 0.702228299 0.910384822 -6.916185706 stable

DCLK2 0.000668106 2.281737187 0.385053423 0.702307401 0.910399202 -6.916227721 stable

U2AF2 -0.009879638 2.423634373 -0.384988598 0.702355035 0.910399202 -6.916253015 stable

NET1 -0.043270159 7.747734975 -0.384976856 0.702363663 0.910399202 -6.916257597 stable

AMDHD1 0.046468542 4.283684213 0.38493528 0.702394214 0.910399202 -6.916273816 stable

TTC6 -0.027315745 4.406878257 -0.384768804 0.70251655 0.910413223 -6.916338746 stable

LINC00423 -0.017618769 3.162927302 -0.384679185 0.702582411 0.910413223 -6.916373688 stable

RP11-219B4.3 0.003139978 2.969427825 0.38463061 0.702618109 0.910413223 -6.916392624 stable

KRT72 0.084067926 4.287510851 0.384604679 0.702637167 0.910413223 -6.916402732 stable

NCR2 0.019939051 5.929102474 0.384592265 0.70264629 0.910413223 -6.91640757 stable

SECISBP2L 0.02553805 9.521014123 0.384589835 0.702648076 0.910413223 -6.916408517 stable

TCRBV15S1 -0.059206957 6.775148406 -0.38453398 0.702689126 0.910413223 -6.916430286 stable

ELOVL3 0.000534301 2.076787776 0.384499206 0.702714683 0.910413223 -6.916443837 stable

LOC102724842 -0.002460333 2.721031574 -0.384431305 0.702764588 0.910427731 -6.916470293 stable

FAM46B -0.000624952 2.222844613 -0.384336516 0.702834257 0.91046784 -6.916507219 stable

LOC100130691 0.018154368 4.574440833 0.38422358 0.702917268 0.91049216 -6.916551202 stable

SLC4A2 -0.029819643 9.112916293 -0.384205645 0.702930451 0.91049216 -6.916558185 stable

GHRH -0.002214421 2.95494248 -0.383975928 0.70309931 0.910660731 -6.916647604 stable

PGLYRP1 -0.10890783 2.74790865 -0.383768062 0.703252121 0.910808498 -6.916728473 stable

ANKS4B -0.002808226 2.289285331 -0.383620497 0.70336061 0.910898849 -6.916785855 stable

MMP21 0.00622053 2.984134342 0.383561486 0.703403995 0.910904882 -6.916808795 stable

AP001171.1 0.005510058 3.655435638 0.383341787 0.703565531 0.911022917 -6.916894174 stable

PDE11A 0.013469645 2.771241312 0.383289572 0.703603925 0.911022917 -6.916914458 stable

LOC285902 /// ZNF273 -0.026360384 3.027911418 -0.383279489 0.703611339 0.911022917 -6.916918375 stable

RP11-44F14.8 -0.006320808 2.54448743 -0.38317671 0.703686915 0.911052274 -6.916958294 stable

HHLA3 -0.050567269 5.705273167 -0.383143304 0.70371148 0.911052274 -6.916971266 stable

RP11-700H6.1 0.000911848 2.197334516 0.382987851 0.703825796 0.911150121 -6.917031617 stable

SZT2 0.004103946 2.92106676 0.382867341 0.70391442 0.911205111 -6.917078386 stable

SUPT20H 0.059199502 7.48169549 0.382824736 0.703945754 0.911205111 -6.917094917 stable

LRRC63 0.001608543 2.543975931 0.382756405 0.703996008 0.911220014 -6.917121426 stable

NR0B1 -0.000960429 2.759739249 -0.382652034 0.70407277 0.911269224 -6.917161907 stable

LINC00959 -0.034697147 7.521917605 -0.382455086 0.704217629 0.911406562 -6.917238267 stable

MAP2K4 -0.016263237 9.68449484 -0.382371247 0.704279298 0.911408627 -6.91727076 stable

IRGC 0.001158037 2.663733984 0.382303584 0.704329069 0.911408627 -6.917296979 stable

SPATA22 0.002990243 3.297578973 0.382294881 0.704335471 0.911408627 -6.917300351 stable

ZNF682 -0.028523809 3.200870858 -0.382185124 0.704416209 0.911415718 -6.917342871 stable

RPL35P8 /// RPL35P8 -0.019506011 5.548756953 -0.38218208 0.704418449 0.911415718 -6.91734405 stable

LOC101929406 0.000586356 2.046960049 0.38197152 0.704573348 0.911473265 -6.917425586 stable

BRICD5 -0.025179168 6.754535349 -0.381821322 0.70468385 0.911473265 -6.91748372 stable

CXCL8 0.207469496 7.550912693 0.381801542 0.704698403 0.911473265 -6.917491374 stable

LOC100996342 -0.014433719 3.186422032 -0.381752131 0.704734757 0.911473265 -6.917510493 stable

C7orf60 -0.019387336 8.914157646 -0.381714864 0.704762176 0.911473265 -6.917524911 stable

LOC101927720 0.025274715 3.148940344 0.381697268 0.704775123 0.911473265 -6.917531719 stable

PCDHGA11 /// PCDHGC3 -0.00156169 2.81650549 -0.381660034 0.704802518 0.911473265 -6.917546122 stable

ALDOAP2 -0.009126952 3.684725335 -0.381657989 0.704804023 0.911473265 -6.917546913 stable

BOP1 /// MIR7112 -0.021881688 8.034787736 -0.381510446 0.704912585 0.911473265 -6.917603973 stable

WFDC12 0.009539152 2.99377187 0.38149476 0.704924126 0.911473265 -6.917610038 stable

CRYGB -0.003271677 3.187118092 -0.381438055 0.704965852 0.911473265 -6.917631962 stable

SLC30A10 0.001034164 2.49435898 0.381370429 0.705015614 0.911473265 -6.917658103 stable

GPR126 0.001383858 2.715427131 0.381346211 0.705033436 0.911473265 -6.917667463 stable

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FGFR2 0.012955673 2.345092006 0.381331586 0.705044198 0.911473265 -6.917673116 stable

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LETM1 -0.024530373 5.86240275 -0.381035004 0.705262456 0.911526508 -6.917787696 stable

EIF3G 0.022390609 12.56227019 0.381030134 0.70526604 0.911526508 -6.917789576 stable

LOC101927811 0.078979675 4.137869904 0.38092804 0.705341179 0.911526508 -6.917828998 stable

CCT3 /// LOC101927137 -0.022655944 12.01232603 -0.380918666 0.705348077 0.911526508 -6.917832617 stable

ACAA1 0.027044391 9.207687087 0.380877405 0.705378446 0.911526508 -6.917848546 stable

CNOT2 -0.012622276 11.0733582 -0.380861119 0.705390432 0.911526508 -6.917854832 stable

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UBE2E1 0.010392978 13.01780832 0.380792396 0.705441013 0.911526508 -6.917881358 stable

ULK3 0.020847805 8.712679173 0.380628345 0.705561763 0.911526508 -6.917944658 stable

EEF1G /// MIR3654 0.011363535 14.9039605 0.380620703 0.705567388 0.911526508 -6.917947606 stable

CCDC142 /// MRPL53 -0.028715925 10.9044755 -0.380595128 0.705586213 0.911526508 -6.917957472 stable

C7orf13 /// LINC01006 0.001239523 2.604810718 0.380550369 0.70561916 0.911526508 -6.917974736 stable

PILRA 0.067078581 10.7104031 0.380538447 0.705627935 0.911526508 -6.917979334 stable

ZNF791 0.023572006 9.625313074 0.38038537 0.705740618 0.911622004 -6.918038362 stable

RABL6 -0.015794402 6.306889423 -0.380295331 0.705806901 0.911624844 -6.918073071 stable

LINC00841 0.00064017 2.167665986 0.380277086 0.705820332 0.911624844 -6.918080103 stable

PIWIL4 0.035836788 6.213789348 0.380215036 0.705866012 0.911633784 -6.918104017 stable

PAMR1 -0.000832244 2.076876359 -0.380083806 0.705962625 0.911658039 -6.918154579 stable

HBZ 0.008003158 2.975710958 0.380055273 0.705983631 0.911658039 -6.91816557 stable

MED30 0.023126869 8.469384604 0.379985385 0.706035086 0.911658039 -6.918192489 stable

DFFA -0.019783987 9.048853673 -0.379978942 0.70603983 0.911658039 -6.91819497 stable

TMEM61 -0.000769043 2.402037703 -0.37987373 0.706117295 0.911668699 -6.918235484 stable

SLC4A3 0.032785887 2.703426215 0.379862444 0.706125605 0.911668699 -6.91823983 stable

KLHL40 0.000539224 2.124035867 0.37974841 0.706209569 0.911727058 -6.918283727 stable

CGN -0.000487806 1.966209033 -0.379589538 0.706326554 0.911792496 -6.918344862 stable

LIPT1 0.027780964 9.382176581 0.379538579 0.706364078 0.911792496 -6.918364467 stable

PRR14 -0.020079938 10.41856285 -0.37943518 0.706440221 0.911792496 -6.918404237 stable

OR5G1P /// OR5G1P 0.000527887 2.150555475 0.379381329 0.706479878 0.911792496 -6.918424945 stable

DRD4 0.000542301 1.892646888 0.37917226 0.706633849 0.911792496 -6.918505315 stable

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HAPLN4 0.000561796 2.111614639 0.379110782 0.706679127 0.911792496 -6.918528939 stable

CKLF /// CKLF-CMTM1 -0.024556369 11.21660002 -0.379059629 0.706716801 0.911792496 -6.918548593 stable

DNAJC4 -0.021639762 7.695730413 -0.37896573 0.706785962 0.911792496 -6.918584665 stable

ABI3BP 0.002768587 3.272218025 0.378938087 0.706806322 0.911792496 -6.918595282 stable

TSC22D3 -0.058364101 11.42369186 -0.378851874 0.706869824 0.911792496 -6.918628391 stable

NPY6R 0.000594242 2.247149659 0.378807778 0.706902304 0.911792496 -6.918645322 stable

INHBC -0.009299725 2.540761476 -0.3787618 0.706936172 0.911792496 -6.918662974 stable

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IFNA14 -0.000586006 2.13102572 -0.378573505 0.707074875 0.911792496 -6.918735243 stable

TNMD 0.000974693 2.248627966 0.378567372 0.707079394 0.911792496 -6.918737596 stable

DOK7 /// LOC102724043 -0.048726636 2.919080565 -0.378558164 0.707086176 0.911792496 -6.918741129 stable

ARR3 -0.008117963 3.004917552 -0.378525881 0.707109958 0.911792496 -6.918753515 stable

UGT1A1 /// UGT1A10 /// UGT1A4 /// UGT1A6 /// UGT1A8 /// UGT1A9 0.004133172 4.231121184 0.37851707 0.707116449 0.911792496 -6.918756895 stable

TEX264 0.028188956 9.114770911 0.378472278 0.707149447 0.911792496 -6.918774079 stable

TRIM8 -0.020031921 11.18800869 -0.378394226 0.707206948 0.911792496 -6.918804018 stable

LOC401442 0.000705189 2.163373538 0.378314447 0.707265723 0.911792496 -6.918834612 stable

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GPR35 -0.054167223 6.584509811 -0.378223195 0.707332952 0.911792496 -6.918869598 stable

ZNF106 -0.029206109 10.53843701 -0.378100466 0.707423376 0.911792496 -6.918916639 stable

UBAC2 -0.01691591 10.53915595 -0.378057182 0.707455267 0.911792496 -6.918933226 stable

MADD 0.017670755 10.37700362 0.378043639 0.707465246 0.911792496 -6.918938416 stable

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POMZP3 /// ZP3 -0.09007644 8.271040593 -0.37799659 0.707499912 0.911792496 -6.918956443 stable

ADRB3 0.000743507 2.444785979 0.377947517 0.707536071 0.911792496 -6.918975243 stable

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CD46 0.022667842 10.98583842 0.377885752 0.707581582 0.911792496 -6.918998901 stable

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CHRNB1 0.021580993 5.611622173 0.377828215 0.707623979 0.911792496 -6.919020938 stable

RIPK3 -0.02838666 8.599696421 -0.377519604 0.707851399 0.911792496 -6.919139075 stable

CLINT1 0.015012819 10.57492636 0.377501345 0.707864855 0.911792496 -6.919146062 stable

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MXD1 0.079033387 7.089020107 0.377490743 0.707872669 0.911792496 -6.919150119 stable

PAX9 -0.000701087 2.335600729 -0.377480788 0.707880005 0.911792496 -6.919153927 stable

LIME1 0.034127947 10.4004663 0.377450225 0.707902529 0.911792496 -6.91916562 stable

CENPBD1 /// RP11-566K11.5 -0.001386283 2.618674225 -0.377427162 0.707919526 0.911792496 -6.919174444 stable

ST8SIA3 -0.001208644 2.540042443 -0.377408596 0.707933209 0.911792496 -6.919181546 stable

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DMC1 0.001407866 2.57517093 0.377220123 0.708072117 0.911829415 -6.919253626 stable

CCNG2 -0.00176864 2.911731902 -0.377093824 0.708165207 0.911897624 -6.919301908 stable

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HAMP -0.01714445 5.956648532 -0.376925778 0.708289074 0.911957294 -6.919366124 stable

HIPK1-AS1 0.007771342 3.56195607 0.376847719 0.708346614 0.911957294 -6.919395944 stable

FES 0.066873313 9.539507274 0.376822397 0.70836528 0.911957294 -6.919405616 stable

GPR6 -0.000619986 1.633655475 -0.376670931 0.708476938 0.912046196 -6.919463457 stable

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MED22 -0.030130586 8.296487537 -0.376427747 0.708656222 0.912046196 -6.919556273 stable

GTF2F2 -0.03420371 7.629991842 -0.376373246 0.708696404 0.912046196 -6.919577067 stable

SCGN 0.000611919 2.307676069 0.376327717 0.708729972 0.912046196 -6.919594435 stable

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GCKR 0.000509003 2.058498051 0.376207163 0.708818859 0.912046196 -6.919640413 stable

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MYO1H 0.000829966 2.243357702 0.375783422 0.709131321 0.912117711 -6.919801907 stable

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NEUROD1 -0.002396673 2.387540535 -0.375145324 0.709601945 0.912253463 -6.920044755 stable

FOXC2 -0.000556829 2.170761891 -0.375128902 0.709614058 0.912253463 -6.920050999 stable

ALMS1P -0.001738226 2.767125937 -0.375014623 0.709698357 0.912253463 -6.920094446 stable

CTSZ -0.047309849 9.28250728 -0.374947033 0.709748216 0.912253463 -6.920120137 stable

DAB1 /// OMA1 -0.035467445 10.03410816 -0.374939828 0.709753531 0.912253463 -6.920122875 stable

PRKAA2 0.001279299 2.776313031 0.374932592 0.70975887 0.912253463 -6.920125625 stable

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DGCR11 -0.048276084 6.255153003 -0.374352435 0.710186895 0.912507456 -6.920345942 stable

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EIF3L 0.008120831 14.5133371 0.373757977 0.710625569 0.912759932 -6.920571339 stable

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CLEC5A -0.118767418 4.67167773 -0.373665457 0.710693851 0.912759932 -6.920606387 stable

ESX1 0.008346757 4.288371112 0.373662271 0.710696203 0.912759932 -6.920607594 stable

RABGAP1L 0.001406272 2.300976257 0.373544144 0.710783389 0.912822064 -6.920652329 stable

MMP9 -0.144638947 5.532018438 -0.373332999 0.710939238 0.912961665 -6.920732256 stable

SERPINB4 0.001692951 2.568452228 0.373291702 0.710969721 0.912961665 -6.920747884 stable

CDKAL1 0.144645459 7.130475041 0.373071327 0.711132399 0.913049632 -6.920831248 stable

HYAL4 0.001371024 2.552155169 0.37301804 0.711171737 0.913049632 -6.920851398 stable

RUNDC3A 0.004833815 2.298412933 0.373007137 0.711179786 0.913049632 -6.920855521 stable

ONECUT1 -0.001452797 2.483478416 -0.372961089 0.71121378 0.913049632 -6.920872931 stable

OR5I1 0.000490907 2.136212889 0.372874601 0.711277631 0.913049632 -6.920905625 stable

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NQO2 -0.063570989 9.322737885 -0.372766743 0.711357261 0.913049632 -6.920946387 stable

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SLC39A11 0.044263653 8.067256997 0.372673085 0.711426411 0.913049632 -6.920981773 stable

NAGLU 0.029486691 8.093837891 0.372602143 0.71147879 0.913050306 -6.92100857 stable

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ARF1 /// MIR3620 -0.011421811 13.8418739 -0.372466264 0.711579119 0.913050306 -6.921059882 stable

NAV2-AS2 -0.00067795 2.157687889 -0.372442186 0.711596897 0.913050306 -6.921068973 stable

ZBED9 -0.000842712 2.44282684 -0.372376143 0.711645664 0.913050306 -6.921093905 stable

FAM89B 0.012596012 10.72353144 0.372350507 0.711664594 0.913050306 -6.921103581 stable

LINC00470 0.002548981 3.585048585 0.372300083 0.711701828 0.913050306 -6.921122612 stable

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CYFIP2 0.031767983 12.82703328 0.372165618 0.711801124 0.913050306 -6.92117335 stable

LRRCC1 0.023137585 3.029292185 0.372014719 0.711912563 0.913050306 -6.921230267 stable

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TMEM87A 0.012537144 10.05657158 0.371954263 0.711957211 0.913050306 -6.921253064 stable

GJA5 0.000545484 2.098297659 0.37192107 0.711981724 0.913050306 -6.921265578 stable

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FGF13 -0.009320766 2.654413879 -0.371876876 0.712014364 0.913050306 -6.921282239 stable

MAGEA4 0.002684812 3.012228852 0.37183129 0.712048032 0.913050306 -6.921299423 stable

CTD-2616J11.10 0.007328265 2.966322883 0.371560037 0.712248381 0.913257423 -6.921401628 stable

DAAM2 0.001358081 2.67371895 0.371378859 0.712382211 0.91337923 -6.921469852 stable

CXorf21 -0.043725103 8.699564989 -0.371190559 0.712521312 0.913456969 -6.921540724 stable

C2orf80 0.002028974 2.254954368 0.371143984 0.712555719 0.913456969 -6.921558248 stable

ARHGEF7-AS2 -0.001581751 3.082026685 -0.371069248 0.712610932 0.913456969 -6.921586363 stable

HES2 0.002266485 3.165196832 0.371065248 0.712613887 0.913456969 -6.921587868 stable

CBX5 0.026393423 6.635309822 0.371001516 0.712660972 0.913456969 -6.921611839 stable

PACRG 0.000559666 2.116384518 0.370981367 0.712675857 0.913456969 -6.921619416 stable

AOC1 0.001080109 2.47761305 0.370747118 0.71284893 0.913477451 -6.921707483 stable

LOC101927606 -0.001100211 2.495524712 -0.37072201 0.712867481 0.913477451 -6.921716919 stable

SMIM24 -0.020548875 3.857214171 -0.370700392 0.712883454 0.913477451 -6.921725043 stable

TRAPPC11 0.023060685 9.420529699 0.370661324 0.712912321 0.913477451 -6.921739723 stable

AMPD1 -0.000650612 2.287460148 -0.370583834 0.712969579 0.913477451 -6.921768837 stable

ATXN1 -0.064892345 6.61780367 -0.370534033 0.713006378 0.913477451 -6.921787545 stable

LOC100289094 0.002065001 2.861226305 0.370526104 0.713012237 0.913477451 -6.921790523 stable

SIL1 0.034307712 7.447010813 0.370444988 0.713072177 0.913477451 -6.921820987 stable

ATP6 -0.01443011 15.79923562 -0.370394268 0.713109657 0.913477451 -6.921840033 stable

NAV2-IT1 -0.001099021 2.409254827 -0.370337736 0.713151433 0.913477451 -6.921861258 stable

ALDOC 0.027902308 8.472447275 0.370277181 0.713196182 0.913477451 -6.92188399 stable

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LOC285593 -0.002037423 2.961886929 -0.370189695 0.713260836 0.913477451 -6.921916825 stable

ATP6AP1 0.021211132 11.35426593 0.370154304 0.713286991 0.913477451 -6.921930105 stable

PVRL4 0.012247812 2.426749579 0.370135551 0.71330085 0.913477451 -6.921937142 stable

UGT2B28 -0.015031723 2.822497814 -0.37000445 0.713397742 0.913477451 -6.921986325 stable

TBC1D25 0.016256689 8.090316923 0.369947973 0.713439483 0.913477451 -6.922007507 stable

IL1R2 0.122116718 7.283902335 0.369843699 0.713516552 0.913477451 -6.922046607 stable

SURF4 -0.014820375 10.24222911 -0.369827669 0.7135284 0.913477451 -6.922052617 stable

ASAP3 -0.016455489 4.972412027 -0.369807212 0.713543521 0.913477451 -6.922060287 stable

FLJ23867 /// QSOX1 -0.063023364 5.345105332 -0.369789479 0.713556628 0.913477451 -6.922066934 stable

VNN1 0.12316428 7.305961916 0.369595541 0.713699981 0.913477451 -6.922139617 stable

TCRA /// TCRAV5.1a 0.053460806 5.326420158 0.369579616 0.713711752 0.913477451 -6.922145583 stable

KHDRBS3 -0.005426981 3.292016007 -0.369578087 0.713712882 0.913477451 -6.922146156 stable

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DDX56 -0.023627918 8.974191093 -0.369482049 0.713783875 0.913477451 -6.922182133 stable

AVPI1 0.048557956 6.02613275 0.369451542 0.713806426 0.913477451 -6.922193559 stable

SOSTDC1 -0.000682207 2.368121115 -0.369435749 0.713818101 0.913477451 -6.922199474 stable

GMEB2 0.011789873 8.934364469 0.369255307 0.713951495 0.913560543 -6.922267036 stable

FGFBP1 0.002435135 2.651778771 0.36922365 0.713974898 0.913560543 -6.922278885 stable

LINC00901 0.001471288 2.534576823 0.369131245 0.714043214 0.913560543 -6.922313468 stable

LOC152578 0.001475955 2.671266733 0.369115972 0.714054506 0.913560543 -6.922319184 stable

PCDHB2 0.001350992 2.442999364 0.369085233 0.714077233 0.913560543 -6.922330685 stable

SAMD10 0.02097452 6.389676773 0.369013513 0.714130258 0.913562887 -6.922357518 stable

LINC00895 0.005909652 3.382784483 0.368977688 0.714156745 0.913562887 -6.922370919 stable

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CACNA1E 0.001945814 2.853056421 0.368811131 0.714279896 0.913594307 -6.922433206 stable

NCOA3 -0.02253025 11.00874143 -0.368786873 0.714297832 0.913594307 -6.922442275 stable

HOXB5 0.01172141 2.538807442 0.36848652 0.714519931 0.913696132 -6.92255452 stable

CXorf51A /// CXorf51B -0.002254689 2.678762848 -0.368468134 0.714533528 0.913696132 -6.922561388 stable

COMMD8 -0.019758378 10.80766588 -0.368441419 0.714553284 0.913696132 -6.922571367 stable

ZCCHC17 0.020604753 9.559592284 0.368428592 0.71456277 0.913696132 -6.922576158 stable

SDC4 -0.07757598 6.067390315 -0.368416551 0.714571674 0.913696132 -6.922580655 stable

KLF16 -0.013236882 6.429958312 -0.368338339 0.714629514 0.913720418 -6.922609863 stable

RP11-619L12.4 -0.003306414 3.424175891 -0.368284656 0.714669215 0.91372151 -6.922629907 stable

ABCC6 /// ABCC6P1 /// ABCC6P2 /// LOC101930322 -0.095766827 4.905389515 -0.368210047 0.714724394 0.91373634 -6.92265776 stable

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USP32 0.033169483 7.521024234 0.368111393 0.714797358 0.91373634 -6.922694581 stable

GPN2 0.048277258 7.030014397 0.36804415 0.714847092 0.913750255 -6.922719673 stable

FURIN 0.031750601 9.535026456 0.367812192 0.715018661 0.913901566 -6.922806192 stable

ACADVL -0.024103306 10.83892511 -0.36774536 0.715068096 0.913901566 -6.92283111 stable

PBXIP1 0.031034335 9.865967761 0.36757967 0.715190662 0.913901566 -6.922892867 stable

LOC101929153 -0.001713531 3.088933439 -0.367504915 0.715245964 0.913901566 -6.922920722 stable

SLC25A43 0.043260459 7.834513865 0.36750348 0.715247025 0.913901566 -6.922921256 stable

TDRD9 0.13449629 5.560647832 0.367500679 0.715249097 0.913901566 -6.9229223 stable

LOC101926942 0.001009121 2.452357633 0.367447882 0.715288156 0.913901566 -6.922941969 stable

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EIF3E -0.010885588 14.48776202 -0.36704341 0.715587403 0.913903573 -6.923092558 stable

C10orf53 0.000675025 2.27506204 0.367041639 0.715588713 0.913903573 -6.923093217 stable

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OR2F1 /// OR2F2 0.000982391 2.25479894 0.366875041 0.715711983 0.91393653 -6.923155194 stable

NMBR 0.000480403 2.02542479 0.366837957 0.715739424 0.91393653 -6.923168987 stable

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RPRM -0.027373847 2.256642551 -0.366373344 0.716083248 0.91393653 -6.923341667 stable

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BC034456 /// RP11-229P13.25 -0.002911694 3.005348184 -0.366351861 0.716099148 0.91393653 -6.923349646 stable

LINC00343 0.000988848 2.780838343 0.366326584 0.716117855 0.91393653 -6.923359034 stable

WNT8A -0.000865706 2.55933528 -0.366313737 0.716127363 0.91393653 -6.923363805 stable

LOC101927609 -0.025744025 6.036312393 -0.366312587 0.716128214 0.91393653 -6.923364232 stable

ZNF404 -0.028812692 5.418717481 -0.366222267 0.716195062 0.91393653 -6.92339777 stable

LOC729732 -0.032732777 3.954045103 -0.366192138 0.716217361 0.91393653 -6.923408956 stable

C2orf72 0.000517068 1.759161853 0.366190213 0.716218786 0.91393653 -6.92340967 stable

FAM83C-AS1 0.003798819 3.025475112 0.366165325 0.716237207 0.91393653 -6.92341891 stable

CYC1 -0.027293092 11.06049575 -0.366153705 0.716245807 0.91393653 -6.923423223 stable

CSNK1G2 -0.0190959 11.38362586 -0.365968055 0.716383221 0.91393653 -6.923492121 stable

MUM1L1 0.001520566 2.657502306 0.365946894 0.716398884 0.91393653 -6.923499972 stable

RNA45S5 0.04583781 7.516410788 0.365930381 0.716411108 0.91393653 -6.923506098 stable

VPS13C -0.025756879 12.46877955 -0.36582523 0.716488943 0.91393653 -6.923545102 stable

RBL1 0.014071833 4.040429169 0.365807852 0.716501806 0.91393653 -6.923551547 stable

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USP3-AS1 -0.061584456 5.934666099 -0.365744701 0.716548555 0.91393653 -6.923574966 stable

ARAF -0.015119143 9.665027405 -0.3657045 0.716578314 0.91393653 -6.923589871 stable

LOC284373 -0.009029843 3.309342041 -0.365662558 0.716609363 0.91393653 -6.923605421 stable

FAM66D 0.003734585 3.158921078 0.36566221 0.716609621 0.91393653 -6.92360555 stable

HOXC11 0.004994952 3.301496432 0.365641733 0.716624779 0.91393653 -6.92361314 stable

TMC1 0.001117613 2.305650935 0.365568298 0.716679144 0.913954639 -6.92364036 stable

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SLC3A2 -0.020009112 8.940829849 -0.365386779 0.716813529 0.91402857 -6.923707618 stable

LINC00208 -0.002241721 2.720916488 -0.365170984 0.716973301 0.914075199 -6.923787533 stable

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LOC101929143 -0.003104523 2.788839221 -0.365087488 0.717035125 0.914075199 -6.923818442 stable

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TMEM53 0.036567848 3.243891655 0.364827362 0.717227743 0.914075199 -6.92391469 stable

ENO1 -0.011940043 13.47227485 -0.364816896 0.717235493 0.914075199 -6.92391856 stable

LOC101929312 -0.002099753 2.792645846 -0.364786146 0.717258264 0.914075199 -6.923929933 stable

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DGKH -0.00718453 2.591620096 -0.364711762 0.717313348 0.914075199 -6.92395744 stable

CFTR 0.0009032 2.300215596 0.364661443 0.717350612 0.914075199 -6.923976045 stable

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LOC654780 0.015398091 4.652919887 0.364580668 0.717410432 0.914075199 -6.924005905 stable

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RP11-210K20.4 /// RP11-452K12.7 -0.000732566 1.985478636 -0.364432344 0.717520281 0.914075199 -6.924060718 stable

MAGEE2 -0.002840404 2.671962445 -0.364428008 0.717523493 0.914075199 -6.92406232 stable

ACSM5 -0.001837049 2.59345749 -0.364341144 0.717587828 0.914075199 -6.92409441 stable

LOC284294 0.000649665 2.31564073 0.364340268 0.717588476 0.914075199 -6.924094734 stable

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CHD5 -0.013757954 3.328461763 -0.363850992 0.717950892 0.914290538 -6.924275344 stable

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PQLC2 0.04817181 4.149351559 0.363695702 0.718065932 0.914290538 -6.924332617 stable

PGAP1 0.019846132 3.636358412 0.363662407 0.718090597 0.914290538 -6.924344893 stable

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EIF4G3 -0.073332538 6.080208478 -0.363477586 0.718227525 0.91439223 -6.92441302 stable

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MIR21 /// VMP1 0.040888832 12.11888553 0.362953545 0.718615819 0.914675699 -6.924605999 stable

ZDHHC21 -0.026130779 6.683497617 -0.362916583 0.718643209 0.914675699 -6.9246196 stable

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RIMS3 -0.066176617 4.806462126 -0.36272157 0.718787727 0.914711147 -6.924691336 stable

FSD2 0.000481745 1.912477497 0.362526055 0.718932628 0.914846047 -6.924763218 stable

ILF2 0.015886463 11.22298839 0.362389415 0.719033901 0.91490509 -6.924813432 stable

CPEB2-AS1 -0.002454233 2.56806484 -0.362356056 0.719058626 0.91490509 -6.924825688 stable

ST6GALNAC4 -0.026714125 9.25244835 -0.362306012 0.719095719 0.91490509 -6.924844072 stable

LOC643072 -0.084889925 6.259305215 -0.362169078 0.719197218 0.914939351 -6.924894364 stable

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FOXJ3 -0.017141185 11.02545837 -0.361577287 0.71963593 0.915188682 -6.925111492 stable

ADAM33 0.001611187 3.016085897 0.361530157 0.719670873 0.915188682 -6.925128769 stable

TAB3 -0.021280329 7.665915379 -0.361480474 0.71970771 0.915188682 -6.925146979 stable

OR10H3 0.000496319 2.031751352 0.361387024 0.719776999 0.91520938 -6.925181225 stable

EME1 -0.044997935 5.999584591 -0.361351824 0.719803098 0.91520938 -6.925194121 stable

HNRNPA2B1 -0.017979047 13.60620348 -0.361271057 0.719862986 0.91520938 -6.925223709 stable

ART4 0.002040429 2.599598155 0.361224306 0.719897652 0.91520938 -6.925240833 stable

SPTSSB 0.018778136 6.147146972 0.361164463 0.719942026 0.91520938 -6.925262748 stable

NAT10 0.019762882 9.96712059 0.361143664 0.719957449 0.91520938 -6.925270364 stable

SMG6 0.035121777 6.483852591 0.360960246 0.720093463 0.915332812 -6.925337509 stable

MRPL2 -0.019520164 7.308624156 -0.360809822 0.720205018 0.915425141 -6.92539255 stable

MBNL2 -0.001093008 2.328643589 -0.36070655 0.720281608 0.9154286 -6.925430324 stable

ID2 /// ID2B -0.061375371 10.05112728 -0.360617468 0.720347676 0.9154286 -6.9254629 stable

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DLK1 -0.04387624 2.248490369 -0.360502651 0.720432835 0.9154286 -6.925504874 stable

ASNA1 0.025590654 9.924925437 0.360456914 0.720466758 0.9154286 -6.925521591 stable

SLC35A4 -0.015073169 10.23870394 -0.360360937 0.720537948 0.9154286 -6.925556663 stable

LRRC25 0.077030347 10.52211936 0.360327781 0.720562541 0.9154286 -6.925568777 stable

CLRN1-AS1 -0.000650137 2.302249951 -0.360323263 0.720565893 0.9154286 -6.925570428 stable

AC078842.4 /// AK094915 -0.000663889 2.309396858 -0.360316467 0.720570934 0.9154286 -6.925572911 stable

MRPS33 -0.023834238 9.882854184 -0.360281412 0.720596936 0.9154286 -6.925585717 stable

LOC157503 /// XKR4 0.00262468 2.953034414 0.360174844 0.720675986 0.915465833 -6.92562464 stable

CD177 -0.023508053 3.201534196 -0.360121924 0.720715242 0.915465833 -6.925643964 stable

COL18A1-AS1 0.000991317 2.465781079 0.360084493 0.720743008 0.915465833 -6.925657631 stable

ZDHHC19 -0.002867268 3.066896246 -0.359959744 0.720835552 0.915495437 -6.925703169 stable

PDCD7 0.00048625 2.063141149 0.359867778 0.720903778 0.915495437 -6.92573673 stable

BACH2 -0.041283511 10.30773005 -0.35986677 0.720904526 0.915495437 -6.925737098 stable

SRD5A1 -0.046214494 8.179646166 -0.35984321 0.720922005 0.915495437 -6.925745694 stable

TSGA10IP 0.008398091 2.40790174 0.359764101 0.720980695 0.915520539 -6.925774554 stable

LOC100134822 -0.040281104 6.478775894 -0.359649253 0.721065903 0.915579309 -6.925816441 stable

OR2B4P /// OR2B4P 0.000946875 2.399226054 0.359330012 0.721302774 0.91558437 -6.925932805 stable

NPY5R 0.001156128 2.274314477 0.359262397 0.721352947 0.91558437 -6.925957437 stable

LINC00540 -0.0387404 3.31016062 -0.359244259 0.721366406 0.91558437 -6.925964044 stable

CIB1 -0.024368159 11.20753201 -0.359207864 0.721393413 0.91558437 -6.9259773 stable

TMEM121 0.012449712 3.092979083 0.359190212 0.721406512 0.91558437 -6.925983729 stable

PLBD1 -0.068818087 12.97559061 -0.359188061 0.721408109 0.91558437 -6.925984513 stable

MCTP1 0.023778345 5.405445067 0.359181333 0.721413101 0.91558437 -6.925986963 stable

CNRIP1 -0.001684565 2.499854261 -0.359137391 0.721445709 0.91558437 -6.926002965 stable

LOC101927699 -0.031389852 4.152228529 -0.359128826 0.721452065 0.91558437 -6.926006084 stable

PORCN -0.021932883 6.820387853 -0.359119276 0.721459152 0.91558437 -6.926009561 stable

HSPA5 0.016079688 12.73068891 0.359066519 0.721498302 0.915584654 -6.92602877 stable

ZC3H8 -0.020301404 8.142880701 -0.358864383 0.721648312 0.915725612 -6.926102342 stable

TBX19 -0.028734612 5.533387382 -0.358634483 0.72181894 0.915784926 -6.926185969 stable

NFKBIB 0.012635774 8.420264019 0.358627962 0.72182378 0.915784926 -6.92618834 stable

BRMS1L 0.015681548 4.957454481 0.358626828 0.721824621 0.915784926 -6.926188753 stable

INHBB 0.000633193 2.300462966 0.358591566 0.721850794 0.915784926 -6.926201575 stable

B9D1 0.003892499 3.177730159 0.358458997 0.721949193 0.915812881 -6.926249767 stable

LOC100996694 0.000522037 2.069297017 0.358456965 0.721950701 0.915812881 -6.926250506 stable

PROP1 0.002349425 3.171193023 0.35811906 0.72220153 0.916081658 -6.926373263 stable

SLC26A6 -0.066991665 7.675974465 -0.358049064 0.722253493 0.916086644 -6.926398677 stable

LOC100506675 -0.002149874 2.180976904 -0.358008838 0.722283356 0.916086644 -6.926413281 stable

LOC101930593 /// LOC102724352 -0.001574955 2.708874048 -0.357810178 0.722430843 0.916155061 -6.926485376 stable

CD3D 0.040651365 12.97920702 0.357694825 0.722516488 0.916155061 -6.92652722 stable

PGRMC2 -0.026979896 8.900567114 -0.357660193 0.722542201 0.916155061 -6.926539781 stable

CWF19L2 -0.001531742 2.202591937 -0.357657843 0.722543946 0.916155061 -6.926540633 stable

SHISA6 0.000549477 2.147684749 0.357622384 0.722570273 0.916155061 -6.926553491 stable

SKI 0.042909287 5.972136409 0.357606106 0.72258236 0.916155061 -6.926559394 stable

FW340027 0.01089391 4.055085283 0.357541609 0.722630249 0.916155061 -6.926582779 stable

MCHR2 0.000774641 2.372877629 0.357434708 0.722709626 0.916155061 -6.926621529 stable

POU5F1 /// POU5F1B /// POU5F1P3 /// POU5F1P4 -0.020598876 7.298887561 -0.357417073 0.72272272 0.916155061 -6.92662792 stable

KLHDC4 -0.019538962 3.67675223 -0.357411574 0.722726804 0.916155061 -6.926629913 stable

LOC100506790 -0.008892565 4.345509237 -0.357055438 0.722991269 0.916393819 -6.926758915 stable

CYTH2 -0.052866321 5.519031104 -0.357053006 0.722993075 0.916393819 -6.926759795 stable

FADS1 /// MIR1908 -0.053185746 8.083517763 -0.356780769 0.72319526 0.91656508 -6.92685832 stable

MRVI1-AS1 0.001748587 2.61424888 0.356766137 0.723206127 0.91656508 -6.926863614 stable

RP11-61L19.3 0.014835132 5.991183794 0.356686027 0.723265628 0.916591101 -6.926892591 stable

MCFD2 -0.026672292 2.722622199 -0.356446175 0.723443784 0.916719888 -6.926979311 stable

KCNK15 0.000523114 2.104543192 0.356387641 0.723487263 0.916719888 -6.927000465 stable

LINC01057 0.000519399 2.116773682 0.356239113 0.723597597 0.916719888 -6.927054128 stable

ISM2 -0.00102691 2.582519648 -0.35615487 0.723660179 0.916719888 -6.927084555 stable

OR1E1 0.004405554 3.508973813 0.356142632 0.72366927 0.916719888 -6.927088975 stable

KLB -0.001112007 2.622813461 -0.356074224 0.72372009 0.916719888 -6.927113676 stable

BC040833 -0.002838428 2.930638746 -0.356008404 0.72376899 0.916719888 -6.927137439 stable

RNF215 0.000833796 2.256424247 0.355995496 0.723778579 0.916719888 -6.927142099 stable

ARRDC2 0.020349987 10.34988161 0.35598455 0.723786712 0.916719888 -6.92714605 stable

SMC1B 0.002621348 3.018337845 0.355872661 0.723869839 0.916719888 -6.927186432 stable

HBEGF 0.113905389 7.926243604 0.355748659 0.72396197 0.916719888 -6.927231172 stable

CLOCK 0.016969292 8.92314441 0.355702698 0.723996119 0.916719888 -6.92724775 stable

RTN4RL1 -0.001235991 2.301459184 -0.355579607 0.724087579 0.916719888 -6.92729214 stable

CNIH2 -0.001086918 2.207706445 -0.355533761 0.724121645 0.916719888 -6.927308669 stable

C18orf15 0.000629864 2.21722547 0.355522871 0.724129737 0.916719888 -6.927312595 stable

RPL36A /// RPL36A-HNRNPH2 -0.007799529 15.32799645 -0.355486343 0.724156879 0.916719888 -6.927325762 stable

AC002310.12 /// AK056973 0.027971859 5.455895742 0.355485011 0.724157869 0.916719888 -6.927326243 stable

DDX5 /// MIR3064 /// MIR5047 0.015389421 14.84350474 0.355443024 0.724189069 0.916719888 -6.927341377 stable

RP11-121C2.2 -0.03176901 7.35325491 -0.355400726 0.724220499 0.916719888 -6.927356621 stable

HAND2 0.00095287 2.563361729 0.355391451 0.724227392 0.916719888 -6.927359963 stable

PINK1-AS -0.037294005 6.077610648 -0.355377987 0.724237397 0.916719888 -6.927364815 stable

HSD17B11 -0.022065095 12.25937692 -0.355262101 0.724323513 0.916719888 -6.927406569 stable

CHRM2 0.000475784 1.924957583 0.355261275 0.724324127 0.916719888 -6.927406867 stable

IBA57 0.028952058 6.632776009 0.355247058 0.724334692 0.916719888 -6.927411988 stable

WRAP53 0.009517766 6.358128549 0.355237743 0.724341615 0.916719888 -6.927415344 stable

LOC100506860 0.003936337 3.396408879 0.355118573 0.724430175 0.91678264 -6.927458263 stable

RP11-77H9.8 0.000679773 2.245427676 0.355003574 0.724515641 0.916841469 -6.927499668 stable

DEFB132 0.003450606 3.246098217 0.354886527 0.724602632 0.916902222 -6.927541795 stable

MIR4680 /// PDCD4 -0.021331367 10.74590727 -0.354713752 0.724731047 0.916997566 -6.927603956 stable

DAB2 /// LOC101926921 -0.001668546 2.71649725 -0.354679731 0.724756334 0.916997566 -6.927616192 stable

PLCD1 0.011050538 8.589932547 0.354573579 0.724835237 0.916997566 -6.927654365 stable

RPARP-AS1 0.022420836 3.244474362 0.354544326 0.724856981 0.916997566 -6.927664882 stable

UBP1 -0.018207722 11.45415335 -0.354522895 0.724872911 0.916997566 -6.927672586 stable

FIGNL1 0.054412724 6.803301274 0.354405816 0.724959942 0.917058341 -6.927714669 stable

RSPH9 0.010216439 2.772381779 0.354268474 0.725062038 0.917138166 -6.927764017 stable

PEAK1 0.016076576 5.779746752 0.354209054 0.725106212 0.91714472 -6.927785362 stable

ROPN1B 0.00088386 2.192320133 0.353792313 0.725416045 0.917487272 -6.92793496 stable

TNNT3 0.005584001 3.532452398 0.353719034 0.72547053 0.917506847 -6.927961246 stable

C6orf195 0.00202158 3.039911336 0.353628891 0.725537557 0.917542281 -6.927993576 stable

SYNM -0.07382188 7.026829816 -0.353456854 0.725665483 0.917654721 -6.928055253 stable

RP11-1017G21.4 0.002103365 3.119295658 0.353370249 0.725729884 0.917686823 -6.92808629 stable

CLYBL-AS2 0.002118244 3.061236375 0.353225686 0.725837389 0.91773496 -6.928138081 stable

TRIM78P 0.032278805 2.062554389 0.353214125 0.725845987 0.91773496 -6.928142223 stable

LRRC37A4P -0.138599037 7.44983973 -0.353161242 0.725885316 0.917735353 -6.928161163 stable

QTRTD1 0.014045109 3.947336823 0.352885294 0.726090547 0.917945485 -6.928259948 stable

ADAMTS18 -0.00192369 3.070277189 -0.352770404 0.726176 0.918001483 -6.928301055 stable

FCGBP -0.086522187 7.93426368 -0.352720796 0.726212899 0.918001483 -6.9283188 stable

LOC100507384 0.003763159 3.330388359 0.352642163 0.726271387 0.91802608 -6.928346922 stable

DSPP 0.025640259 6.484195694 0.352107249 0.726669313 0.918479709 -6.928538064 stable

SEC61A1 -0.024267359 10.03245692 -0.351872974 0.726843615 0.91854991 -6.928621688 stable

ADCYAP1R1 0.00254876 2.916880893 0.351823657 0.726880309 0.91854991 -6.928639284 stable

DOK4 -0.010443998 4.425921378 -0.351821523 0.726881897 0.91854991 -6.928640045 stable

FOXE3 0.001329613 2.275269574 0.351800323 0.726897671 0.91854991 -6.928647609 stable

MIR5188 0.000974693 2.504824833 0.351770159 0.726920115 0.91854991 -6.92865837 stable

NTMT1 -0.026252502 7.606297778 -0.35163362 0.727021712 0.918628938 -6.928707067 stable

OR7E111P /// OR7E111P 0.00291551 3.053736249 0.35157171 0.727067779 0.918637797 -6.928729141 stable

PELI2 0.031714848 9.88870679 0.351448977 0.72715911 0.918683557 -6.928772891 stable

OTUD6B-AS1 0.034042647 7.351581015 0.351418066 0.727182113 0.918683557 -6.928783907 stable

MICALL2 0.004003742 3.312694139 0.351307735 0.727264218 0.918689337 -6.928823219 stable

CNKSR1 -0.052954235 5.349977007 -0.351265128 0.727295926 0.918689337 -6.928838397 stable

CTC-459F4.3 0.030611041 6.884678823 0.351254464 0.727303862 0.918689337 -6.928842196 stable

LIPH 0.002574343 2.630658317 0.351035367 0.727466921 0.918816795 -6.928920215 stable

GGTLC2 -0.006676095 2.302731106 -0.351013905 0.727482895 0.918816795 -6.928927855 stable

DHRS7C 0.00067048 2.374850659 0.350846709 0.727607338 0.918924623 -6.928987356 stable

NKAPP1 -0.023104623 2.992768547 -0.350732674 0.727692217 0.918939522 -6.929027922 stable

FIGN 0.000665807 2.316073891 0.350725883 0.727697272 0.918939522 -6.929030338 stable

SLC6A6 0.053076655 8.585536497 0.350534386 0.727839817 0.918948159 -6.929098429 stable

PDE9A -0.071137842 4.949532655 -0.350434183 0.727914409 0.918948159 -6.929134044 stable

LSM6 0.018212256 11.15366466 0.350358832 0.727970503 0.918948159 -6.929160819 stable

LOC644090 -0.001992607 2.241465546 -0.350355797 0.727972762 0.918948159 -6.929161898 stable

MMP16 0.000915521 2.483269408 0.3503456 0.727980354 0.918948159 -6.929165521 stable

RBM43 -0.049441663 7.649027919 -0.350337018 0.727986742 0.918948159 -6.92916857 stable

TEX36 -0.00138068 2.60324868 -0.350306562 0.728009416 0.918948159 -6.92917939 stable

SPIRE2 0.007589785 3.712435787 0.350296822 0.728016666 0.918948159 -6.92918285 stable

SHANK2 0.001012961 2.464253338 0.350185068 0.728099865 0.919000864 -6.929222543 stable

MELK -0.029763422 3.425554197 -0.350135775 0.728136563 0.919000864 -6.929240047 stable

CNOT6L 0.012903862 3.519818313 0.349880164 0.728326875 0.919191738 -6.929330775 stable

RETN -0.070961472 7.707792091 -0.349809847 0.728379231 0.919208493 -6.929355723 stable

C9orf72 -0.04195637 10.66077578 -0.349604683 0.728532 0.91931352 -6.929428483 stable

LOC100127940 0.000886263 2.488094974 0.349593103 0.728540624 0.91931352 -6.929432589 stable

HS3ST4 0.002111629 2.699110672 0.349426192 0.728664917 0.919372535 -6.929491749 stable

BCAS4 -0.007154911 3.423247129 -0.3494035 0.728681816 0.919372535 -6.929499791 stable

FAM86C1 0.033756948 5.028399102 0.349339983 0.728729117 0.919372535 -6.929522295 stable

PPP2R3A 0.00211768 2.164750843 0.349320346 0.728743741 0.919372535 -6.929529252 stable

CCNJ -0.035304719 7.291528604 -0.34912045 0.728892613 0.91951103 -6.929600046 stable

BIN2 -0.014069665 12.86345155 -0.34894443 0.729023712 0.919561349 -6.92966235 stable

MGC45800 0.000889409 2.722521472 0.348940644 0.729026532 0.919561349 -6.92966369 stable

LOC100286925 -0.017184681 3.220716955 -0.348909423 0.729049787 0.919561349 -6.929674738 stable

OSBPL8 -0.027504653 12.60152096 -0.348833672 0.729106209 0.919583202 -6.929701539 stable

GHET1 0.00049086 2.088283364 0.348778544 0.729147272 0.919585682 -6.92972104 stable

LOC101929019 -0.00126813 2.909253934 -0.348558599 0.729311107 0.919710438 -6.929798812 stable

SNRPD3 -0.011836109 11.29799856 -0.348518736 0.729340802 0.919710438 -6.929812902 stable

DDX46 0.011317239 11.32396392 0.348488271 0.729363497 0.919710438 -6.929823669 stable

DCAF13 0.007613102 3.422955061 0.348158208 0.729609389 0.919839689 -6.929940264 stable

PPY 0.000504902 2.193296915 0.348136654 0.729625447 0.919839689 -6.929947874 stable

ARF6 0.031868119 10.61909952 0.348114442 0.729641996 0.919839689 -6.929955716 stable

PLCB2 0.029839934 9.818684555 0.34809487 0.729656578 0.919839689 -6.929962626 stable

TSPAN4 -0.041757726 8.38784706 -0.348088219 0.729661533 0.919839689 -6.929964974 stable

PMS2P8 -0.017511794 7.750091223 -0.347933456 0.729776843 0.919935748 -6.930019595 stable

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ARHGAP8 /// PRR5-ARHGAP8 0.001065352 2.210205828 0.347539084 0.730070705 0.92014158 -6.930158674 stable

LOC101927410 0.001429615 2.579080786 0.347483836 0.730111876 0.92014158 -6.930178145 stable

BUB1B 0.061437187 3.343741856 0.347427445 0.730153899 0.92014158 -6.930198016 stable

ANKRD30BL /// ANKRD30BP2 /// LOC100132004 /// LOC100132154 0.001337662 2.852886819 0.347349726 0.730211818 0.92014158 -6.930225397 stable

ERBB3 0.001479981 2.718079435 0.347347779 0.730213269 0.92014158 -6.930226083 stable

MUC5B 0.001537202 2.652281109 0.347346842 0.730213968 0.92014158 -6.930226413 stable

DPF1 -0.00269133 3.44396379 -0.347130359 0.730375306 0.920224207 -6.930302649 stable

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LOC101928231 -0.001468591 2.838178105 -0.347045009 0.730438919 0.920227842 -6.930332692 stable

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LOC646482 0.000481144 2.040343889 0.34661181 0.730761818 0.920338869 -6.930485068 stable

SLC17A3 0.000444743 1.968748762 0.346472365 0.730865768 0.920371915 -6.930534076 stable

CRISP3 -0.161377131 4.200794648 -0.346446118 0.730885334 0.920371915 -6.930543298 stable

CD226 0.043450596 9.177078789 0.346323569 0.730976694 0.920371915 -6.93058635 stable

NRAS -0.016147064 9.922713139 -0.346299026 0.730994991 0.920371915 -6.93059497 stable

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BHMT2 -0.00334792 3.34087801 -0.346261678 0.731022836 0.920371915 -6.930608086 stable

OTUD5 0.016726195 8.877386922 0.34608711 0.731152986 0.920486505 -6.930669374 stable

C17orf49 /// RNASEK-C17orf49 -0.016938452 11.38129927 -0.34596157 0.731246587 0.920546209 -6.93071343 stable

NFXL1 0.038266703 7.774426364 0.345918524 0.731278683 0.920546209 -6.930728533 stable

ASB10 0.000703187 1.466542624 0.345838884 0.731338065 0.920563539 -6.93075647 stable

VPS13D 0.015206278 3.316443981 0.345739727 0.731412002 0.920563539 -6.930791244 stable

ASB17 0.001173982 2.552253987 0.345682631 0.731454577 0.920563539 -6.930811262 stable

C2orf71 -0.000620312 2.242840761 -0.345635745 0.73148954 0.920563539 -6.930827699 stable

ROR2 0.003222607 3.428780835 0.34560109 0.731515382 0.920563539 -6.930839846 stable

C1orf87 -0.030336871 2.577601395 -0.345585137 0.731527278 0.920563539 -6.930845438 stable

C1orf105 -0.000677037 2.135413925 -0.34549134 0.731597225 0.920602307 -6.930878308 stable

RAB24 0.034392661 11.84388225 0.345389287 0.731673331 0.920622715 -6.930914062 stable

MOCOS 0.000794583 2.424593328 0.345364624 0.731691724 0.920622715 -6.930922701 stable

MRPL24 -0.013248417 9.988078838 -0.345192064 0.731820417 0.920633039 -6.930983129 stable

MYH7B 0.001033966 2.243716636 0.345177352 0.73183139 0.920633039 -6.930988279 stable

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GPR82 0.013361647 2.750344264 0.345143694 0.731856493 0.920633039 -6.931000061 stable

TAF13 0.058239122 3.757781151 0.345047979 0.73192788 0.920673601 -6.931033561 stable

PEX19 0.021022721 8.677289333 0.344847053 0.732077747 0.920812871 -6.931103855 stable

LOC101927877 0.00158747 2.456333711 0.344697423 0.732189359 0.920904011 -6.931156176 stable

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TEAD1 0.001032218 2.650715831 0.344060225 0.732664726 0.921058633 -6.931378734 stable

GAK -0.012896793 10.20737276 -0.343963286 0.732737054 0.921100329 -6.931412556 stable

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LOC100506476 -0.09364044 3.817428047 -0.34359071 0.733015065 0.921289771 -6.931542461 stable

LOC550113 /// UBA6-AS1 0.00072318 2.396628452 0.343566648 0.733033021 0.921289771 -6.931550846 stable

GID4 0.037105204 6.408815847 0.343529522 0.733060727 0.921289771 -6.931563782 stable

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ST7L -0.013986585 3.754218933 -0.343408172 0.733151286 0.921289771 -6.931606056 stable

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DAPK2 0.016901954 3.614675863 0.343216341 0.73329445 0.921308625 -6.931672851 stable

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C16orf89 -0.011821942 2.487102419 -0.343066547 0.733406249 0.921350659 -6.931724983 stable

BMF 0.047340572 8.517784837 0.342953193 0.733490856 0.921380924 -6.931764419 stable

TAMM41 0.029780514 7.05928342 0.342904526 0.73352718 0.921380924 -6.931781346 stable

CASKIN1 0.000681342 2.304903304 0.342869469 0.733553348 0.921380924 -6.931793538 stable

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GOLGA2P7 /// LOC101929479 /// LOC642423 /// LOC727751 /// LOC80154 -0.036480849 5.721473604 -0.342753416 0.733639974 0.921392439 -6.931833889 stable

C16orf95 0.031560347 5.634660529 0.342564646 0.733780887 0.921392439 -6.931899494 stable

ATP6V0B -0.031773137 11.55956575 -0.342521884 0.733812809 0.921392439 -6.931914351 stable

STAU2 -0.016559529 3.826036379 -0.342441398 0.733872894 0.921392439 -6.931942308 stable

FSHR -0.000565595 2.270350082 -0.342350063 0.73394108 0.921392439 -6.931974027 stable

RCN3 0.032644383 5.639430696 0.342236823 0.734025621 0.921392439 -6.93201334 stable

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RGS8 /// SDHAP3 -0.049859532 7.378289843 -0.342089457 0.734135646 0.921392439 -6.932064483 stable

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SUGP2 -0.030813636 8.285024416 -0.341943521 0.734244609 0.921392439 -6.932115107 stable

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RPL5 /// SNORA66 /// SNORD21 0.00216745 3.187236478 0.341218336 0.734786148 0.921392439 -6.93236635 stable

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TMEM63A -0.026935302 9.482949851 -0.34109832 0.734875784 0.921392439 -6.932407879 stable

PIK3CA 0.015247898 10.40663278 0.341080846 0.734888835 0.921392439 -6.932413925 stable

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SFTA3 -0.002772989 3.263481046 -0.341023533 0.734931642 0.921392439 -6.93243375 stable

NIPSNAP3A 0.037048909 9.319916357 0.340975845 0.734967261 0.921392439 -6.932450244 stable

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CARS-AS1 -0.00060096 2.30872735 -0.340281672 0.735485813 0.921711823 -6.932690077 stable

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LACTB2 -0.033282743 7.318970796 -0.340201035 0.735546058 0.921711823 -6.932717905 stable

KIAA1456 0.000634609 2.204912589 0.340083525 0.735633854 0.921711823 -6.932758447 stable

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COLEC11 0.00083032 2.525066784 0.340006315 0.735691542 0.921711823 -6.932785077 stable

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ASB16 0.000861133 2.208835737 0.33960263 0.735993184 0.921843319 -6.932924212 stable

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HSPB2 0.007217113 3.180145754 0.339432715 0.736120161 0.921860247 -6.932982727 stable

GLUL 0.044504089 11.40122955 0.339427206 0.736124278 0.921860247 -6.932984624 stable

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MBTPS1 0.016870621 10.35348548 0.339216751 0.736281561 0.921959039 -6.933057057 stable

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TMEM14A -0.033199939 8.025546624 -0.338838834 0.736564025 0.922165679 -6.933187015 stable

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LOC100506016 0.00334267 3.080516157 0.338786145 0.736603409 0.922165679 -6.933205122 stable

BC019672 /// USP32P2 -0.00122448 2.598930025 -0.338610408 0.736734774 0.922246518 -6.933265497 stable

BUB3 0.027824454 10.65324449 0.338589738 0.736750226 0.922246518 -6.933272596 stable

THY1 -0.000641161 2.20653274 -0.338542404 0.73678561 0.922246518 -6.933288851 stable

HPSE -0.058989892 9.49372692 -0.338481745 0.736830956 0.922254199 -6.933309679 stable

METTL12 /// SNORA57 -0.002248034 3.470772588 -0.338398857 0.736892921 0.92226095 -6.933338133 stable

B3GNT4 -0.02829031 4.536182151 -0.338340287 0.736936707 0.92226095 -6.933358235 stable

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SLITRK1 -0.001253861 2.412904676 -0.338053633 0.737151021 0.922360313 -6.93345657 stable

SERP1 -0.017710409 11.4026674 -0.337781855 0.737354232 0.922476092 -6.933549725 stable

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HNRNPA3 -0.033263995 12.15577683 -0.337378874 0.737655581 0.922532573 -6.933687714 stable

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C1orf186 /// LOC100505650 /// LOC101929219 -0.111806765 4.916370661 -0.337107239 0.737858732 0.922558564 -6.933780635 stable

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KLHL18 -0.050475959 4.312648631 -0.336916521 0.738001379 0.922558564 -6.933845832 stable

SUGT1 -0.011918151 10.76839792 -0.336897678 0.738015473 0.922558564 -6.933852271 stable

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PRKACG -0.002885597 3.562295547 -0.336709058 0.738156561 0.922581321 -6.933916711 stable

VGLL1 0.001469724 2.766911707 0.336562561 0.738266147 0.922581321 -6.933966735 stable

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C1orf112 0.013856734 4.478075286 0.336329015 0.73844086 0.922581321 -6.934046439 stable

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TNFRSF21 -0.104054897 4.889830724 -0.335901992 0.738760348 0.922705084 -6.93419203 stable

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USP27X-AS1 0.022328378 3.38120321 0.335375465 0.739154347 0.923050141 -6.934371293 stable

HCFC1 -0.026965508 6.312957385 -0.335149427 0.739323513 0.923212378 -6.934448165 stable

TANK 0.01928001 11.11858999 0.33507635 0.739378206 0.923231661 -6.934473006 stable

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ADD3-AS1 -0.003829125 3.150357672 -0.334384566 0.739896028 0.923493095 -6.934707899 stable

CA5BP1 0.026807011 7.49342467 0.334342792 0.739927301 0.923493095 -6.934722068 stable

9-Mar -0.02441707 9.224809747 -0.334274674 0.739978297 0.923493095 -6.934745168 stable

SERF1A /// SERF1B -0.038544041 8.131433103 -0.334248011 0.739998258 0.923493095 -6.934754209 stable

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OAS1 0.06075709 10.24412186 0.333842677 0.740301734 0.923663016 -6.934891559 stable

SIRPG -0.054169816 8.371497619 -0.333828023 0.740312707 0.923663016 -6.934896521 stable

BEX5 -0.066164577 6.326902241 -0.33360294 0.740481247 0.923820671 -6.934972717 stable

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SET /// SETSIP -0.020512045 12.01341279 -0.33330304 0.74070583 0.923825976 -6.935074161 stable

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RNF7 -0.01869574 10.20195756 -0.333142481 0.740826075 0.923825976 -6.935128434 stable

SSX2 /// SSX2B -0.007265787 2.990175861 -0.333129114 0.740836086 0.923825976 -6.935132951 stable

LOC101929272 -0.057541426 4.52095598 -0.332913751 0.740997386 0.923910565 -6.935205706 stable

FERD3L -0.000735326 2.46799672 -0.332912659 0.740998204 0.923910565 -6.935206075 stable

PHF21B 0.000645132 2.369982937 0.33288121 0.741021759 0.923910565 -6.935216695 stable

EHD2 0.012633829 6.136649687 0.332810377 0.741074814 0.923927737 -6.935240611 stable

MAPK15 -0.01464119 3.563214475 -0.332560443 0.741262028 0.924037089 -6.93532496 stable

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KRTAP5-2 0.000618479 2.025312463 0.332422571 0.741365308 0.924037089 -6.935371463 stable

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FCGR1B -0.100040457 9.522396602 -0.332323195 0.741439754 0.92403987 -6.93540497 stable

MUC4 -0.002520466 3.40366279 -0.332199765 0.741532223 0.924106147 -6.935446573 stable

UBE2B 0.013973029 11.34030841 0.332097356 0.741608947 0.924152797 -6.935481079 stable

FAM160A1 -0.000751771 2.695806846 -0.331988866 0.741690229 0.924205122 -6.935517622 stable

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TMEM105 -0.018659438 3.917515876 -0.330911223 0.742497781 0.924560858 -6.935879967 stable

SYT15 -0.001705167 2.239398999 -0.330873541 0.742526024 0.924560858 -6.935892616 stable

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NTRK3-AS1 -0.001900957 2.490684054 -0.330153555 0.74306573 0.924792266 -6.936134023 stable

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MEX3A 0.001271684 2.498115149 0.329158101 0.743812144 0.925324956 -6.936466931 stable

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TNFSF13 -0.059995974 10.49867804 -0.328871857 0.744026823 0.925449757 -6.936562475 stable

GALNT14 -0.008978238 2.617169072 -0.328810924 0.744072525 0.925457662 -6.936582802 stable

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SFXN5 0.029294164 4.015011605 0.328221336 0.744514781 0.925811903 -6.9367793 stable

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SGTB 0.026464716 10.53634824 0.325353627 0.746667126 0.926680167 -6.937730046 stable

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UBE2L6 0.026823371 12.31353168 0.32396802 0.747707824 0.927092272 -6.93818645 stable

PKP4 0.024413023 5.956575533 0.323881215 0.747773038 0.927092272 -6.938214978 stable

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OGT -0.030150368 11.12327035 -0.322473267 0.748831036 0.927303135 -6.938676634 stable

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NDST3 -0.001780026 2.768278689 -0.322424155 0.74886795 0.927303135 -6.938692701 stable

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PEX14 0.013829413 2.979477589 0.321698312 0.749413583 0.927564891 -6.938929882 stable

NXPE3 0.028473793 9.536198055 0.321621335 0.749471456 0.927564891 -6.938955004 stable

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ERCC5 -0.013975337 10.39124018 -0.319649448 0.750954466 0.927633746 -6.939596513 stable

MESP2 -0.003239597 2.672368971 -0.319640816 0.75096096 0.927633746 -6.939599312 stable

LCN15 0.001427163 2.538550347 0.319618606 0.750977669 0.927633746 -6.939606515 stable

LOC101060019 0.001574877 2.920724165 0.319604137 0.750988554 0.927633746 -6.939611208 stable

VKORC1L1 0.020699776 5.709195219 0.319366278 0.75116751 0.927798438 -6.939688314 stable

C10orf12 -0.002334866 2.456025306 -0.319322064 0.751200776 0.927798438 -6.93970264 stable

RANBP17 -0.005312603 2.669977261 -0.319247661 0.751256758 0.927810521 -6.939726744 stable

WDR17 0.004993255 3.52920387 0.319204211 0.751289451 0.927810521 -6.939740818 stable

MAGED1 -0.02716237 9.535582872 -0.31910243 0.751366035 0.927856382 -6.939773778 stable

UBE3B -0.013600087 9.360530698 -0.318732811 0.751644173 0.927864738 -6.939893384 stable

CELF4 0.000693978 2.205083438 0.318609857 0.751736703 0.927864738 -6.93993314 stable

LOC100294341 /// LOC101929774 0.119089649 6.322240564 0.318538601 0.751790329 0.927864738 -6.939956174 stable

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CCDC94 -0.022083599 8.608781019 -0.318312526 0.751960478 0.927864738 -6.940029218 stable

PTPRF -0.001066254 2.580227224 -0.318290841 0.751976798 0.927864738 -6.940036221 stable

TCERG1L 0.000463769 2.117610354 0.318229472 0.752022989 0.927864738 -6.940056039 stable

NDUFS7 0.025547409 9.988410722 0.318189417 0.752053137 0.927864738 -6.940068972 stable

SLC26A10 -0.001046027 2.332019688 -0.318117426 0.752107324 0.927864738 -6.940092213 stable

RNF8 0.018842262 8.630695196 0.318092881 0.752125799 0.927864738 -6.940100135 stable

LIPA -0.042683981 12.6856883 -0.318090937 0.752127262 0.927864738 -6.940100762 stable

TGM7 -0.000856946 2.325276108 -0.318061673 0.752149289 0.927864738 -6.940110207 stable

LMX1B 0.00138125 2.118521463 0.317986374 0.752205968 0.927864738 -6.940134506 stable

RP11-812E19.3 /// RP11-989E6.3 /// SLC6A10P /// SLC6A8 -0.000858394 2.542935658 -0.317969209 0.752218889 0.927864738 -6.940140044 stable

PTGES2 -0.022001888 7.873191016 -0.317920653 0.752255439 0.927864738 -6.940155709 stable

SERPINB12 0.001013848 2.664673571 0.31786727 0.752295623 0.927864738 -6.940172928 stable

THRB-IT1 /// THRB-IT1 -0.002436266 3.211083458 -0.317823831 0.752328322 0.927864738 -6.940186938 stable

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LOC101926951 /// PCDH20 0.000916863 2.338401895 0.317788577 0.75235486 0.927864738 -6.940198306 stable

ANO10 -0.044577327 7.443305822 -0.317773489 0.752366218 0.927864738 -6.940203171 stable

WWP2 0.040242523 7.232277352 0.317698736 0.752422491 0.927864738 -6.940227271 stable

ALDH3B1 0.000536657 1.915953783 0.317685393 0.752432536 0.927864738 -6.940231573 stable

PER3 -0.00281628 3.124585761 -0.317658841 0.752452525 0.927864738 -6.940240131 stable

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ARID4B /// RBM34 0.013196085 11.07636169 0.317516496 0.752559685 0.927864738 -6.940286002 stable

LIMD1-AS1 -0.004533917 2.788454363 -0.31750716 0.752566713 0.927864738 -6.94028901 stable

CBLN4 0.001210688 2.700273205 0.317376806 0.752664852 0.927864738 -6.940330997 stable

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HERC5 0.047940946 9.310168758 0.317262349 0.752751026 0.927864738 -6.940367851 stable

ZNF429 0.003211306 2.69874266 0.317177829 0.752814662 0.927864738 -6.940395056 stable

ATP1B2 -0.009795523 2.89913021 -0.317169449 0.752820972 0.927864738 -6.940397753 stable

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RNASE6 -0.037677661 11.85386925 -0.316919978 0.753008813 0.927887693 -6.940478008 stable

TMEM116 0.029223779 6.946900823 0.316812527 0.753089723 0.927938781 -6.940512556 stable

VPS4A -0.010354977 9.546371638 -0.316684488 0.753186141 0.927947485 -6.940553709 stable

GPRC5A -0.000448636 2.182492357 -0.316629045 0.753227892 0.927947485 -6.940571523 stable

CYP2R1 0.04067289 5.740988213 0.316613 0.753239975 0.927947485 -6.940576678 stable

ARG1 -0.12841197 5.161002421 -0.316515834 0.753313149 0.927947485 -6.94060789 stable

ARHGAP35 0.010269695 7.421182739 0.316459042 0.753355918 0.927947485 -6.940626128 stable

AF086184 0.009651671 2.684705714 0.316407824 0.753394491 0.927947485 -6.940642573 stable

FAM201B /// LOC648761 0.00616052 2.597480597 0.316373689 0.753420198 0.927947485 -6.940653532 stable

PPP1R37 0.005237517 2.841517359 0.316344728 0.75344201 0.927947485 -6.940662829 stable

ABCB8 -0.008348206 6.085492866 -0.316297715 0.753477417 0.927947485 -6.940677919 stable

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CLDN17 -0.00091519 2.43132516 -0.316118523 0.753612377 0.928015383 -6.940735414 stable

FAM91A1 -0.016667736 10.1676292 -0.316101301 0.753625349 0.928015383 -6.940740938 stable

LIG3 0.018053938 7.925551683 0.315842116 0.753820572 0.928207186 -6.940824038 stable

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SYNCRIP -0.020947828 8.003042876 -0.315441161 0.754122611 0.928238942 -6.940952459 stable

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CTD-2033C11.1 0.000776892 2.29171525 0.315042858 0.754422692 0.928334061 -6.941079869 stable

CTSG -0.09604117 3.090216538 -0.315002933 0.754452773 0.928334061 -6.941092632 stable

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SULT1A2 -0.039460745 9.849757481 -0.314508088 0.754825647 0.928334061 -6.941250682 stable

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MITD1 -0.017125196 11.01836654 -0.314467166 0.754856484 0.928334061 -6.941263741 stable

GPX5 0.000738832 2.585942439 0.314448104 0.754870849 0.928334061 -6.941269823 stable

CACNA1B -0.000579218 2.196363102 -0.31433715 0.754954464 0.928378667 -6.94130522 stable

APOLD1 0.027883766 3.626277766 0.314206658 0.755052808 0.928378667 -6.941346835 stable

EIF3C /// EIF3CL -0.024730987 12.2129757 -0.314182577 0.755070956 0.928378667 -6.941354513 stable

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INPP4B -0.002539582 3.171971324 -0.314026015 0.755188953 0.928378667 -6.941404414 stable

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RP1-93H18.6 0.061860024 6.779658874 0.313980998 0.755222882 0.928378667 -6.941418758 stable

RPLP1 0.00471962 16.16839099 0.313898351 0.755285174 0.92840672 -6.941445087 stable

LOC100422737 -0.000772948 2.562943288 -0.313726567 0.755414655 0.928507906 -6.94149979 stable

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TTC3 /// TTC3P1 -0.039494275 7.187378267 -0.313579655 0.755525395 0.928507906 -6.941546549 stable

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TRABD2B -0.002189649 2.721486639 -0.31307167 0.755908345 0.928687396 -6.941708062 stable

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SERP2 0.014949827 4.712641625 0.312275948 0.756508335 0.929133337 -6.941960538 stable

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ABCF2 0.015469718 9.655099481 0.311060591 0.757425031 0.929546848 -6.942344925 stable

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SNAP29 0.030898289 9.540056917 0.311033193 0.757445701 0.929546848 -6.942353574 stable

CAPZA3 0.001942591 2.451978767 0.310949396 0.757508919 0.929546848 -6.942380019 stable

TENM3 0.000420832 2.008335435 0.31088982 0.757553866 0.929546848 -6.942398817 stable

ACTR3BP2 0.000638874 2.482863482 0.310843928 0.757588489 0.929546848 -6.942413294 stable

SERPINB3 /// SERPINB4 0.000431257 2.168482966 0.310820515 0.757606153 0.929546848 -6.942420679 stable

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RXRB 0.01282387 10.12347819 0.310573081 0.75779284 0.929558403 -6.942498694 stable

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MAPRE2 0.019156227 12.00899545 0.310234013 0.75804869 0.929558403 -6.9426055 stable

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STAP2 0.00305828 3.905531208 0.309818277 0.758362426 0.929607782 -6.942736297 stable

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AKNAD1 0.001302029 2.685131325 0.309773149 0.758396486 0.929607782 -6.942750485 stable

DNAJB8-AS1 -0.001005887 2.421481431 -0.309682384 0.758464988 0.92961524 -6.942779014 stable

FTHL17 0.001509005 2.766976246 0.309660354 0.758481615 0.92961524 -6.942785937 stable

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GLYATL2 -0.126373091 4.166910783 -0.308431516 0.759409252 0.929630962 -6.943171335 stable

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P2RX7 0.059687886 7.21234477 0.307780741 0.759900661 0.929630962 -6.943374818 stable

KMT2A -0.017618213 4.043278328 -0.307765393 0.759912252 0.929630962 -6.943379612 stable

GTF2H3 -0.036037249 9.713920887 -0.307757027 0.759918569 0.929630962 -6.943382225 stable

SLC8A2 -0.000609903 1.849401231 -0.307727213 0.759941085 0.929630962 -6.943391536 stable

VAT1L -0.001352913 3.020300392 -0.30768618 0.759972074 0.929630962 -6.94340435 stable

MMP2 0.00090823 2.825682848 0.307685207 0.759972809 0.929630962 -6.943404654 stable

SNX21 0.070735898 5.009790754 0.307648861 0.760000258 0.929630962 -6.943416002 stable

SH3PXD2B -0.000793539 2.237680679 -0.307640882 0.760006283 0.929630962 -6.943418493 stable

GLDN 0.000840836 2.57788862 0.307541027 0.760081698 0.929630962 -6.943449664 stable

UBXN10 -0.016148834 5.071788956 -0.307489148 0.76012088 0.929630962 -6.943465855 stable

NDUFB10 -0.015682943 11.51172645 -0.307412955 0.760178425 0.929630962 -6.943489628 stable

LIN28A -0.002037596 2.710540106 -0.307332614 0.760239106 0.929630962 -6.94351469 stable

EMX2 0.001003676 2.400421498 0.307301057 0.760262941 0.929630962 -6.943524531 stable

LRP4 0.000798211 2.511617775 0.307292176 0.760269649 0.929630962 -6.943527301 stable

KIZ /// PLK1S1 -0.049459989 6.642577266 -0.307257324 0.760295974 0.929630962 -6.94353817 stable

CD55 -0.026251472 11.94107178 -0.307205203 0.760335342 0.929630962 -6.943554421 stable

BORA 0.020376174 7.948658834 0.307164557 0.760366042 0.929630962 -6.943567092 stable

AKAP4 0.001645722 3.190413906 0.307125709 0.760395386 0.929630962 -6.943579201 stable

MEFV 0.036439913 6.106802085 0.307067687 0.760439213 0.929630962 -6.943597284 stable

SUOX 0.040156044 6.06441873 0.307015288 0.760478793 0.929630962 -6.943613612 stable

SLC52A1 0.001895312 2.960931216 0.307011629 0.760481557 0.929630962 -6.943614752 stable

LSAMP 0.000457871 2.416107638 0.306947301 0.76053015 0.929630962 -6.943634793 stable

WFS1 -0.022687124 4.427830919 -0.30692147 0.760549662 0.929630962 -6.943642839 stable

RAB37 -0.024147932 10.84151843 -0.306811637 0.760632631 0.929684063 -6.943677044 stable

EHBP1 0.020889098 6.458512985 0.306717383 0.760703834 0.929722779 -6.943706388 stable

CMYA5 0.007961453 2.38084888 0.306517514 0.760854828 0.929859005 -6.943768582 stable

ABCC11 0.00044193 1.993312081 0.306379082 0.760959414 0.929916192 -6.943811635 stable

RPL3 0.008101656 15.07953067 0.306350919 0.760980693 0.929916192 -6.943820391 stable

ATP6V1H 0.048224771 4.877983926 0.306270245 0.761041645 0.929941043 -6.94384547 stable

UGT1A1 /// UGT1A3 /// UGT1A5 /// UGT1A8 /// UGT1A9 -0.000769924 2.283734331 -0.306166128 0.761120312 0.929941043 -6.943877827 stable

LILRB2 0.052183739 11.09916671 0.306126042 0.7611506 0.929941043 -6.943890281 stable

LETM2 0.013098501 2.664543064 0.306114693 0.761159175 0.929941043 -6.943893807 stable

GTPBP4 /// IDI2 0.026693906 6.323908849 0.30604469 0.761212069 0.929957361 -6.943915552 stable

MPDZ -0.000854283 2.363397361 -0.305976748 0.761263407 0.929971777 -6.943936653 stable

ZNRD1-AS1 0.030731759 5.076979624 0.305815779 0.761385041 0.930072062 -6.943986625 stable

GSX2 -0.000801871 2.379477169 -0.305672122 0.761493599 0.930118763 -6.944031201 stable

MRPL51 /// SPTLC1 0.019992254 9.114125855 0.305660528 0.76150236 0.930118763 -6.944034797 stable

DPYSL2 -0.032573304 12.06828412 -0.305432129 0.761674966 0.930232412 -6.944105623 stable

MRPL47 -0.021613664 10.64429687 -0.305404281 0.761696012 0.930232412 -6.944114254 stable

LINC00652 -0.002436543 2.885563673 -0.305380409 0.761714054 0.930232412 -6.944121653 stable

N4BP2L2 -0.051589195 9.172437369 -0.30526457 0.761801602 0.930291027 -6.944157548 stable

PRSS55 0.000741252 2.43435713 0.304949438 0.762039786 0.930533579 -6.944255128 stable

RP11-862L9.3 -0.006839809 3.602930175 -0.304889766 0.762084891 0.930540347 -6.944273595 stable

ZNF428 -0.000589072 2.177321793 -0.304657066 0.762260789 0.930650612 -6.944345572 stable

LINC00930 0.004524004 2.808020285 0.304615246 0.762292403 0.930650612 -6.944358502 stable

DBNDD2 /// SYS1 /// SYS1-DBNDD2 0.026496528 8.273666797 0.304518241 0.762365733 0.930650612 -6.944388486 stable

LOC101927098 -0.001775593 2.625663072 -0.304512127 0.762370355 0.930650612 -6.944390376 stable

DKFZp564H213 0.000694238 2.475931394 0.304490039 0.762387053 0.930650612 -6.944397202 stable

CDK19 -0.038630602 5.295545495 -0.304456253 0.762412594 0.930650612 -6.944407642 stable

IDI2 0.000748246 2.170458183 0.304383355 0.762467705 0.930669584 -6.944430164 stable

ATP6V0A4 0.00052105 2.257585764 0.3041112 0.762673461 0.930703267 -6.944514201 stable

HRSP12 -0.030766612 7.092555862 -0.304099152 0.76268257 0.930703267 -6.944517919 stable

DDX42 -0.008772426 3.591848722 -0.304088762 0.762690426 0.930703267 -6.944521126 stable

SND1-IT1 -0.050498561 7.572046095 -0.304023308 0.762739914 0.930703267 -6.944541324 stable

ISG15 0.044113728 11.26482244 0.303967942 0.762781775 0.930703267 -6.944558406 stable

GOLGA8CP /// GOLGA8DP /// GOLGA8EP /// GOLGA8F /// GOLGA8G 0.012128528 4.667237599 0.303954967 0.762791586 0.930703267 -6.944562409 stable

KIAA0930 0.034681731 9.138079443 0.303804319 0.762905493 0.930703267 -6.94460887 stable

ESR2 /// RP11-544I20.2 0.003609435 3.391475939 0.303768303 0.762932725 0.930703267 -6.944619974 stable

LINC00908 /// LINC00908 -0.002652006 2.574024517 -0.303760775 0.762938417 0.930703267 -6.944622295 stable

AC090627.1 -0.001483945 2.823254584 -0.303729732 0.76296189 0.930703267 -6.944631865 stable

GVQW1 -0.006837518 4.296517081 -0.303719101 0.762969929 0.930703267 -6.944635142 stable

RGS1 -0.113572289 5.397275666 -0.30367752 0.763001371 0.930703267 -6.944647959 stable

LOC100289361 -0.014435759 2.987910702 -0.303666508 0.763009698 0.930703267 -6.944651352 stable

MEGF11 0.002067516 2.983561078 0.30355909 0.763090925 0.930754078 -6.944684452 stable

NFE2L3 0.063315317 7.081679715 0.303388235 0.763220127 0.930863397 -6.944737076 stable

LOC100996732 /// LOC100996735 /// LOC645166 /// LOC654342 0.049802882 4.499749059 0.303119717 0.763423196 0.931062792 -6.94481972 stable

NDST2 -0.031782391 4.833308536 -0.302943793 0.76355625 0.931134333 -6.944873826 stable

GPA33 -0.03884758 7.892936425 -0.302937472 0.763561031 0.931134333 -6.944875769 stable

APOE -0.003532532 2.503695168 -0.302770094 0.763687628 0.931240432 -6.944927217 stable

CCNI 0.014114942 13.43553941 0.302595934 0.763819362 0.931352784 -6.944980719 stable

KMT2E-AS1 -0.00547739 4.253994103 -0.302437781 0.763938994 0.931450369 -6.945029277 stable

BAIAP2 0.016928077 2.546215966 0.302303501 0.764040572 0.931525933 -6.945070486 stable

ENTPD1 -0.060517599 8.947857061 -0.302044256 0.764236694 0.931696595 -6.945149993 stable

BABAM1 -0.012367522 10.4392382 -0.301972787 0.764290765 0.931696595 -6.9451719 stable

STX18 -0.021411636 8.47108708 -0.301961394 0.764299384 0.931696595 -6.945175391 stable

RDH13 0.049939828 6.663273177 0.301856417 0.764378807 0.931745125 -6.945207559 stable

C6orf147 /// KHDC1 -0.002882109 2.959859867 -0.301803945 0.764418507 0.93174523 -6.945223633 stable

DUXAP10 /// LINC01296 0.002149126 3.208351212 0.301749074 0.764460023 0.931747549 -6.945240439 stable

CYGB -0.000559506 2.228964325 -0.301417743 0.764710725 0.931970783 -6.945341857 stable

LOC102724316 -0.020551481 3.275864359 -0.301402221 0.76472247 0.931970783 -6.945346605 stable

KCNA4 -0.001868571 3.193889665 -0.301349921 0.764762046 0.931970783 -6.945362603 stable

ACSL4 -0.036326534 8.047701397 -0.301234927 0.764849064 0.932013686 -6.945397767 stable

LOC101927988 0.005125923 3.255836439 0.301150691 0.764912809 0.932013686 -6.945423518 stable

RPS4XP2 /// RPS4XP2 -0.014007706 14.06568777 -0.301142156 0.764919268 0.932013686 -6.945426127 stable

DKFZP434I0714 /// MIR4453 0.016221886 7.652595874 0.301093947 0.764955751 0.932013686 -6.94544086 stable

RASEF 0.067106697 9.998640014 0.30080405 0.765175144 0.932232703 -6.945529409 stable

SCYL1 0.018722078 8.615659739 0.300557401 0.765361824 0.932266247 -6.945604682 stable

DIAPH3-AS1 -0.012530449 5.717596701 -0.300538868 0.765375852 0.932266247 -6.945610335 stable

LY6G6E 0.002659388 2.991273532 0.300535533 0.765378376 0.932266247 -6.945611352 stable

LOC102723620 -0.000479818 2.230401443 -0.300528043 0.765384045 0.932266247 -6.945613637 stable

NOP2 0.011630305 9.180028808 0.300505835 0.765400854 0.932266247 -6.945620411 stable

GABARAPL3 0.005795119 4.19370594 0.300415147 0.765469497 0.932301576 -6.945648066 stable

RP11-1277A3.1 -0.014696264 4.870748949 -0.300346355 0.765521568 0.932303375 -6.945669039 stable

FAXC 0.002616634 3.249048711 0.300271446 0.76557827 0.932303375 -6.945691872 stable

SULT1A1 -0.045285602 10.89666986 -0.300256102 0.765589885 0.932303375 -6.945696548 stable

RAB42 0.001622182 2.4566747 0.300148494 0.765671342 0.932351828 -6.945729336 stable

FAM53A -0.017087756 5.917757552 -0.30006588 0.76573388 0.932351828 -6.9457545 stable

ATXN8OS -0.001636622 2.814673149 -0.300015851 0.765771752 0.932351828 -6.945769736 stable

BEST3 0.000855025 2.494794223 0.299975215 0.765802515 0.932351828 -6.945782109 stable

TMEM75 -0.001112845 2.933406258 -0.299869323 0.765882679 0.932351828 -6.945814344 stable

HMGB3 0.037809024 3.209488682 0.299793046 0.765940425 0.932351828 -6.945837556 stable

LOC101926907 0.011616836 2.771934956 0.299725722 0.765991395 0.932351828 -6.945858039 stable

ACAP2 -0.040660355 9.924089682 -0.299697063 0.766013092 0.932351828 -6.945866757 stable

IFI6 0.059321128 9.344211008 0.299673477 0.766030949 0.932351828 -6.945873932 stable

SPAG4 -0.001912214 2.108594211 -0.299659322 0.766041666 0.932351828 -6.945878237 stable

KIF12 -0.000979566 2.386983606 -0.299589246 0.766094721 0.932351828 -6.945899548 stable

WDR92 0.027070387 8.635480546 0.299575216 0.766105344 0.932351828 -6.945903814 stable

PRMT3 -0.017072368 7.791716067 -0.299509803 0.76615487 0.93236386 -6.945923702 stable

CASC11 -0.000709595 2.194112355 -0.299442281 0.766205993 0.932377834 -6.945944226 stable

ABHD4 0.028345613 8.638709964 0.299337496 0.766285332 0.93242614 -6.945976067 stable

MYPOP 0.025101893 8.181700219 0.29927916 0.766329503 0.93242946 -6.945993789 stable

POLR2D 0.021324174 8.501625882 0.299173871 0.766409228 0.93242946 -6.946025767 stable

TMEM64 -0.034200759 7.619906288 -0.299165593 0.766415496 0.93242946 -6.94602828 stable

SEMA4G 0.000517326 2.250137888 0.299092802 0.766470615 0.93242946 -6.94605038 stable

BPIFA3 0.004710743 2.622157886 0.299072126 0.766486272 0.93242946 -6.946056657 stable

KREMEN1 0.005628177 2.414920422 0.2989344 0.766590565 0.932508103 -6.946098455 stable

LOC101928101 0.002200586 2.86486698 0.298816392 0.76667993 0.932532506 -6.946134253 stable

POP7 0.035500161 8.104715215 0.298803201 0.76668992 0.932532506 -6.946138254 stable

PIN1 -0.0132267 8.844223778 -0.29865589 0.766801481 0.93254955 -6.94618292 stable

PPM1J -0.049617448 4.435244041 -0.298630559 0.766820664 0.93254955 -6.946190598 stable

LOC100128281 0.004757748 2.881490462 0.29862764 0.766822875 0.93254955 -6.946191483 stable

MIR4755 0.021808429 4.013539811 0.298428409 0.766973765 0.93264335 -6.94625185 stable

MIR7114 /// NSMF 0.025507728 9.099135283 0.298421028 0.766979356 0.93264335 -6.946254086 stable

ZNF705G 0.000911451 2.863765463 0.298368737 0.767018961 0.93264335 -6.946269924 stable

CTD-2008P7.1 0.021315993 5.464139169 0.298161931 0.7671756 0.932785593 -6.946332532 stable

SAGE1 0.002759621 3.080289818 0.298089157 0.767230723 0.932804395 -6.946354553 stable

RAPGEF6 0.038838677 9.456322533 0.297933375 0.767348725 0.932853618 -6.946401674 stable

RPL26L1 0.022860528 9.523784255 0.297930994 0.767350529 0.932853618 -6.946402394 stable

BTF3P12 /// BTF3P12 -0.012504314 4.526473526 -0.297829234 0.767427613 0.93289911 -6.946433161 stable

AOC3 0.00216045 2.904550184 0.297760192 0.767479915 0.932914475 -6.94645403 stable

LINC00687 0.000445617 2.230960024 0.297637215 0.767573076 0.932979501 -6.94649119 stable

PTPN5 0.000699528 2.149391173 0.297510554 0.767669032 0.933047918 -6.946529446 stable

PRPF8 -0.013214662 11.68651252 -0.297274856 0.767847603 0.93320156 -6.946600594 stable

TSIX 0.0247324 7.050150519 0.297217188 0.767891296 0.93320156 -6.946617993 stable

APBA2 0.039060535 9.297573188 0.297132536 0.767955434 0.93320156 -6.946643527 stable

SPOCK2 0.032444186 10.53837113 0.297059982 0.768010408 0.93320156 -6.946665406 stable

C10orf62 -0.003330521 2.399740477 -0.297031118 0.768032279 0.93320156 -6.946674109 stable

RLN2 0.041601135 4.776461065 0.296990542 0.768063024 0.93320156 -6.946686341 stable

ZNF213 0.030158845 8.190794313 0.296977153 0.768073169 0.93320156 -6.946690377 stable

RCC1 0.020578006 8.337330795 0.296845908 0.768172617 0.93327418 -6.946729931 stable

NPRL3 -0.030449748 9.19974055 -0.29672612 0.768263389 0.933274979 -6.946766016 stable

DMD -0.01714339 2.792582601 -0.296723027 0.768265732 0.933274979 -6.946766948 stable

KRTAP4-11 0.000840668 2.237171012 0.296687955 0.76829231 0.933274979 -6.94677751 stable

ECEL1 0.001059131 2.602260223 0.296602952 0.768356724 0.933305025 -6.946803105 stable

LRRC17 -0.002180159 2.45568526 -0.296533332 0.768409483 0.933320911 -6.946824062 stable

FCN1 0.040990942 14.51390676 0.296463008 0.768462777 0.933335529 -6.946845226 stable

CTAGE11P -0.002284008 2.781133039 -0.29640088 0.768509861 0.933335529 -6.94686392 stable

CCBE1 -0.002098063 2.648795811 -0.29636037 0.768540561 0.933335529 -6.946876106 stable

RBPMS 0.000822171 2.428684397 0.295949863 0.768851688 0.93345713 -6.946999508 stable

DEFB1 0.00460837 3.24140128 0.295930905 0.768866057 0.93345713 -6.947005203 stable

RP11-490G2.2 -0.000973894 2.541654866 -0.295916646 0.768876865 0.93345713 -6.947009485 stable

CAMKK1 -0.000910073 2.412589438 -0.295911994 0.768880392 0.93345713 -6.947010883 stable

TMEM178A 0.001031002 2.601024631 0.2958984 0.768890695 0.93345713 -6.947014966 stable

KHDRBS1 -0.007767493 13.14661985 -0.295857674 0.768921565 0.93345713 -6.947027197 stable

KALP /// KALP 0.000493343 2.143149595 0.29582943 0.768942973 0.93345713 -6.947035678 stable

TMEM150C -0.004469377 3.234942262 -0.295809367 0.76895818 0.93345713 -6.947041703 stable

LOC286161 -0.021831896 7.210013306 -0.295754905 0.768999462 0.933459068 -6.947058054 stable

UPK3A -0.076402459 4.964417759 -0.295695778 0.769044281 0.933465297 -6.947075802 stable

FUCA1 0.046601483 10.11082619 0.295614963 0.769105541 0.933491481 -6.947100055 stable

PMEL 0.0007426 2.576794863 0.295519359 0.769178012 0.93349583 -6.947128737 stable

TNFRSF10B 0.050244593 7.478690799 0.295505526 0.769188499 0.93349583 -6.947132887 stable

RP1-202O8.3 -0.001145027 2.424187986 -0.295412945 0.769258681 0.933532837 -6.947160652 stable

LOC100506289 -0.003015325 3.168498756 -0.295318067 0.769330607 0.933537021 -6.947189097 stable

LINC00478 0.001271364 2.805250457 0.295303688 0.769341509 0.933537021 -6.947193407 stable

PCDH17 0.001102814 2.526891964 0.295190347 0.769427434 0.933593123 -6.947227374 stable

CLEC4D -0.071516372 7.982224385 -0.295087276 0.769505577 0.933622424 -6.947258252 stable

AC018462.2 /// BC071802 0.032250039 5.738222092 0.295053783 0.76953097 0.933622424 -6.947268284 stable

OR10J1 -0.000374429 1.994178419 -0.294832719 0.769698577 0.933777607 -6.947334467 stable

RPS4X -0.005370992 15.13004065 -0.294706023 0.769794642 0.933780981 -6.947372375 stable

C6 -0.000390228 2.000749619 -0.294684536 0.769810935 0.933780981 -6.947378803 stable

RP11-166P13.4 -0.011716502 3.251207401 -0.294671975 0.769820459 0.933780981 -6.94738256 stable

PAX2 0.000460186 2.062370597 0.294580411 0.769889888 0.93381704 -6.947409943 stable

LOC101929255 -0.000938917 2.8963139 -0.294514783 0.769939652 0.933829246 -6.947429565 stable

ITM2B -0.014562196 14.65827071 -0.294319428 0.770087791 0.933960758 -6.947487946 stable

TCRA /// TCRA /// TRAV10 /// TRAV10 /// YME1L1 0.058345914 6.799112726 0.294076837 0.770271762 0.933982866 -6.947560391 stable

FAM161B 0.02209692 4.234387079 0.294053799 0.770289234 0.933982866 -6.947567268 stable

SIGLEC11 0.018170914 2.672469728 0.293979493 0.770345587 0.933982866 -6.947589444 stable

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TTTY12 0.000394735 2.052993617 0.293751923 0.770518184 0.933982866 -6.947657327 stable

ISPD-AS1 -0.001552781 2.557542787 -0.293705577 0.770553336 0.933982866 -6.947671145 stable

TM4SF1 0.02172964 3.111511636 0.293691206 0.770564236 0.933982866 -6.94767543 stable

NLRP7 -0.057608244 4.171742903 -0.293684886 0.77056903 0.933982866 -6.947677314 stable

ITPKA 0.000638748 2.446504914 0.293650549 0.770595073 0.933982866 -6.947687549 stable

SERPINE2 0.111037436 7.618964075 0.293611289 0.770624852 0.933982866 -6.947699251 stable

CYP20A1 0.014774965 9.315107249 0.293587199 0.770643124 0.933982866 -6.947706431 stable

SLC1A5 -0.025165416 9.598315148 -0.293555058 0.770667503 0.933982866 -6.947716008 stable

IGSF6 0.055415306 9.143757897 0.293502856 0.770707098 0.933982866 -6.947731562 stable

TTTY4 /// TTTY4B /// TTTY4C 0.000987865 2.78783193 0.293499311 0.770709787 0.933982866 -6.947732618 stable

TNRC6C 0.031723783 6.21351404 0.293481908 0.770722988 0.933982866 -6.947737803 stable

LRRIQ1 -0.000879538 2.776280491 -0.293457693 0.770741355 0.933982866 -6.947745016 stable

LOC101928669 /// LOC101930100 /// LOC644450 0.057071175 3.61217078 0.293361958 0.770813974 0.934019554 -6.947773529 stable

SLC34A3 -0.00253218 2.491416392 -0.293292979 0.770866298 0.934019554 -6.947794068 stable

UMODL1 -0.001214986 2.547756713 -0.293244154 0.770903335 0.934019554 -6.947808602 stable

PHLDA3 -0.003206647 3.11441842 -0.29320008 0.770936769 0.934019554 -6.947821721 stable

ZNF280B 0.002038014 3.016840651 0.293156035 0.770970181 0.934019554 -6.947834829 stable

TCP11 0.000523501 2.097948143 0.293011278 0.771079995 0.934100384 -6.947877894 stable

DDX1 0.011286236 10.73091168 0.292963386 0.771116328 0.934100384 -6.947892138 stable

RP11-543C4.1 0.000442416 2.226796977 0.292772646 0.771261035 0.934227562 -6.947948842 stable

LPP -0.041311364 3.998792165 -0.292680986 0.771330577 0.934263685 -6.947976078 stable

LARP4B -0.01237134 9.369922446 -0.292530605 0.771444674 0.934284029 -6.948020744 stable

FLJ35934 0.025245748 4.741077747 0.292498632 0.771468933 0.934284029 -6.948030238 stable

NUDT2 0.054086136 7.154499755 0.292471479 0.771489535 0.934284029 -6.9480383 stable

RP11-382B18.4 -0.031174321 3.052619221 -0.292428321 0.771522282 0.934284029 -6.948051112 stable

OTOP2 0.003618138 2.699702982 0.292344043 0.77158623 0.934284029 -6.948076125 stable

H2AFV 0.013398193 12.00064163 0.292318101 0.771605914 0.934284029 -6.948083823 stable

ANKS6 -0.006717719 3.085555976 -0.292292391 0.771625422 0.934284029 -6.948091452 stable

PYGO1 -0.000552266 2.40188839 -0.292233419 0.77167017 0.934290115 -6.948108947 stable

COL17A1 0.000450513 2.082427906 0.29214332 0.771738538 0.934324797 -6.94813567 stable

HS3ST3A1 0.001776218 3.014575402 0.2919416 0.771891613 0.934457331 -6.948195471 stable

AX747191 0.016046525 4.609129097 0.291894355 0.771927466 0.934457331 -6.94820947 stable

AKAP10 0.025213042 6.963475742 0.291781716 0.772012948 0.934477337 -6.948242839 stable

HSCB -0.022758248 8.891118834 -0.291767874 0.772023452 0.934477337 -6.948246939 stable

RP1-78O14.1 0.001151253 2.678453554 0.291690773 0.772081965 0.934500073 -6.948269771 stable

1-Sep 0.030063502 10.30037926 0.291608888 0.772144111 0.934527202 -6.948294013 stable

GABRP 0.000659725 2.283211442 0.291538635 0.77219743 0.934543646 -6.948314807 stable

KPNA6 0.025002417 9.345651415 0.291354942 0.77233685 0.934641813 -6.948369152 stable

NEIL2 -0.020581158 4.378961715 -0.291296525 0.772381189 0.934641813 -6.948386428 stable

AC002310.7 /// ZNF785 0.009330271 3.806038368 0.291274702 0.772397753 0.934641813 -6.94839288 stable

MAGEA10 -0.000591851 2.350401669 -0.291174292 0.772473967 0.934677934 -6.948422564 stable

LOC221122 0.003234224 3.434700116 0.291130668 0.772507081 0.934677934 -6.948435457 stable

FGF17 0.000896818 2.494666379 0.291068493 0.772554276 0.934686956 -6.94845383 stable

SIGLEC15 0.023476148 6.09790619 0.290936469 0.772654492 0.934760123 -6.94849283 stable

HAL 0.066288386 8.245677593 0.290858426 0.772713735 0.934760628 -6.948515875 stable

ECI1 0.025186045 8.670883044 0.290831214 0.772734392 0.934760628 -6.948523909 stable

ZNRF2P1 0.001913558 2.457979581 0.290667952 0.772858332 0.934837864 -6.948572095 stable

HIRIP3 0.020228758 8.298019898 0.29060103 0.772909137 0.934837864 -6.948591839 stable

ZFHX4-AS1 0.003812265 3.300005873 0.29054629 0.772950694 0.934837864 -6.948607985 stable

LOC100132319 0.001233077 2.720510377 0.290537694 0.77295722 0.934837864 -6.948610521 stable

LOC101929597 /// TBCD 0.010383664 3.482086346 0.290350857 0.773099069 0.934898328 -6.948665607 stable

HAAO 0.027880916 4.543162959 0.290272588 0.773158493 0.934898328 -6.948688673 stable

NUP205 0.012727958 10.0290261 0.290211452 0.773204911 0.934898328 -6.948706686 stable

EOGT 0.021247983 6.332142015 0.290179962 0.77322882 0.934898328 -6.948715962 stable

ATPIF1 -0.012535708 11.64867101 -0.29015232 0.773249808 0.934898328 -6.948724104 stable

NADK 0.046019933 9.631856705 0.290151581 0.77325037 0.934898328 -6.948724322 stable

ZNF814 -0.013903687 3.424810024 -0.2900246 0.773346785 0.934898328 -6.948761715 stable

LOC401220 -0.001043721 2.742004273 -0.289954385 0.7734001 0.934898328 -6.948782384 stable

IGSF22 -0.01284933 6.03642574 -0.289954275 0.773400184 0.934898328 -6.948782417 stable

RMST -0.004278765 3.650118709 -0.289921343 0.773425189 0.934898328 -6.948792109 stable

LY96 -0.043971829 10.71154255 -0.289895998 0.773444435 0.934898328 -6.948799568 stable

ZNF259P1 -0.003121412 3.370857904 -0.289797859 0.773518956 0.934940358 -6.948828444 stable

SIPA1L1 0.020964923 7.887298087 0.289733522 0.773567811 0.934951364 -6.948847369 stable

COX5B -0.017209614 11.87770361 -0.289680183 0.773608316 0.934952276 -6.948863055 stable

PNKP -0.020796937 9.037514391 -0.289123877 0.774030799 0.935382849 -6.949026488 stable

C7orf55 /// C7orf55-LUC7L2 /// LUC7L2 0.028860695 7.989018258 0.289099831 0.774049063 0.935382849 -6.949033545 stable

MAMDC4 -0.018060171 3.293632369 -0.289053978 0.774083889 0.935382849 -6.949047001 stable

EPB41L3 0.053286302 10.00201317 0.28889981 0.774200985 0.935464708 -6.949092227 stable

KCNK6 -0.02672001 7.022536093 -0.288860063 0.774231175 0.935464708 -6.949103883 stable

ATP5O 0.001994991 2.908194252 0.288728171 0.774331358 0.935537697 -6.949142549 stable

SCN8A -0.010948254 3.401602567 -0.288410868 0.774572392 0.935730856 -6.9492355 stable

RP11-498C9.15 0.014562527 5.110361701 0.288351743 0.774617307 0.935730856 -6.949252809 stable

ARMC3 -0.000606088 2.273805067 -0.288226251 0.774712643 0.935730856 -6.949289535 stable

FABP3 0.000553519 2.423768232 0.288203708 0.774729769 0.935730856 -6.949296131 stable

AIF1 -0.000503214 2.093725265 -0.288174441 0.774752004 0.935730856 -6.949304693 stable

DCTN1-AS1 0.002575281 3.175441182 0.288158986 0.774763745 0.935730856 -6.949309214 stable

MSH5 /// MSH5-SAPCD1 /// SAPCD1 -0.02396216 6.961666968 -0.288126345 0.774788544 0.935730856 -6.949318762 stable

PRH1 /// PRH1-PRR4 /// PRR4 -0.000442421 2.209070552 -0.288041124 0.774853289 0.935730856 -6.949343685 stable

ENPEP 0.001814115 3.048713514 0.287961498 0.774913786 0.935730856 -6.949366965 stable

GH1 -0.00078856 2.277656163 -0.287936244 0.774932974 0.935730856 -6.949374347 stable

CUEDC1 0.042800328 4.252524062 0.287834798 0.77501005 0.935730856 -6.949403995 stable

GAMT -0.004181968 2.393178236 -0.28780341 0.775033899 0.935730856 -6.949413166 stable

LOC100507530 0.005162312 3.360033522 0.287711848 0.775103469 0.935730856 -6.949439913 stable

RP11-945A11.2 0.000710761 2.614750595 0.287559371 0.775219327 0.935730856 -6.949484436 stable

CDX1 0.014897569 4.814760065 0.287546302 0.775229258 0.935730856 -6.949488251 stable

DNAH6 0.002394477 2.780709602 0.287528016 0.775243153 0.935730856 -6.949493588 stable

LOC101928069 0.003766485 2.982917341 0.287473858 0.775284306 0.935730856 -6.949509395 stable

LCE2B -0.003353054 2.714343337 -0.28744943 0.775302868 0.935730856 -6.949516523 stable

TM2D2 0.018506446 10.1788592 0.28729067 0.77542351 0.935730856 -6.949562839 stable

CNNM1 0.004028586 3.011362159 0.287290066 0.775423969 0.935730856 -6.949563015 stable

RP11-313C4.1 -0.007069268 3.830203317 -0.287245091 0.775458147 0.935730856 -6.94957613 stable

TBC1D10A -0.039948346 5.532101216 -0.287216871 0.775479592 0.935730856 -6.949584359 stable

SAMD4A -0.054732027 7.588942814 -0.287214609 0.775481311 0.935730856 -6.949585019 stable

PTPRG 0.002298066 3.221346527 0.287140167 0.775537882 0.935730856 -6.949606721 stable

GNRH2 0.001813499 2.366095263 0.287038107 0.775615444 0.935730856 -6.949636466 stable

LUC7L2 0.010703926 9.800061255 0.287003578 0.775641686 0.935730856 -6.949646527 stable

LOC100507642 0.078242597 6.721695868 0.286951519 0.77568125 0.935730856 -6.949661693 stable

MEOX1 -0.059333438 4.618868043 -0.286923775 0.775702335 0.935730856 -6.949669775 stable

ZKSCAN1 0.024200604 9.347602376 0.286907817 0.775714463 0.935730856 -6.949674423 stable

RP11-155O18.6 -0.012610745 3.618028427 -0.286781766 0.775810264 0.935730856 -6.949711129 stable

SPINT3 0.000585559 2.330485585 0.28677304 0.775816896 0.935730856 -6.949713669 stable

ZCCHC24 0.057746836 7.001596424 0.286769717 0.775819422 0.935730856 -6.949714636 stable

MC4R 0.000572222 2.358732402 0.286747424 0.775836365 0.935730856 -6.949721126 stable

TMEM241 0.018780858 9.010325567 0.286703728 0.775869576 0.935730856 -6.949733845 stable

MGC10814 -0.007066254 4.441863449 -0.286685236 0.775883631 0.935730856 -6.949739227 stable

FBN3 -0.002029606 3.039556636 -0.286602736 0.775946336 0.935758499 -6.949763234 stable

ACER1 -0.001132122 2.667106765 -0.286438224 0.77607138 0.935849599 -6.949811086 stable

LINC01111 0.000521489 2.194228077 0.286398661 0.776101453 0.935849599 -6.949822589 stable

C11orf86 -0.003876906 2.568337913 -0.28617976 0.776267848 0.935969956 -6.94988621 stable

DLD -0.010238848 11.25202035 -0.286162654 0.776280851 0.935969956 -6.949891179 stable

LRRC3 0.000477453 2.145130487 0.286039328 0.776374602 0.93603501 -6.949926999 stable

LOC100127955 /// LOC100128374 0.000761839 2.293663393 0.285962011 0.776433379 0.936057894 -6.949949447 stable

COL5A1 -0.003628037 3.743633175 -0.285692273 0.776638446 0.936204283 -6.950027717 stable

POU2F3 0.00292882 3.097245554 0.285666748 0.776657852 0.936204283 -6.95003512 stable

LOC729296 -0.000937884 2.522539742 -0.285645228 0.776674213 0.936204283 -6.95004136 stable

ALG1 /// NAGPA-AS1 0.021518506 3.888299148 0.28558763 0.776718004 0.93620909 -6.950058061 stable

ANKEF1 -0.031691155 6.930848753 -0.28545574 0.776818282 0.936281978 -6.950096291 stable

PRKAR2A 0.0192715 9.893225086 0.285384184 0.776872689 0.936295866 -6.950117025 stable

PROZ -0.000476269 2.084116475 -0.285335878 0.776909418 0.936295866 -6.950131019 stable

LOC101928111 0.003901903 3.618190804 0.285270669 0.776959 0.936307647 -6.950149906 stable

NDRG3 -0.01322562 10.36018524 -0.285112405 0.777079342 0.936371323 -6.950195728 stable

CDC20 -0.083816787 2.8650571 -0.285096469 0.77709146 0.936371323 -6.95020034 stable

PAFAH1B2 -0.001202477 2.799563327 -0.284890552 0.777248045 0.936512027 -6.950259917 stable

ZAN 0.000417187 2.157948047 0.284837182 0.777288631 0.936512954 -6.950275352 stable

KIF18A -0.015370956 2.918424096 -0.284638936 0.777439394 0.936646621 -6.950332658 stable

BRSK2 -0.001075465 2.300574704 -0.284454065 0.777579994 0.936741462 -6.950386063 stable

LILRB1 -0.05063395 9.956745632 -0.284430697 0.777597766 0.936741462 -6.950392811 stable

HCCAT5 0.001189354 2.550929438 0.284158701 0.777804642 0.936838399 -6.950471314 stable

ZNF8 0.005084256 3.971804258 0.284048102 0.777888767 0.936838399 -6.950503214 stable

HTR1A -0.000791411 2.394052613 -0.283963457 0.777953152 0.936838399 -6.950527619 stable

DLX5 0.000658956 2.056283245 0.283814099 0.778066765 0.936838399 -6.950570666 stable

TRIM45 -0.000968976 2.445555741 -0.283618692 0.778215413 0.936838399 -6.95062695 stable

DPY19L2P2 0.030457898 4.180127538 0.283615375 0.778217936 0.936838399 -6.950627905 stable

POLR2F 0.010730986 9.928908328 0.283598904 0.778230467 0.936838399 -6.950632647 stable

TRIM51 -0.010750419 3.40225483 -0.283591385 0.778236186 0.936838399 -6.950634812 stable

RWDD2A 0.025575623 6.120548219 0.283583682 0.778242047 0.936838399 -6.95063703 stable

LINC00032 -0.001544653 2.107257059 -0.283444765 0.778347729 0.936838399 -6.950677015 stable

KLHDC7B 0.050362639 6.490413624 0.283419994 0.778366574 0.936838399 -6.950684142 stable

KCND2 0.001448374 2.952312357 0.283374697 0.778401035 0.936838399 -6.950697175 stable

NTN1 -0.000513912 2.245373001 -0.283366175 0.778407518 0.936838399 -6.950699626 stable

HP -0.097597464 6.647462526 -0.283366167 0.778407525 0.936838399 -6.950699629 stable

LOC145845 -0.003233748 2.883069741 -0.283363067 0.778409883 0.936838399 -6.950700521 stable

UFSP2 -0.016036486 9.15852339 -0.283354491 0.778416408 0.936838399 -6.950702988 stable

C1orf213 0.01626825 3.343671377 0.283291038 0.778464683 0.936838399 -6.950721239 stable

RDH12 -0.000748509 2.393242343 -0.283215028 0.778522512 0.936838399 -6.950743097 stable

DGCR8 /// MIR1306 0.040754325 8.035682269 0.283213848 0.778523409 0.936838399 -6.950743436 stable

LINC00836 -0.001228293 2.540815724 -0.283174091 0.778553658 0.936838399 -6.950754867 stable

RP11-215E13.2 0.001395412 2.335900743 0.283170037 0.778556743 0.936838399 -6.950756032 stable

SLC7A3 0.032819113 2.328648943 0.283024269 0.77866765 0.936838399 -6.950797927 stable

RXRA -0.043836872 8.991657723 -0.282849459 0.77880066 0.936838399 -6.950848141 stable

PIGB -0.019116425 8.510798903 -0.282761394 0.77886767 0.936838399 -6.950873426 stable

RP11-308D16.4 -0.006320517 3.195220908 -0.282736703 0.778886458 0.936838399 -6.950880513 stable

LOC101929550 0.001186461 2.682387041 0.282730906 0.778890869 0.936838399 -6.950882177 stable

ZNF747 0.031611883 6.710419371 0.282501918 0.779065119 0.936838399 -6.950947879 stable

KIAA1661 0.000854287 2.624403475 0.282496752 0.77906905 0.936838399 -6.950949361 stable

LOC101927653 0.000490332 2.268709317 0.282486097 0.779077158 0.936838399 -6.950952417 stable

LINC00557 0.000924447 2.656960114 0.282430646 0.779119355 0.936838399 -6.950968318 stable

RP11-65J3.14 -0.000767569 2.522609433 -0.282264059 0.779246131 0.936838399 -6.95101607 stable

PRDM16 0.000530131 2.309005191 0.282236578 0.779267045 0.936838399 -6.951023945 stable

TNFSF13B 0.035623714 12.17970138 0.282219481 0.779280056 0.936838399 -6.951028844 stable

AMIGO2 0.028167329 9.731096967 0.282201129 0.779294023 0.936838399 -6.951034102 stable

RLBP1 0.000453066 2.173958056 0.282181754 0.779308769 0.936838399 -6.951039653 stable

IQCC 0.014984736 5.919565536 0.282176993 0.779312392 0.936838399 -6.951041017 stable

LOC100499194 -0.00037579 2.099217972 -0.282174627 0.779314193 0.936838399 -6.951041695 stable

RNF186 -0.00096519 2.559743344 -0.282155845 0.779328487 0.936838399 -6.951047075 stable

PCDHGA3 0.00047085 1.990568207 0.282150409 0.779332624 0.936838399 -6.951048632 stable

PLEKHA6 -0.00092841 2.519613649 -0.282060607 0.779400969 0.936838399 -6.951074352 stable

LCN8 -0.039139582 1.915377159 -0.281982124 0.779460702 0.936838399 -6.951096824 stable

MGME1 0.021859996 10.05193229 0.281974661 0.779466381 0.936838399 -6.95109896 stable

STK25 -0.011819192 8.533644243 -0.281952337 0.779483372 0.936838399 -6.95110535 stable

ADH6 0.000642092 2.430266645 0.281928013 0.779501885 0.936838399 -6.951112313 stable

CD3E 0.030381312 11.75345274 0.281897842 0.779524849 0.936838399 -6.951120948 stable

FAM19A4 0.001680074 2.838681821 0.281895109 0.779526928 0.936838399 -6.95112173 stable

SPRY3 -0.011148836 2.920004624 -0.281847399 0.779563241 0.936838399 -6.951135383 stable

MMP24 -0.00231607 2.689982853 -0.281812154 0.779590067 0.936838399 -6.951145468 stable

RAD51AP1 0.023513239 5.787641502 0.28160143 0.779750461 0.936983273 -6.951205736 stable

KLK5 -0.000639492 2.3992667 -0.281473128 0.779848123 0.937052757 -6.951242409 stable

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NCOA7 0.046410462 4.09360176 0.281200102 0.780055961 0.937206735 -6.951320393 stable

KRT20 0.005354188 2.920405005 0.281043515 0.780175168 0.937214538 -6.951365085 stable

DNAH5 -0.005980625 3.05304922 -0.280986417 0.780218637 0.937214538 -6.951381375 stable

ADD3 0.015771888 13.64480952 0.280861721 0.780313572 0.937214538 -6.95141694 stable

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GALM -0.022322228 8.705690325 -0.280644568 0.780478904 0.937214538 -6.951478837 stable

ALPP -0.00057526 2.465841298 -0.28060811 0.780506663 0.937214538 -6.951489224 stable

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SYT13 0.006679407 2.489885624 0.277242127 0.783070742 0.937619982 -6.95244244 stable

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C9orf116 -0.000898085 2.402064381 -0.272308112 0.786833711 0.93945864 -6.953819 stable

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SOHLH1 0.000471855 2.081167658 0.268394489 0.789822158 0.940342527 -6.954893366 stable

C10orf95 -0.001917313 3.049880269 -0.268107912 0.790041115 0.940463834 -6.954971428 stable

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CHL1 -0.031766015 3.207660953 -0.267802645 0.790274371 0.940463834 -6.95505449 stable

LINC00354 -0.00339762 2.967992178 -0.267790172 0.790283903 0.940463834 -6.955057882 stable

LOC339975 0.001276259 2.83383698 0.26766049 0.790383 0.940532804 -6.955093138 stable

APOBEC3A /// APOBEC3A\_B -0.061932746 10.91278811 -0.267569614 0.790452445 0.940532804 -6.955117833 stable

ZDHHC16 0.019777919 8.396984888 0.267557346 0.79046182 0.940532804 -6.955121167 stable

TSPAN1 0.001080622 2.259607296 0.267340013 0.790627908 0.940682839 -6.955180191 stable

STPG1 -0.034599511 3.15246222 -0.267206444 0.790729988 0.940756704 -6.955216442 stable

B3GALT1 -0.000606835 2.356659609 -0.26696365 0.790915553 0.940812685 -6.955282291 stable

MAP2K1 0.010769865 12.55223082 0.266957176 0.790920501 0.940812685 -6.955284047 stable

NAT14 -0.024965775 5.774347007 -0.266950832 0.79092535 0.940812685 -6.955285766 stable

CTD-2366F13.2 0.002306608 2.427349687 0.266935542 0.790937036 0.940812685 -6.955289911 stable

LOC643733 0.001734802 3.036178947 0.266793337 0.791045728 0.940894391 -6.955328447 stable

LOC731424 -0.001002745 2.317924952 -0.266738443 0.791087687 0.940896717 -6.955343318 stable

DIDO1 -0.023551205 9.309408771 -0.266597271 0.791195595 0.940977478 -6.955381546 stable

ZNF804B 0.000644511 2.265563819 0.266411982 0.791337232 0.941098343 -6.95543169 stable

LINC00911 -0.001909654 2.057782572 -0.266287474 0.791432411 0.941136174 -6.955465366 stable

GBX2 0.001455284 2.951777075 0.266265685 0.791449068 0.941136174 -6.955471258 stable

MIER2 0.000400203 2.009068652 0.266028775 0.791630182 0.941261766 -6.955535287 stable

ZNF579 0.018222257 7.501969098 0.266022838 0.791634721 0.941261766 -6.955536891 stable

ETV4 -0.003283345 2.85799261 -0.265798296 0.791806391 0.941367404 -6.955597523 stable

BPIFA4P -0.001139236 2.441815967 -0.265780827 0.791819746 0.941367404 -6.955602238 stable

SGCB -0.041151273 3.813703392 -0.265749585 0.791843633 0.941367404 -6.95561067 stable

RP11-112L7.1 0.003261465 3.454920039 0.265663348 0.791909568 0.941398208 -6.955633938 stable

NXF2 /// NXF2B -0.000381561 2.049871778 -0.26551646 0.792021878 0.94145582 -6.955673554 stable

SLC39A5 0.006089729 2.449591513 0.265403648 0.792108137 0.94145582 -6.955703965 stable

DSCAM-AS1 -0.000908976 2.489381201 -0.265392216 0.792116878 0.94145582 -6.955707046 stable

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CLIC2 0.046935325 5.915958637 0.265275459 0.792206157 0.94145582 -6.955738506 stable

ZWILCH -0.019121016 7.911179554 -0.265267289 0.792212404 0.94145582 -6.955740706 stable

RAB20 0.049122847 9.077395754 0.265233535 0.792238215 0.94145582 -6.955749798 stable

OR6B1 -0.000506375 2.249953623 -0.265180262 0.792278952 0.941456665 -6.955764145 stable

GMEB1 0.012864586 7.858368166 0.264965571 0.792443128 0.941555867 -6.955821936 stable

LOC100128343 0.000569012 1.773422419 0.26496178 0.792446027 0.941555867 -6.955822956 stable

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EXOSC7 -0.013541721 9.38340817 -0.26478656 0.792580026 0.941555867 -6.955870086 stable

TMEM135 -0.001292581 2.97538379 -0.264757019 0.792602618 0.941555867 -6.955878029 stable

TMEM26 -0.000750858 2.653509695 -0.264608229 0.792716411 0.941577774 -6.955918022 stable

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LOC101928306 -0.00043135 2.1321774 -0.264575878 0.792741153 0.941577774 -6.955926714 stable

CAPSL 0.000549942 2.357413879 0.264400472 0.792875309 0.941649361 -6.955973826 stable

RRN3 /// RRN3P1 /// RRN3P2 0.019275733 10.3308548 0.264392387 0.792881493 0.941649361 -6.955975997 stable

LINC00527 -0.000451981 2.251648668 -0.264266646 0.792977667 0.941703367 -6.956009749 stable

LOC100127972 0.055995589 8.534811908 0.264205207 0.79302466 0.941703367 -6.956026235 stable

C15orf65 -0.002128775 3.209972277 -0.264165576 0.793054974 0.941703367 -6.956036868 stable

GAL3ST2 -0.000398944 2.046840408 -0.264080702 0.793119894 0.941703367 -6.956059632 stable

NDUFA4L2 0.00096414 2.298806692 0.264013939 0.793170963 0.941703367 -6.956077534 stable

PIGR -0.003898017 2.430027602 -0.263986854 0.793191681 0.941703367 -6.956084796 stable

NDUFC1 0.009131873 12.2495809 0.263956236 0.793215101 0.941703367 -6.956093003 stable

FAAH2 -0.033383449 4.417467554 -0.263899296 0.793258657 0.941703367 -6.956108264 stable

H1FX-AS1 /// H1FX-AS1 0.000898101 2.52446364 0.263796382 0.793337382 0.941703367 -6.956135839 stable

SNPH -0.036907322 7.936995987 -0.263783514 0.793347226 0.941703367 -6.956139286 stable

RNF185-AS1 0.000363571 1.994402538 0.26368408 0.793423292 0.941703367 -6.956165917 stable

CEBPG 0.031682393 9.209176464 0.263669368 0.793434546 0.941703367 -6.956169857 stable

RUFY3 0.019320918 4.878629238 0.263652509 0.793447444 0.941703367 -6.956174371 stable

PTP4A3 0.034057932 8.199539605 0.263531331 0.793540146 0.94176587 -6.956206808 stable

KLF10 -0.032247719 11.71026097 -0.263462105 0.793593106 0.941781204 -6.956225331 stable

CHKB-AS1 -0.016206639 5.429524718 -0.263407593 0.79363481 0.941783178 -6.956239915 stable

BRPF3 0.003776604 2.505995568 0.26335388 0.793675904 0.941784429 -6.956254281 stable

MGC40069 /// TRAC /// TRAJ17 /// TRAV20 /// TRDV2 /// YME1L1 -0.030271382 7.891810845 -0.263192135 0.793799652 0.941835831 -6.956297525 stable

LINC00887 0.001389496 2.616056989 0.263118315 0.793856132 0.941835831 -6.956317253 stable

ARL10 -0.009025145 3.725761129 -0.263087568 0.793879657 0.941835831 -6.956325468 stable

RP11-506O24.2 -0.003994356 3.452490855 -0.26299929 0.793947201 0.941835831 -6.956349049 stable

ARRB2 -0.019816277 12.46965722 -0.262952469 0.793983025 0.941835831 -6.956361553 stable

CLEC2D 0.041292098 11.01425284 0.262932233 0.793998509 0.941835831 -6.956366957 stable

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POLR1B -0.023658045 5.341174157 -0.262826249 0.794079604 0.941835831 -6.95639525 stable

COL23A1 -0.000408532 2.17453642 -0.262689792 0.794184019 0.941912177 -6.956431662 stable

PHYHD1 -0.014429133 3.341884971 -0.26259872 0.794253708 0.941947334 -6.956455953 stable

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BAALCOS -0.005354269 3.347292639 -0.262085877 0.794646172 0.942278503 -6.956592583 stable

EPAS1 0.042069083 5.235544259 0.262036511 0.794683953 0.942278503 -6.95660572 stable

LOC283335 -0.000377484 2.207274444 -0.261927181 0.794767628 0.942278503 -6.956634808 stable

KLK7 -0.001411197 2.791053263 -0.261926769 0.794767943 0.942278503 -6.956634918 stable

ABHD14A /// ACY1 0.022587915 8.257876212 0.261919747 0.794773318 0.942278503 -6.956636785 stable

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PQBP1 0.008830046 10.1408376 0.261643592 0.794984684 0.942434088 -6.956710201 stable

IQCF2 -0.001022171 2.218475203 -0.261569512 0.795041386 0.942449575 -6.956729882 stable

ANKRD35 0.021329411 4.931302838 0.261521829 0.795077884 0.942449575 -6.956742547 stable

KRTCAP2 -0.017726867 11.65870006 -0.26140987 0.795163583 0.942458957 -6.956772276 stable

CASR -0.001365406 2.739305605 -0.261338421 0.795218275 0.942458957 -6.956791241 stable

GPR62 0.000434022 2.213242558 0.26132124 0.795231427 0.942458957 -6.9567958 stable

RALGAPA1 /// RALGAPA1P 0.015788029 3.537110053 0.261272641 0.795268629 0.942458957 -6.956808697 stable

GBGT1 -0.040760892 8.630447906 -0.26124976 0.795286144 0.942458957 -6.956814767 stable

SEH1L -0.00925766 9.581962495 -0.261179537 0.7953399 0.942475177 -6.956833396 stable

SLIT1 0.004205955 2.237173511 0.261111978 0.795391618 0.942488979 -6.956851313 stable

PVRL3-AS1 0.000520563 2.588978606 0.260885846 0.795564732 0.94256175 -6.956911251 stable

UGDH -0.031544187 7.395719333 -0.260832787 0.795605353 0.94256175 -6.956925307 stable

PUS7 0.030578269 7.424996602 0.26081237 0.795620984 0.94256175 -6.956930715 stable

KCNK3 -0.000874859 2.546223563 -0.260751923 0.795667261 0.94256175 -6.956946724 stable

IFNA1 /// IFNA13 -0.002220358 2.878515967 -0.260586278 0.795794082 0.94256175 -6.956990574 stable

AHSP 0.022416173 4.805979014 0.260577744 0.795800616 0.94256175 -6.956992832 stable

CNOT11 0.007671828 10.32169414 0.260573135 0.795804144 0.94256175 -6.956994052 stable

ENTPD1-AS1 -0.022208029 6.471278778 -0.26056154 0.795813022 0.94256175 -6.95699712 stable

RAB3B 0.000740634 2.480789469 0.260560667 0.79581369 0.94256175 -6.956997351 stable

AURKB 0.022335276 3.35779362 0.260478266 0.79587678 0.94258901 -6.957019152 stable

LOC102724399 /// RIMBP2 -0.004804463 2.494058156 -0.26033818 0.795984039 0.942635912 -6.957056199 stable

LOC101928446 -0.000502745 2.297492983 -0.260233151 0.796064459 0.942635912 -6.957083962 stable

DLGAP2 0.000437906 2.148996299 0.260225392 0.7960704 0.942635912 -6.957086013 stable

SLITRK6 -0.001977218 2.718044267 -0.260204572 0.796086342 0.942635912 -6.957091515 stable

LINC01007 0.001030593 2.401675174 0.260151319 0.796127119 0.942635912 -6.957105585 stable

SLC7A8 0.057478131 3.86123651 0.260099915 0.79616648 0.942635912 -6.957119165 stable

NNAT -0.002736699 3.233185289 -0.259967893 0.796267575 0.942635912 -6.95715403 stable

C20orf85 0.00063248 2.458250803 0.259902498 0.796317652 0.942635912 -6.957171292 stable

FKSG29 -0.000515931 2.127353362 -0.259821151 0.796379946 0.942635912 -6.957192761 stable

LRP5L -0.008523959 4.573313705 -0.259681837 0.796486633 0.942635912 -6.957229511 stable

OR52K3P -0.090761281 5.666759325 -0.259678854 0.796488918 0.942635912 -6.957230298 stable

ZNF248 -0.002317166 3.234967223 -0.259640261 0.796518473 0.942635912 -6.957240475 stable

HCK 0.038220717 12.70246378 0.259603648 0.796546512 0.942635912 -6.957250128 stable

LOC732360 /// TDG 0.026614235 7.625358867 0.259554316 0.796584292 0.942635912 -6.957263133 stable

G0S2 0.135934067 7.842723012 0.259553946 0.796584576 0.942635912 -6.957263231 stable

KIAA0368 0.037781955 4.749376029 0.259480686 0.796640682 0.942635912 -6.957282539 stable

CAPN13 0.000655702 2.42799472 0.259470928 0.796648155 0.942635912 -6.95728511 stable

HADH -0.019113314 8.495429739 -0.259422995 0.796684865 0.942635912 -6.95729774 stable

SLC30A3 0.009452522 2.157824914 0.259388441 0.796711329 0.942635912 -6.957306843 stable

ADORA2A-AS1 -0.000361986 2.061492824 -0.25937985 0.796717909 0.942635912 -6.957309106 stable

GCSH /// LOC101060817 -0.022814389 8.018905728 -0.25926596 0.796805136 0.94265154 -6.9573391 stable

RP11-254F7.1 0.001169724 2.83153462 0.259214195 0.796844783 0.94265154 -6.957352729 stable

LOC101929717 -0.000592357 2.576759158 -0.25906182 0.796961491 0.94265154 -6.95739283 stable

MT1H 0.017186864 8.957644582 0.259034027 0.796982779 0.94265154 -6.957400142 stable

LAMB2 -0.003134936 2.274869784 -0.258861037 0.797115283 0.94265154 -6.957445635 stable

IGHMBP2 0.021901781 5.253233308 0.258767066 0.797187264 0.94265154 -6.957470335 stable

OSGIN1 0.036197668 3.953814961 0.258761995 0.797191149 0.94265154 -6.957471668 stable

FUK -0.014638413 7.46329901 -0.258755362 0.797196229 0.94265154 -6.957473411 stable

DLG1-AS1 0.000804224 2.707502585 0.258729421 0.797216101 0.94265154 -6.957480227 stable

ABCB9 -0.006473936 3.800116092 -0.258689619 0.79724659 0.94265154 -6.957490685 stable

ABLIM2 -0.006202562 3.701750241 -0.258659968 0.797269303 0.94265154 -6.957498474 stable

TMCO5B -0.001159949 2.721823195 -0.258652028 0.797275384 0.94265154 -6.95750056 stable

BC037861 /// CTD-2036P10.3 0.004799356 2.93013444 0.258631351 0.797291224 0.94265154 -6.957505991 stable

SETD8 -0.010021155 8.360479322 -0.258630082 0.797292196 0.94265154 -6.957506325 stable

GAPDH 0.012023191 14.48887046 0.258489748 0.797399698 0.942697889 -6.957543175 stable

EFCAB14 -0.030183768 6.220985415 -0.25847427 0.797411555 0.942697889 -6.957547238 stable

ZNF665 0.026022358 9.017043591 0.258347606 0.797508589 0.942765217 -6.957580479 stable

MAP3K9 0.039634151 5.354192813 0.25818581 0.797632541 0.942823536 -6.957622917 stable

LSMEM2 -0.000494365 2.254857668 -0.258178566 0.797638092 0.942823536 -6.957624817 stable

CPLX3 0.007220219 3.867754648 0.25802741 0.797753898 0.942890657 -6.957664439 stable

CRYBB2 -0.000487288 2.253645104 -0.2579998 0.797775051 0.942890657 -6.957671673 stable

VAMP2 -0.02347197 9.803529974 -0.257898403 0.797852738 0.942919465 -6.957698237 stable

MIR4745 /// PTBP1 0.007889625 12.01766147 0.257863342 0.797879601 0.942919465 -6.957707419 stable

DSCR4 -0.000391526 1.976065499 -0.257669652 0.798028007 0.94300139 -6.957758124 stable

TTLL13 0.00059382 2.475717151 0.257604418 0.798077992 0.94300139 -6.957775193 stable

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LOC102724611 -0.058590096 6.798245759 -0.25747057 0.798180552 0.94300139 -6.957810202 stable

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ZNF34 0.015446283 6.887652379 0.257335122 0.798284343 0.943066099 -6.95784561 stable

RP11-73M18.7 0.031909396 3.735801459 0.257179045 0.798403947 0.943160024 -6.957886389 stable

PCSK1N 0.032325152 3.382533702 0.257122334 0.798447406 0.943163993 -6.957901199 stable

LOC101929488 0.001608471 3.202496316 0.256894283 0.798622174 0.943243272 -6.957960725 stable

MOGAT3 0.000406115 2.099438024 0.256889268 0.798626018 0.943243272 -6.957962033 stable

RBBP8 0.043134492 8.303530372 0.256877773 0.798634827 0.943243272 -6.957965032 stable

MIR4313 -0.001163527 2.230278742 -0.256648241 0.798810742 0.943366409 -6.958024887 stable

CCDC74A /// CCDC74B 0.001380183 2.848478053 0.256620184 0.798832246 0.943366409 -6.9580322 stable

C17orf104 0.005572403 3.834653445 0.256565884 0.798873863 0.943366409 -6.95804635 stable

IL23A /// TCRBV11S1A1T /// TRBV25-1 /// TRBV25-1 -0.039438176 4.229500894 -0.256417577 0.798987535 0.943366409 -6.958084984 stable

OR2W1 0.00062845 2.413407581 0.256344552 0.799043508 0.943366409 -6.958103999 stable

SIRT7 0.010252936 9.967379249 0.256338129 0.799048431 0.943366409 -6.958105671 stable

FANCI 0.040654397 6.192294096 0.256326383 0.799057434 0.943366409 -6.958108728 stable

CEACAM6 -0.112226268 2.957866543 -0.256323107 0.799059945 0.943366409 -6.958109581 stable

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C9orf62 0.004101713 2.59225659 0.256037803 0.799278638 0.943482527 -6.958183812 stable

MYO10 -0.0004926 2.246034662 -0.255977361 0.79932497 0.943489869 -6.958199527 stable

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NEGR1-IT1 0.000430847 2.285036847 0.255724415 0.799518876 0.943599033 -6.958265254 stable

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GOLT1A -0.00042319 2.399409037 -0.255535693 0.799663557 0.943652746 -6.958314251 stable

TIMM22 -0.023244245 7.489075302 -0.255350918 0.799805219 0.943772565 -6.958362188 stable

AC012360.6 0.000331743 1.948838904 0.255269322 0.799867778 0.943799037 -6.958383346 stable

CCDC125 0.03021431 5.148959494 0.255098804 0.799998519 0.943905952 -6.95842754 stable

ADCK5 -0.020913789 5.768423384 -0.255018852 0.800059822 0.943930247 -6.958448251 stable

PDZRN3 -0.001535088 3.109342105 -0.254967271 0.800099372 0.943930247 -6.958461609 stable

LINC00639 0.000752854 2.544177774 0.254846368 0.800192078 0.94399227 -6.95849291 stable

LRFN4 -0.036014467 5.633677169 -0.254425314 0.800514957 0.944196957 -6.958601802 stable

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ADORA2B -0.0564669 5.167989263 -0.253947857 0.800881129 0.944196957 -6.958725063 stable

VPS39 -0.008477486 9.986226845 -0.253945038 0.800883292 0.944196957 -6.95872579 stable

ACADS 0.01659289 6.884469067 0.25390894 0.800910978 0.944196957 -6.9587351 stable

MKX 0.000398986 1.948701697 0.253877754 0.800934898 0.944196957 -6.958743142 stable

LOC101929261 -0.001468199 2.768067996 -0.253857058 0.800950771 0.944196957 -6.958748478 stable

GSG1L -0.004605526 2.085491603 -0.253770935 0.801016827 0.944196957 -6.958770679 stable

KRTAP4-1 0.0004698 2.368193328 0.253740522 0.801040154 0.944196957 -6.958778518 stable

PRORY -0.001913689 3.143851901 -0.253729158 0.80104887 0.944196957 -6.958781446 stable

TXNRD2 -0.020345251 4.299810839 -0.253661739 0.801100582 0.944196957 -6.958798818 stable

CMTM3 -0.004142585 4.694838615 -0.253652619 0.801107578 0.944196957 -6.958801167 stable

STAG3L4 -0.009863516 4.009060999 -0.2536425 0.801115339 0.944196957 -6.958803774 stable

GTF2H2B -0.065865678 8.44248976 -0.253625607 0.801128297 0.944196957 -6.958808126 stable

NPHP3-AS1 0.000389399 2.076756938 0.253550002 0.801186289 0.944217993 -6.958827598 stable

DUSP9 -0.000612941 2.372377751 -0.253495239 0.801228295 0.944220188 -6.958841699 stable

LUZP4 -0.000516959 2.333426799 -0.253211649 0.801445834 0.944350175 -6.958914672 stable

LOC101928326 0.002446924 2.98824883 0.253141921 0.801499324 0.944350175 -6.958932602 stable

AKTIP 0.025858733 10.27686716 0.253134104 0.801505321 0.944350175 -6.958934612 stable

GATC /// SRSF9 0.007341433 12.30577822 0.253071386 0.801553434 0.944350175 -6.958950735 stable

LOC81691 0.02403417 2.702922058 0.253043935 0.801574494 0.944350175 -6.95895779 stable

ERVMER34-1 -0.000590578 2.527690941 -0.253002819 0.801606036 0.944350175 -6.958968356 stable

MGST2 0.038729991 8.8722218 0.252985084 0.801619642 0.944350175 -6.958972913 stable

RALB -0.023401717 10.92248984 -0.252727559 0.801817212 0.944535616 -6.95903905 stable

SRGAP2 /// SRGAP2B /// SRGAP2C 0.022033055 7.440382496 0.252664399 0.801865669 0.944545393 -6.95905526 stable

DCAF6 -0.009519033 8.634821865 -0.252534508 0.801965327 0.944575179 -6.959088584 stable

GJA9-MYCBP /// MYCBP -0.017345166 9.980091594 -0.252508776 0.80198507 0.944575179 -6.959095184 stable

ABCA3 -0.008865472 4.544593723 -0.252474417 0.802011432 0.944575179 -6.959103995 stable

CD3EAP -0.018420297 5.603588963 -0.252330093 0.802122169 0.944598171 -6.959140994 stable

RRAGD -0.048486741 7.304980205 -0.252292828 0.802150762 0.944598171 -6.959150544 stable

UPK1A 0.000325715 2.032642178 0.252291953 0.802151434 0.944598171 -6.959150768 stable

TTTY15 0.000346332 2.10517725 0.252222599 0.802204649 0.944613545 -6.959168537 stable

HERC2P7 0.001704411 2.357383755 0.252141636 0.802266775 0.944639408 -6.959189274 stable

SH3D19 0.01218957 3.170004177 0.251988832 0.802384028 0.944705139 -6.959228394 stable

C14orf79 -0.001462524 2.371995473 -0.251944795 0.80241782 0.944705139 -6.959239664 stable

CHRNA10 -0.001684753 2.730956329 -0.251911862 0.802443093 0.944705139 -6.959248091 stable

TUBE1 0.022767244 8.779974607 0.251769454 0.802552375 0.944767531 -6.959284517 stable

CCBL1 0.000327624 1.891905373 0.251718198 0.802591709 0.944767531 -6.959297623 stable

PRODH2 -0.000492088 2.106371954 -0.251620345 0.802666804 0.944767531 -6.959322635 stable

CD58 0.024123702 11.03996008 0.251514425 0.802748091 0.944767531 -6.959349699 stable

RP11-66N11.7 0.001000735 3.423611238 0.251441977 0.802803693 0.944767531 -6.959368204 stable

OVOL2 0.00378715 4.136125189 0.251395124 0.802839651 0.944767531 -6.959380168 stable

METTL23 -0.009651631 11.89161252 -0.251388631 0.802844634 0.944767531 -6.959381826 stable

MIOX 0.000752362 2.804080311 0.251351633 0.802873029 0.944767531 -6.959391272 stable

ZNF48 0.021450846 7.609759099 0.251333638 0.80288684 0.944767531 -6.959395866 stable

ZNF678 0.022939432 3.915077786 0.251257707 0.802945117 0.944767531 -6.959415246 stable

MADCAM1 0.00461192 3.139822616 0.251249305 0.802951566 0.944767531 -6.95941739 stable

HDAC10 0.02937088 6.52884714 0.251214744 0.802978092 0.944767531 -6.95942621 stable

NAPG 0.019078392 8.235356011 0.251110279 0.803058271 0.944802046 -6.959452859 stable

COX7A2P2 /// COX7A2P2 -0.008942906 10.1401715 -0.251071853 0.803087765 0.944802046 -6.959462658 stable

SESN1 0.040848719 9.861574462 0.250927666 0.803198437 0.944805426 -6.959499417 stable

SPRYD4 0.02316537 5.508838026 0.250916168 0.803207262 0.944805426 -6.959502347 stable

TMEM217 -0.001797656 2.718805337 -0.250876084 0.80323803 0.944805426 -6.959512562 stable

GPRC6A 0.00052023 2.331168261 0.250830984 0.803272647 0.944805426 -6.959524053 stable

MIR1909 /// REXO1 -0.012791884 7.436986755 -0.25080645 0.80329148 0.944805426 -6.959530303 stable

FAM205A /// FAM205B 0.009079028 4.551650032 0.250618148 0.803436023 0.944825867 -6.959578253 stable

IGFBPL1 0.000488127 2.342502656 0.250595863 0.803453129 0.944825867 -6.959583926 stable

ANKRD36B -0.048421538 9.866017004 -0.250411536 0.803594629 0.944825867 -6.959630825 stable

TRPM7 -0.007193261 8.017442403 -0.250380364 0.803618559 0.944825867 -6.959638753 stable

LOC100288238 0.001595557 2.808884642 0.250359745 0.803634388 0.944825867 -6.959643996 stable

LOC340357 0.000425047 2.251368479 0.250344089 0.803646406 0.944825867 -6.959647977 stable

AX747135 /// RP11-863K10.7 0.000561725 2.058007379 0.250267813 0.803704963 0.944825867 -6.959667369 stable

SFT2D3 0.017428452 8.72770656 0.250260868 0.803710295 0.944825867 -6.959669134 stable

LOC100288675 0.025537892 7.029776978 0.250258839 0.803711852 0.944825867 -6.95966965 stable

KLHDC9 0.006172073 2.351724798 0.250089024 0.803842223 0.944825867 -6.9597128 stable

C8orf44 0.022385226 5.821868321 0.249997618 0.803912399 0.944825867 -6.959736014 stable

LINC00960 -0.000436854 1.753622595 -0.249957946 0.803942858 0.944825867 -6.959746087 stable

POLR3E -0.000323047 2.003023986 -0.249892679 0.803992967 0.944825867 -6.959762655 stable

SEC11C -0.022881306 9.740221954 -0.249710959 0.804132491 0.944825867 -6.959808762 stable

PSORS1C2 -0.000501364 2.243018941 -0.24965796 0.804173184 0.944825867 -6.959822203 stable

REC114 -0.004879729 3.345925226 -0.249574573 0.804237211 0.944825867 -6.959843344 stable

MVB12A -0.015050704 8.797841894 -0.249562392 0.804246564 0.944825867 -6.959846432 stable

MYCBPAP -0.001513949 3.064062415 -0.249561682 0.804247109 0.944825867 -6.959846612 stable

LINC00471 0.001652151 2.597389556 0.249551855 0.804254655 0.944825867 -6.959849103 stable

FCGR2A /// FCGR2C -0.091156634 6.575900247 -0.249488961 0.804302948 0.944825867 -6.959865043 stable

NCAN -0.000389856 2.237368859 -0.249360142 0.804401863 0.944825867 -6.959897678 stable

LINC01362 0.001377834 2.752679559 0.249342674 0.804415277 0.944825867 -6.959902102 stable

TNNI1 -0.001153262 3.013974178 -0.24932635 0.804427812 0.944825867 -6.959906236 stable

OSMR -0.001095045 2.455998466 -0.249301554 0.804446852 0.944825867 -6.959912515 stable

RP11-348P10.2 0.017431811 3.054046226 0.249283479 0.804460732 0.944825867 -6.959917092 stable

IGFBP3 0.063387089 3.223326622 0.24922895 0.804502605 0.944825867 -6.959930897 stable

HRH1 0.000895153 2.480490804 0.24922732 0.804503857 0.944825867 -6.95993131 stable

ADAM29 /// LOC101928551 0.000841287 2.855571682 0.249099196 0.804602245 0.944825867 -6.959963735 stable

CTD-2537I9.16 -0.000338428 2.071552074 -0.249094928 0.804605523 0.944825867 -6.959964815 stable

RNF138 -0.009144224 12.27380701 -0.249079396 0.80461745 0.944825867 -6.959968744 stable

HLA-DQA1 -0.268174633 8.401766414 -0.249041636 0.804646448 0.944825867 -6.959978297 stable

PRDM6 0.000439844 2.110563829 0.249032295 0.804653621 0.944825867 -6.959980659 stable

IL17D -0.00058235 2.447794015 -0.248921774 0.804738496 0.944825867 -6.960008609 stable

HOTS 0.000366666 2.261975084 0.248907503 0.804749456 0.944825867 -6.960012217 stable

AX746670 /// RP11-171I2.2 /// TTN 0.025966149 5.748426206 0.248880093 0.804770506 0.944825867 -6.960019146 stable

CPSF1 0.029647832 7.2587143 0.248810312 0.804824096 0.944825867 -6.960036784 stable

MROH2B -0.000334428 2.085723037 -0.248716639 0.804896037 0.944825867 -6.960060453 stable

LEP -0.001234321 2.916746789 -0.248681794 0.804922798 0.944825867 -6.960069255 stable

LOC101927286 0.000483177 2.406950373 0.248565878 0.805011824 0.944825867 -6.960098527 stable

LOC90246 0.000591446 2.509721827 0.248506122 0.805057719 0.944825867 -6.960113612 stable

HSD11B1 0.000753118 2.582832471 0.248494961 0.805066291 0.944825867 -6.960116429 stable

RALY -0.009453408 10.65719916 -0.248419294 0.805124407 0.944825867 -6.960135525 stable

AWAT1 -0.001299173 2.593849197 -0.248389248 0.805147484 0.944825867 -6.960143105 stable

ATP4B -0.00143648 2.857232154 -0.248360158 0.805169828 0.944825867 -6.960150444 stable

FBL -0.014674359 12.92980435 -0.248305168 0.805212065 0.944825867 -6.960164315 stable

LOC100505635 0.00038028 2.02107904 0.248238932 0.80526294 0.944825867 -6.960181018 stable

BCKDK -0.032101423 8.649141171 -0.248230698 0.805269265 0.944825867 -6.960183094 stable

FGD1 -0.000666739 2.563067786 -0.248226591 0.805272419 0.944825867 -6.960184129 stable

DDIT4 0.08370083 11.04246236 0.248180628 0.805307724 0.944825867 -6.960195717 stable

KRT33A 0.000593367 2.501369314 0.248168118 0.805317333 0.944825867 -6.96019887 stable

FOXR1 0.000566291 2.386092546 0.247989436 0.805454583 0.944877362 -6.960243895 stable

ANKFN1 0.000543588 2.461465742 0.24796722 0.805471648 0.944877362 -6.96024949 stable

CCT8L2 -0.000648944 2.404615806 -0.247925546 0.805503661 0.944877362 -6.960259986 stable

MGC20647 0.001275637 2.541071742 0.247840649 0.805568876 0.944877362 -6.960281361 stable

GPRIN2 0.000349285 2.024017973 0.247787837 0.805609446 0.944877362 -6.960294655 stable

POLDIP3 /// RRP7B -0.002608172 3.026448598 -0.247771869 0.805621711 0.944877362 -6.960298673 stable

PRO2964 -0.002061306 2.966063933 -0.247741367 0.805645143 0.944877362 -6.960306349 stable

RPL37 -0.005256942 16.01716026 -0.247683746 0.805689408 0.944877362 -6.960320847 stable

SYCE1 0.000981409 2.818722634 0.247640318 0.805722769 0.944877362 -6.960331772 stable

RAB11B-AS1 0.002083214 2.848024491 0.247530511 0.805807126 0.944908851 -6.960359386 stable

CYP2S1 -0.070720974 6.013030261 -0.24750078 0.805829967 0.944908851 -6.960366861 stable

MRPL45 -0.012744828 9.256926632 -0.247416975 0.80589435 0.944937238 -6.960387925 stable

SV2B 0.000448711 2.199214633 0.247340158 0.805953366 0.94495933 -6.960407227 stable

SH3TC2 0.019160019 2.691153777 0.24726041 0.806014634 0.944959575 -6.960427259 stable

MIA 0.02049883 5.360956926 0.247235301 0.806033925 0.944959575 -6.960433565 stable

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WDR38 0.000444879 2.227274259 0.24708949 0.806145953 0.944996709 -6.960470171 stable

MIR143HG -0.003365088 3.439089457 -0.246952213 0.806251428 0.945058107 -6.960504615 stable

RPS23P6 /// RPS23P6 -0.005471181 2.191277847 -0.246916734 0.806278688 0.945058107 -6.960513514 stable

NACC1 0.01130102 9.302410771 0.246826834 0.806347765 0.945091976 -6.960536057 stable

DHX32 0.021427086 8.672620361 0.246717254 0.806431964 0.945103613 -6.960563524 stable

IL21 -0.000797189 2.575095076 -0.246709326 0.806438056 0.945103613 -6.96056551 stable

SPG20 0.015254284 8.263320975 0.246555933 0.806555925 0.945139852 -6.960603938 stable

ZNF142 0.015711267 8.518695949 0.24644971 0.806637551 0.945139852 -6.960630534 stable

2-Sep -0.017223772 11.36745926 -0.246358548 0.806707605 0.945139852 -6.960653351 stable

SOX21 -0.00051309 2.231499177 -0.24630815 0.806746334 0.945139852 -6.960665961 stable

CFHR5 0.000567169 2.600982514 0.246292156 0.806758625 0.945139852 -6.960669962 stable

RP11-474D1.2 0.001394399 3.194355564 0.246281736 0.806766632 0.945139852 -6.960672569 stable

ABHD1 0.000999753 2.487790468 0.246226066 0.806809413 0.945139852 -6.960686494 stable

GRIN2D 0.000785902 2.426654101 0.246196733 0.806831956 0.945139852 -6.960693829 stable

DEFB129 0.001483026 2.470799148 0.246175375 0.806848369 0.945139852 -6.96069917 stable

C11orf63 0.002016127 2.646185451 0.246146075 0.806870887 0.945139852 -6.960706497 stable

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TGFBI 0.034111142 13.14931398 0.246041607 0.806951172 0.945139852 -6.96073261 stable

CHSY3 -0.001256871 2.893662576 -0.245964345 0.80701055 0.945162334 -6.960751916 stable

WNK4 0.000629179 2.514962452 0.24589051 0.807067296 0.94518173 -6.96077036 stable

PPP1R14D -0.000349186 2.11529816 -0.245744986 0.807179141 0.945251055 -6.960806696 stable

C16orf3 -0.000590971 2.417122856 -0.245708914 0.807206865 0.945251055 -6.9608157 stable

FAM45A /// FAM45B 0.024161817 11.39869415 0.245576386 0.807308727 0.945323272 -6.960848767 stable

PARD6A -0.021243773 6.166572991 -0.245384284 0.807456383 0.945381184 -6.960896668 stable

TTC18 0.004095469 3.977270511 0.245361305 0.807474046 0.945381184 -6.960902395 stable

RP11-568N6.1 0.052012176 6.171509638 0.245299886 0.807521256 0.945381184 -6.9609177 stable

DUSP19 0.009092311 3.487906285 0.245259786 0.80755208 0.945381184 -6.960927691 stable

LINC00659 0.000407813 2.202156187 0.24525059 0.807559149 0.945381184 -6.960929982 stable

LOC100130093 /// SNAP47 0.011833554 8.557323379 0.245134211 0.807648609 0.945390479 -6.960958967 stable

LOC283588 -0.023065004 6.45010008 -0.245091755 0.807681245 0.945390479 -6.960969537 stable

CACNA1D -0.000334693 2.056910957 -0.245083397 0.807687669 0.945390479 -6.960971618 stable

CPED1 -0.046439695 6.279910528 -0.245019232 0.807736995 0.945401167 -6.96098759 stable

CIAPIN1 0.017669833 8.542686701 0.2448257 0.80788577 0.945493113 -6.961035737 stable

STARD9 0.028482582 5.633413351 0.244718529 0.807968161 0.945493113 -6.961062383 stable

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LOC101929289 -0.009024293 3.761317195 -0.244670374 0.808005181 0.945493113 -6.961074352 stable

TMEM150A 0.015786337 6.953498599 0.244624359 0.808040557 0.945493113 -6.961085787 stable

CDK10 -0.016386254 7.685276603 -0.244603312 0.808056739 0.945493113 -6.961091017 stable

CPQ 0.02864479 9.130626246 0.244475061 0.80815534 0.945561446 -6.961122874 stable

PFDN5 -0.007579292 13.92968235 -0.244337538 0.808261073 0.945573169 -6.961157015 stable

LOC102723526 0.001493478 2.300422063 0.244289663 0.808297882 0.945573169 -6.961168896 stable

MAST4 0.000441469 1.85906264 0.244267473 0.808314943 0.945573169 -6.961174402 stable

TRMT10A 0.023416466 5.960174618 0.244252879 0.808326164 0.945573169 -6.961178023 stable

GUCA2B -0.00044331 2.400582257 -0.244197938 0.808368407 0.945575557 -6.961191653 stable

LOC100130992 0.001156226 2.747444616 0.244027811 0.808499217 0.94568154 -6.961233838 stable

SOCS2-AS1 -0.004256153 3.192709584 -0.24377374 0.808694582 0.945810515 -6.961296784 stable

CTD-2313J17.5 -0.000922 2.734033964 -0.243646032 0.808792787 0.945810515 -6.961328399 stable

COPE 0.015054899 11.6497691 0.243630694 0.808804581 0.945810515 -6.961332195 stable

TRIM25 0.022457562 7.791033517 0.243616007 0.808815876 0.945810515 -6.961335829 stable

SPINT1 -0.049255468 7.602037353 -0.243466715 0.808930682 0.945810515 -6.961372762 stable

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H2BFM 0.00129088 3.042224608 0.243260391 0.809089354 0.945810515 -6.961423766 stable

NUCKS1 -0.015393127 11.4837221 -0.243207364 0.809130135 0.945810515 -6.961436868 stable

RNASE1 0.017704878 3.205034898 0.243177762 0.809152901 0.945810515 -6.96144418 stable

B3GNT8 -0.045002655 6.231146747 -0.24308907 0.809221113 0.945810515 -6.961466085 stable

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PTPRT 0.000391768 2.162565368 0.243054197 0.809247934 0.945810515 -6.961474695 stable

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RAP2C 0.016905821 9.395865941 0.243046698 0.809253701 0.945810515 -6.961476547 stable

CORO2A -0.026624965 5.437717278 -0.243013758 0.809279036 0.945810515 -6.961484679 stable

MIPEPP3 0.036674269 2.524080185 0.242998932 0.809290439 0.945810515 -6.961488338 stable

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B3GNTL1 -0.027209392 5.904712578 -0.242783489 0.809456142 0.945810515 -6.961541494 stable

SNX7 -0.038657989 2.482694284 -0.242551695 0.809634432 0.945810515 -6.961598631 stable

RBPMS-AS1 0.001149709 2.922718885 0.242540031 0.809643405 0.945810515 -6.961601505 stable

SEMA7A 0.000379541 2.119685238 0.242472669 0.80969522 0.945810515 -6.961618098 stable

BCL11B 0.03962185 11.91071324 0.242436302 0.809723194 0.945810515 -6.961627055 stable

MPZL2 0.033364964 3.281375158 0.242430422 0.809727717 0.945810515 -6.961628503 stable

BATF2 0.071152551 4.810441064 0.242409351 0.809743925 0.945810515 -6.961633692 stable

CCDC96 -0.002729093 1.937723269 -0.242381524 0.80976533 0.945810515 -6.961640543 stable

WNT8B -0.00844502 2.831837253 -0.242378432 0.809767709 0.945810515 -6.961641305 stable

SYN2 -0.001867271 2.751235014 -0.242307528 0.809822251 0.945810515 -6.961658759 stable

JKAMP 0.013463555 10.39349094 0.242292747 0.809833621 0.945810515 -6.961662397 stable

GAB4 -0.000631423 2.443961369 -0.242257804 0.809860501 0.945810515 -6.961670997 stable

DNAJC7 -0.038980967 6.367639972 -0.242246313 0.809869341 0.945810515 -6.961673825 stable

LOC100128288 -0.007645791 4.387410187 -0.242213362 0.809894689 0.945810515 -6.961681933 stable

ERVFRD-1 0.000507867 2.227500064 0.242211339 0.809896245 0.945810515 -6.96168243 stable

DOCK9 0.033332941 10.15324379 0.24200754 0.810053024 0.945946637 -6.961732552 stable

ADAMTS16 -0.000782595 2.62878448 -0.241867458 0.81016079 0.946014959 -6.961766978 stable

LINC00920 -0.037283079 5.841274439 -0.24182693 0.81019197 0.946014959 -6.961776935 stable

LOC102724511 0.007187481 2.986328286 0.241663964 0.810317348 0.946114387 -6.961816953 stable

ZNF346 0.015366273 7.604635303 0.241433881 0.810494371 0.946118026 -6.961873408 stable

C8orf17 0.000371721 2.156305477 0.241418613 0.810506119 0.946118026 -6.961877153 stable

ZNF70 -0.001959161 3.056161491 -0.241352156 0.810557252 0.946118026 -6.961893448 stable

EEF1B2 /// SNORA41 -0.012284147 14.49598864 -0.241324141 0.810578807 0.946118026 -6.961900316 stable

OPRK1 0.000416059 2.256784409 0.241301353 0.810596341 0.946118026 -6.961905902 stable

MVB12B -0.009323385 2.672577666 -0.241293424 0.810602442 0.946118026 -6.961907846 stable

GID8 0.010540662 10.10774435 0.241211509 0.810665471 0.946118026 -6.96192792 stable

GRIK1-AS1 -0.002932585 3.260432427 -0.241154766 0.810709133 0.946118026 -6.961941822 stable

LINC00415 /// LINC00415 0.00364641 3.179122158 0.241136915 0.810722868 0.946118026 -6.961946195 stable

ELN -0.001150429 2.396254724 -0.241085312 0.810762575 0.946118026 -6.961958834 stable

SPATA18 -0.001173468 3.08904853 -0.241084849 0.810762932 0.946118026 -6.961958947 stable

HSD11B2 -0.000414203 1.902038404 -0.240961923 0.810857522 0.946167131 -6.961989044 stable

LOC101928298 0.000612755 2.276008293 0.24092561 0.810885465 0.946167131 -6.961997932 stable

LINC01343 0.00234487 3.224230419 0.240824331 0.810963401 0.946211129 -6.962022713 stable

ALDOA -0.009682745 14.13242134 -0.240548695 0.811175517 0.946407669 -6.962090104 stable

ERF 0.018012893 7.222189352 0.240480187 0.811228239 0.946407669 -6.962106842 stable

GPAT2 0.066778138 3.951531049 0.240389491 0.811298039 0.946407669 -6.962128994 stable

DLGAP3 0.034592013 3.446309261 0.240349415 0.811328882 0.946407669 -6.962138779 stable

PIGL 0.015795631 5.336690543 0.240344024 0.811333031 0.946407669 -6.962140095 stable

ATP5D 0.007535168 9.194091292 0.240233538 0.811418064 0.946446195 -6.962167064 stable

ICOSLG -0.007512398 2.945621931 -0.240182121 0.811457637 0.946446195 -6.96217961 stable

HDHD3 -0.032580748 7.382127695 -0.240107697 0.811514918 0.946446195 -6.962197765 stable

SENP2 -0.018082518 6.784003578 -0.240091983 0.811527012 0.946446195 -6.962201598 stable

RECQL4 -0.025545528 4.540042699 -0.240008108 0.811591569 0.946453773 -6.962222051 stable

DDRGK1 0.012144546 8.600602786 0.239925415 0.811655217 0.946453773 -6.962242209 stable

PCDHB3 -0.000764884 2.558885284 -0.23989278 0.811680336 0.946453773 -6.962250162 stable

ZNF618 0.01802853 4.10311807 0.239860752 0.811704988 0.946453773 -6.962257966 stable

OLFML3 -0.000460945 2.246697717 -0.239822146 0.811734704 0.946453773 -6.962267372 stable

LOC101927071 0.00036124 2.116952699 0.239711742 0.811819684 0.946494472 -6.962294262 stable

KRTAP9-8 0.000424472 2.061766947 0.23967224 0.81185009 0.946494472 -6.962303881 stable

SCRN1 0.028885472 9.431490732 0.239549589 0.811944501 0.946557624 -6.962333734 stable

LOC101926975 0.000310586 1.976629603 0.23945578 0.812016713 0.946594891 -6.962356558 stable

RP11-495P10.9 0.000421971 2.272455694 0.239292743 0.81214222 0.946694278 -6.962396203 stable

LHX4 0.001021103 2.626548673 0.239134738 0.812263857 0.946777076 -6.962434598 stable

FGF10 0.000975311 2.805340039 0.239095903 0.812293754 0.946777076 -6.962444031 stable

INTS4L1 0.001747679 2.437273998 0.238891208 0.812451343 0.946913832 -6.962493727 stable

KIF26B -0.006505567 2.796911664 -0.238818197 0.812507554 0.946932424 -6.962511442 stable

FLJ11710 -0.017941437 4.67338876 -0.23872471 0.812579531 0.946969387 -6.962534118 stable

ZNF736 0.002220721 3.088745913 0.238631006 0.812651677 0.946974544 -6.962556837 stable

TRIM40 -0.00996651 2.891411055 -0.238588352 0.812684518 0.946974544 -6.962567176 stable

LOC101060604 /// SLC7A5P1 /// SLC7A5P2 -0.000707635 2.383888182 -0.23856209 0.812704738 0.946974544 -6.962573541 stable

DEFA4 -0.143669875 7.369869842 -0.238472971 0.812773356 0.946982812 -6.962595134 stable

SPICE1 0.00181156 2.725130226 0.238448296 0.812792356 0.946982812 -6.962601112 stable

TMEM167A -0.018457466 11.50042281 -0.238314517 0.812895363 0.947055914 -6.962633507 stable

LOC100506411 0.000388337 2.175669423 0.238209508 0.812976222 0.947103205 -6.962658923 stable

APOBEC1 0.005240148 2.46427195 0.238057085 0.813093593 0.947193027 -6.962695796 stable

KRTAP9-4 0.000338597 1.732336134 0.237878081 0.813231437 0.947293168 -6.962739068 stable

ENOSF1 0.02617071 8.768841716 0.237816362 0.813278966 0.947293168 -6.962753981 stable

RPL21 /// RPL21P28 /// SNORA27 /// SNORD102 0.00258471 15.56224678 0.237780381 0.813306675 0.947293168 -6.962762673 stable

TMEM151B -0.014485889 6.220515109 -0.237736259 0.813340654 0.947293168 -6.962773329 stable

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RERG 0.002522228 3.478686927 0.237566077 0.813471715 0.947351993 -6.962814415 stable

SUGP1 0.010530829 4.098205186 0.237399833 0.813599749 0.947454188 -6.962854521 stable

LOC100506374 0.002702715 2.700553224 0.23730959 0.813669252 0.947488217 -6.96287628 stable

LYZL4 -0.000420908 2.169573375 -0.237247093 0.813717388 0.94749736 -6.962891345 stable

KCNQ3 -0.000888531 2.600326407 -0.237128236 0.813808933 0.947557047 -6.962919983 stable

NSUN2 -0.012070201 9.85838725 -0.236911198 0.813976104 0.947569622 -6.962972242 stable

TAS2R1 0.00116612 2.377511328 0.236903556 0.813981991 0.947569622 -6.962974081 stable

HAS3 0.017538786 4.681499192 0.236902433 0.813982856 0.947569622 -6.962974351 stable

FOXL1 0.000818604 2.777993069 0.236856782 0.81401802 0.947569622 -6.962985336 stable

CTD-2553C6.1 0.013829249 5.186561812 0.236852701 0.814021163 0.947569622 -6.962986318 stable

ULK4 0.004932862 2.876840769 0.236536948 0.814264389 0.947804943 -6.963062241 stable

UBL4B 0.001483285 3.049743063 0.236485643 0.814303911 0.947804943 -6.963074568 stable

C16orf71 -0.011316374 4.266592513 -0.236392075 0.814375991 0.947841936 -6.963097042 stable

BLOC1S1 -0.01756872 10.77252576 -0.236261837 0.814476322 0.947911805 -6.96312831 stable

SERAC1 0.004429797 2.924207841 0.23614775 0.814564215 0.947952898 -6.963155686 stable

RBCK1 -0.010768022 9.887113034 -0.236075357 0.814619987 0.947952898 -6.96317305 stable

NMUR2 -0.002685191 1.995290568 -0.236001616 0.814676799 0.947952898 -6.963190732 stable

NAMPT 0.046976847 9.943283813 0.235959577 0.814709188 0.947952898 -6.96320081 stable

TMED3 -0.01895721 8.869005638 -0.235928405 0.814733204 0.947952898 -6.963208281 stable

MAPK10 0.001171512 2.475309225 0.235885631 0.814766159 0.947952898 -6.963218532 stable

LACC1 0.033771917 3.136806482 0.235849823 0.814793748 0.947952898 -6.963227112 stable

NEK6 -0.030464446 7.882573708 -0.235741205 0.814877434 0.94800337 -6.963253131 stable

LOC101929745 -0.001207887 3.109789104 -0.235688839 0.814917782 0.94800342 -6.96326567 stable

TRMT2B -0.010039308 8.235216339 -0.235597554 0.814988117 0.948024632 -6.963287522 stable

LOC101930059 /// LOC102724250 /// NBPF1 /// NBPF11 /// NBPF15 -0.030113194 8.08063545 -0.235560552 0.815016627 0.948024632 -6.963296378 stable

MASTL 0.029315492 7.256988052 0.235378145 0.815157178 0.948134997 -6.963340011 stable

CEP131 -0.006196796 2.530579464 -0.235332788 0.815192128 0.948134997 -6.963350856 stable

ZNRF1 -0.027975288 7.215111642 -0.23519272 0.81530006 0.948179156 -6.963384332 stable

SERPINA7 0.000798907 2.536340988 0.235135112 0.815344452 0.948179156 -6.963398095 stable

RNF19B -0.028013262 8.518488144 -0.235084902 0.815383144 0.948179156 -6.963410087 stable

SIDT2 0.026907325 9.82025601 0.23503216 0.815423788 0.948179156 -6.963422682 stable

SCUBE3 0.000624248 2.416150635 0.23502195 0.815431655 0.948179156 -6.963425119 stable

CLEC4E 0.087176231 6.494979759 0.234933292 0.815499977 0.948180529 -6.963446283 stable

CTB-31O20.9 0.000500781 2.473416749 0.234915796 0.81551346 0.948180529 -6.963450459 stable

GGT6 -0.0015772 3.071998655 -0.234747539 0.815643127 0.948254348 -6.963490599 stable

MAP3K14-AS1 -0.016906354 4.920893196 -0.234728784 0.815657582 0.948254348 -6.963495071 stable

RTEL1 -0.028080949 4.908429233 -0.234553804 0.815792436 0.948280597 -6.963536781 stable

LOC101928622 0.00124844 3.04452713 0.234539726 0.815803286 0.948280597 -6.963540136 stable

SLC7A11-AS1 0.000632909 2.296975969 0.234469209 0.815857635 0.948280597 -6.963556935 stable

TRIM41 -0.009915937 9.193983938 -0.234457969 0.815866297 0.948280597 -6.963559612 stable

SOD2 -0.020558233 9.812174685 -0.23443793 0.815881742 0.948280597 -6.963564385 stable

MORN4 0.003917533 4.229445708 0.234379041 0.815927129 0.948286491 -6.963578409 stable

SLC16A11 0.012145079 3.94146207 0.234202023 0.816063566 0.948357519 -6.963620542 stable

CTC-425F1.4 -0.023839357 10.18169209 -0.234195125 0.816068883 0.948357519 -6.963622183 stable

DZIP1L 0.008202531 3.427282314 0.23410223 0.816140484 0.94839387 -6.96364428 stable

LOC102724718 -0.00796695 3.980671335 -0.23396064 0.816249621 0.948473834 -6.963677943 stable

NDRG4 0.000411948 2.241704834 0.233898159 0.816297782 0.948482939 -6.963692792 stable

RP11-495K9.5 -0.001460295 2.950348814 -0.233443128 0.81664855 0.948843635 -6.963800811 stable

ZMIZ1 -0.019647371 11.49620582 -0.233308735 0.816752156 0.948917138 -6.963832674 stable

PMS2P3 -0.016157509 9.265245851 -0.233119528 0.816898025 0.949039734 -6.963877502 stable

C19orf70 -0.009129758 10.16768079 -0.233026698 0.816969595 0.949067071 -6.963899482 stable

PRKG1-AS1 0.000781264 2.447823987 0.232947187 0.817030897 0.949067071 -6.963918302 stable

RGAG4 0.023678596 6.494439599 0.232837828 0.817115214 0.949067071 -6.963944176 stable

FAM46A 0.027545279 10.22756275 0.232824313 0.817125634 0.949067071 -6.963947373 stable

CRK 0.020726749 9.559771533 0.232637214 0.817269895 0.949067071 -6.96399161 stable

CELSR3-AS1 -0.000337298 2.115189233 -0.232625079 0.817279251 0.949067071 -6.963994478 stable

KIAA0391 /// PSMA6 0.016066621 9.591106041 0.232623268 0.817280648 0.949067071 -6.963994906 stable

DYRK4 -0.021423207 7.67250841 -0.232594689 0.817302684 0.949067071 -6.964001659 stable

PLA2R1 0.001180481 2.678304564 0.232544105 0.817341687 0.949067071 -6.964013611 stable

JMJD7 /// JMJD7-PLA2G4B 0.014037889 7.379518145 0.232513172 0.81736554 0.949067071 -6.964020918 stable

RPS11P1 /// RPS11P1 -0.000695774 2.721658127 -0.232488093 0.817384877 0.949067071 -6.964026842 stable

LOC100506895 0.000966199 2.703667671 0.232461019 0.817405754 0.949067071 -6.964033236 stable

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POLR2K -0.016814612 9.130656123 -0.232151455 0.817644463 0.949075315 -6.964106295 stable

BACE1 0.053444542 5.427882284 0.23212749 0.817662944 0.949075315 -6.964111947 stable

XAGE-4 0.014341881 2.54301959 0.232127072 0.817663266 0.949075315 -6.964112045 stable

BC047626 -0.00131291 2.534251303 -0.232083846 0.8176966 0.949075315 -6.964122238 stable

LINC00824 -0.009771913 4.356378505 -0.232045859 0.817725895 0.949075315 -6.964131194 stable

FLVCR2 -0.020023442 6.055179166 -0.232027693 0.817739903 0.949075315 -6.964135476 stable

NUDT1 -0.019991132 7.465055171 -0.231925383 0.817818803 0.949075315 -6.964159588 stable

NOBOX 0.001185196 2.540105623 0.231910973 0.817829915 0.949075315 -6.964162983 stable

TMEM189 /// TMEM189-UBE2V1 /// UBE2V1 /// UBE2V2 -0.007124983 11.6011814 -0.23188658 0.817848727 0.949075315 -6.96416873 stable

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CCDC157 0.009062125 4.633882741 0.231758674 0.817947369 0.949086906 -6.964198854 stable

TPO -0.0003325 2.217597502 -0.231730934 0.817968762 0.949086906 -6.964205385 stable

PDLIM5 0.024085062 9.659589158 0.231699757 0.817992806 0.949086906 -6.964212724 stable

CCDC135 -0.000622141 2.460654984 -0.231610156 0.81806191 0.949086906 -6.964233811 stable

ATP8B2 0.015830086 8.59279988 0.231596568 0.81807239 0.949086906 -6.964237008 stable

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LOC283387 0.000322914 2.013451035 0.231497045 0.818149148 0.949086906 -6.96426042 stable

HSD17B10 0.016197705 10.65056267 0.231250138 0.818339583 0.949164882 -6.964318458 stable

STMN1 0.002320181 2.858598528 0.231178132 0.818395123 0.949164882 -6.964335372 stable

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TMA7 0.006853517 14.37216028 0.231043989 0.818498592 0.949164882 -6.964366868 stable

CPM 0.044486897 7.107108214 0.23103075 0.818508804 0.949164882 -6.964369975 stable

SLC2A9 0.052491301 5.481349849 0.231015398 0.818520646 0.949164882 -6.964373579 stable

KALRN 0.00076501 2.424920356 0.230991347 0.818539197 0.949164882 -6.964379223 stable

FARP1 -0.001341438 3.020372153 -0.230801677 0.818685504 0.949287737 -6.964423715 stable

E2F7 0.01244914 2.618896512 0.230642826 0.818808043 0.949331432 -6.96446095 stable

NCSTN -0.012812693 10.04952386 -0.230464695 0.818945459 0.949331432 -6.964502673 stable

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FHOD1 -0.016491525 8.854299982 -0.230247679 0.819112881 0.949331432 -6.964553462 stable

GALNT2 -0.021130475 9.114681389 -0.230224751 0.81913057 0.949331432 -6.964558825 stable

FAM126B 0.018741808 7.924094026 0.230187381 0.819159401 0.949331432 -6.964567565 stable

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FGA 0.001123065 2.894301925 0.23008744 0.819236507 0.949331432 -6.964590932 stable

GTSF1 0.047613702 5.240556929 0.230003031 0.819301631 0.949331432 -6.96461066 stable

PPM1G 0.012548996 9.909059033 0.230000198 0.819303817 0.949331432 -6.964611322 stable

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DKFZp451A211 /// LOC101928841 -0.006318293 4.275106611 -0.22980788 0.8194522 0.949331432 -6.964656241 stable

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FAM101A /// ZNF664-FAM101A 0.000381859 2.321082111 0.229739426 0.819505018 0.949331432 -6.964672221 stable

ADD1 -0.01107487 11.08796614 -0.22970954 0.819528078 0.949331432 -6.964679197 stable

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SCAP -0.007458819 10.09171355 -0.229623001 0.819594851 0.949331432 -6.964699389 stable

MYNN /// RP11-362K14.5 0.008584036 3.193259108 0.229557769 0.819645185 0.949331432 -6.964714604 stable

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LPAR3 0.003463351 2.545088293 0.229478298 0.819706506 0.949331432 -6.964733135 stable

TBP -0.011927039 8.9917934 -0.22939943 0.819767365 0.949331432 -6.96475152 stable

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STARD7-AS1 -0.016950394 4.214963315 -0.22909634 0.820001251 0.949451072 -6.964822111 stable

TCL6 0.001002676 2.56625862 0.229057886 0.820030926 0.949451072 -6.964831061 stable

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CYP2U1 0.004158513 3.174235588 0.22873177 0.820282602 0.949451072 -6.964906899 stable

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SMCO4 0.04626566 10.5759938 0.228147388 0.82073364 0.949530695 -6.965042527 stable

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C7orf57 0.003200334 3.368881404 0.225082969 0.823099825 0.950283757 -6.965748076 stable

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SYCP3 -0.005205426 3.77993734 -0.224921553 0.823224509 0.950324221 -6.965784977 stable

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LINC00348 0.00154818 2.739384987 0.224789979 0.823326145 0.950358456 -6.965815036 stable

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HLA-A 0.007851868 14.47182637 0.224481557 0.823564402 0.950444492 -6.965885428 stable

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ANKRD26P3 -0.002671179 3.083273997 -0.216513532 0.829725511 0.952509822 -6.967670582 stable

LOC284648 -0.002042744 2.566081087 -0.216294478 0.829895045 0.952657948 -6.96771875 stable

LOC100505555 /// ZNF846 0.003610262 3.603214887 0.216095456 0.830049084 0.952722001 -6.967762471 stable

PIBF1 -0.016210441 8.081488798 -0.216071678 0.830067488 0.952722001 -6.967767692 stable

LOC102723390 -0.007507787 3.807341056 -0.216065383 0.83007236 0.952722001 -6.967769074 stable

TCF7L2 0.035970748 7.110052342 0.215930662 0.830176635 0.952770789 -6.967798642 stable

BOC 0.001926849 2.993023831 0.215885661 0.830211468 0.952770789 -6.967808515 stable

PDLIM4 0.000470927 2.321944569 0.215853465 0.830236388 0.952770789 -6.967815577 stable

GKN2 -0.001313104 2.497559556 -0.215726215 0.830334885 0.952827939 -6.967843479 stable

FLJ40288 0.000372946 1.990449081 0.215684458 0.830367208 0.952827939 -6.967852631 stable

SIKE1 0.000371874 2.17149854 0.215613438 0.830422182 0.952844536 -6.967868194 stable

SRP9 -0.00784756 13.43216005 -0.215302569 0.830662826 0.95304517 -6.967936253 stable

FEZF2 0.000839923 2.500533475 0.21528287 0.830678076 0.95304517 -6.967940562 stable

PHF6 0.006531456 5.550630655 0.215203148 0.830739792 0.953057609 -6.967957999 stable

MCEMP1 -0.052715311 9.715817978 -0.215164182 0.830769957 0.953057609 -6.967966519 stable

LOC101930150 /// NF1 -0.008119464 5.703074958 -0.215046232 0.83086127 0.953115876 -6.967992299 stable

TRIQK 0.000288313 2.002050536 0.21491908 0.830959709 0.953172629 -6.968020076 stable

FZD10-AS1 0.000434729 2.312692546 0.214877639 0.830991792 0.953172629 -6.968029125 stable

MINOS1-NBL1 /// NBL1 -0.018168658 3.465611763 -0.214578854 0.831223119 0.95330272 -6.968094318 stable

SIX2 0.000539652 2.371650463 0.214492468 0.831290005 0.95330272 -6.96811315 stable

MIR6824 /// SLC26A6 -0.018653679 7.965432548 -0.214417255 0.83134824 0.95330272 -6.968129539 stable

CDRT15L2 0.000804342 2.897167471 0.214373258 0.831382306 0.95330272 -6.968139124 stable

GEMIN7 0.018960143 8.78294253 0.214358424 0.831393792 0.95330272 -6.968142356 stable

ZAR1 -0.001050918 2.974826163 -0.214352156 0.831398645 0.95330272 -6.968143721 stable

SLC6A10P /// SLC6A10PB /// SLC6A8 0.011550746 3.681007799 0.214291825 0.83144536 0.95330272 -6.96815686 stable

DAZAP2 /// LOC102723983 0.004335084 2.400930569 0.214181157 0.831531051 0.95330272 -6.968180952 stable

FAM182A /// FAM182B /// FAM27B /// FAM27C 0.001722666 3.489889521 0.21415106 0.831554355 0.95330272 -6.968187501 stable

LOC286367 0.014368007 2.636484621 0.21411586 0.831581611 0.95330272 -6.96819516 stable

MALSU1 -0.007230911 11.78558962 -0.214102734 0.831591775 0.95330272 -6.968198016 stable

GNG12 0.003148639 3.3133341 0.214098403 0.83159513 0.95330272 -6.968198959 stable

LMOD2 -0.000526071 2.667975886 -0.213913528 0.831738287 0.95330272 -6.968239161 stable

GABRG2 0.001077415 2.851236412 0.213876056 0.831767304 0.95330272 -6.968247306 stable

INHBA 0.002464172 3.574076449 0.213847726 0.831789242 0.95330272 -6.968253462 stable

RBKS 0.007093144 5.900068741 0.213750595 0.831864459 0.95330272 -6.968274564 stable

PRND 0.00102138 2.949576241 0.213711913 0.831894414 0.95330272 -6.968282965 stable

SDR9C7 0.000394766 2.335095564 0.213706146 0.83189888 0.95330272 -6.968284217 stable

LINC00638 -0.017662793 4.951532725 -0.213663156 0.831932171 0.95330272 -6.968293552 stable

PDE3A -0.00056393 2.44369252 -0.213623981 0.831962509 0.95330272 -6.968302056 stable

LOC100134317 /// LOC284412 -0.017485708 4.287095867 -0.213591084 0.831987985 0.95330272 -6.968309197 stable

SLC25A3P1 0.002074582 3.275373094 0.213579619 0.831996864 0.95330272 -6.968311685 stable

GCNT3 0.00302688 3.04301089 0.21348839 0.832067514 0.953323124 -6.96833148 stable

CXorf56 -0.006427696 5.045827651 -0.213378406 0.832152691 0.953323124 -6.968355334 stable

SNX10 -0.024522883 11.14193022 -0.213288989 0.832221941 0.953323124 -6.968374717 stable

TTC23 -0.000631373 2.700651645 -0.21328064 0.832228407 0.953323124 -6.968376527 stable

VPS13B 0.022259283 5.771790174 0.213155261 0.832325511 0.953323124 -6.968403692 stable

FBXL19 -0.012929743 7.684400131 -0.213085058 0.832379884 0.953323124 -6.968418895 stable

PAK2 -0.010882174 10.4134133 -0.213008955 0.832438826 0.953323124 -6.96843537 stable

SPATA19 0.000270733 1.971082663 0.212995378 0.832449341 0.953323124 -6.968438309 stable

CLEC12A -0.059373175 10.98541293 -0.21293013 0.832499878 0.953323124 -6.968452429 stable

ZNF540 0.032677995 4.9592777 0.212919685 0.832507968 0.953323124 -6.968454689 stable

COL8A1 0.00115022 3.039138607 0.212917419 0.832509723 0.953323124 -6.968455179 stable

FMO3 -0.000355213 2.144654972 -0.212902431 0.832521332 0.953323124 -6.968458422 stable

RP11-510C10.2 0.000326445 2.116470944 0.212818116 0.832586637 0.953323124 -6.968476659 stable

TINAG -0.001221211 2.562496763 -0.212712634 0.83266834 0.953323124 -6.968499464 stable

C1orf85 0.022743874 6.883869177 0.212545383 0.832797889 0.953323124 -6.968535601 stable

ADCK2 0.014651873 8.669680223 0.212466391 0.832859076 0.953323124 -6.968552658 stable

LINC00476 /// LOC101930476 -0.036865285 2.888703923 -0.212435551 0.832882965 0.953323124 -6.968559316 stable

RECQL5 -0.004585443 3.488775014 -0.212421415 0.832893916 0.953323124 -6.968562368 stable

NEUROD6 -0.000635634 2.610528846 -0.21240953 0.832903122 0.953323124 -6.968564933 stable

RASSF8-AS1 0.000335878 2.230241593 0.212398962 0.832911308 0.953323124 -6.968567214 stable

DKFZp434E1119 -0.001484066 2.895611924 -0.212388592 0.832919341 0.953323124 -6.968569452 stable

CEBPE -0.015903732 6.09873255 -0.212385822 0.832921486 0.953323124 -6.96857005 stable

ICAM1 -0.03186394 8.735444265 -0.212202219 0.833063713 0.953323124 -6.968609658 stable

CXCL10 0.083045915 7.185080712 0.212159744 0.833096616 0.953323124 -6.968618816 stable

GPR85 0.001646461 3.265077849 0.212153309 0.833101601 0.953323124 -6.968620203 stable

TCTN2 -0.01002105 6.24335313 -0.212152843 0.833101962 0.953323124 -6.968620303 stable

LOC101928703 /// MGC45800 0.002104214 3.290223018 0.212143757 0.833109001 0.953323124 -6.968622262 stable

SET -0.013988813 12.12400554 -0.212036252 0.833192282 0.953345893 -6.968645431 stable

RASGRF2 -0.016270305 4.859678448 -0.211942518 0.833264897 0.953345893 -6.968665623 stable

LOC100132891 0.010707585 3.024978417 0.211868911 0.833321921 0.953345893 -6.968681473 stable

RFC5 0.012022997 7.734035345 0.211862477 0.833326905 0.953345893 -6.968682858 stable

SPAG7 -0.008094112 10.61676369 -0.211809109 0.83336825 0.953345893 -6.968694346 stable

MYCLP1 /// MYCLP1 0.000318056 2.16265736 0.211804153 0.833372089 0.953345893 -6.968695413 stable

COQ6 -0.01667668 6.610615522 -0.211524187 0.833588992 0.953543181 -6.96875563 stable

LOC100288310 0.000306043 1.940148823 0.211476899 0.833625629 0.953543181 -6.968765793 stable

BC033241 0.000658724 2.43722253 0.211422817 0.833667531 0.953544738 -6.968777413 stable

DAAM1 0.129161488 6.14844714 0.211216605 0.833827304 0.953644881 -6.968821694 stable

RP3-334F4.2 -0.00031613 2.209018941 -0.211205159 0.833836173 0.953644881 -6.968824151 stable

LOC100505774 -0.000355462 2.128457242 -0.211103651 0.833914825 0.953688462 -6.968845932 stable

LOC100131347 0.000294172 2.139009621 0.211014935 0.833983566 0.953720705 -6.968864959 stable

FLJ34521 -0.001983726 2.756539692 -0.210798258 0.834151463 0.953854007 -6.968911397 stable

LINC01424 -0.004101166 2.778409405 -0.210759832 0.834181239 0.953854007 -6.968919627 stable

DPPA5 0.000758145 2.681701948 0.210682651 0.834241046 0.953876022 -6.968936154 stable

OGFOD2 0.011377217 7.890868668 0.21048441 0.834394669 0.954005299 -6.968978575 stable

GPR31 0.000307686 2.017662967 0.210257983 0.834570141 0.954155097 -6.96902698 stable

TMEM175 -0.012187885 8.40950656 -0.210210657 0.834606818 0.954155097 -6.96903709 stable

GUSB 0.013823174 10.9225755 0.210120494 0.834676694 0.954156991 -6.969056346 stable

LOC100132661 0.000268838 1.987543601 0.210038894 0.834739935 0.954156991 -6.969073766 stable

NDUFA13 0.014383888 11.03793302 0.209916188 0.834835035 0.954156991 -6.969099949 stable

TNXB 0.001539964 3.388554496 0.209877501 0.834865019 0.954156991 -6.9691082 stable

EFHC2 0.002805019 2.860021997 0.209874788 0.834867121 0.954156991 -6.969108779 stable

OR7E14P -0.003694126 2.457810088 -0.209836313 0.834896941 0.954156991 -6.969116984 stable

SLC37A2 0.034341496 8.856551472 0.209789828 0.83493297 0.954156991 -6.969126895 stable

RP11-343H5.6 0.001260333 2.768366429 0.209693641 0.835007521 0.954156991 -6.969147396 stable

AK054988 /// TPTE2P1 /// TPTE2P1 0.0026374 3.46395755 0.209663438 0.835030931 0.954156991 -6.969153831 stable

GNL3 /// SNORD19B -0.009131415 10.500728 -0.209612413 0.83507048 0.954156991 -6.969164701 stable

NEB 0.043485902 3.288505198 0.209559063 0.835111831 0.954156991 -6.969176064 stable

ZNF839 -0.006512791 5.443373726 -0.209554807 0.83511513 0.954156991 -6.96917697 stable

LINC01270 -0.00129412 3.003546431 -0.209463241 0.835186103 0.954156991 -6.969196464 stable

XRRA1 -0.044388494 6.32087229 -0.209434232 0.835208588 0.954156991 -6.969202639 stable

LOC647323 0.000455146 2.251929322 0.209423422 0.835216967 0.954156991 -6.969204939 stable

TNNI2 -0.031451929 3.13422716 -0.209360577 0.83526568 0.954166297 -6.969218312 stable

FAM134A -0.01150209 9.961325194 -0.209167283 0.835415511 0.954276348 -6.969259416 stable

TMCO1 0.011437766 9.974275112 0.209131615 0.83544316 0.954276348 -6.969266997 stable

ZRANB2-AS1 0.00046455 2.516915352 0.209067991 0.835492479 0.95428634 -6.969280516 stable

CXorf38 -0.017146052 10.51612105 -0.208983235 0.835558181 0.954315042 -6.969298519 stable

RECQL 0.019197734 10.24135349 0.208883834 0.835635236 0.954356708 -6.969319624 stable

LOC101928014 0.00030318 2.126249347 0.208686423 0.835788275 0.954441017 -6.969361508 stable

GRN -0.031044789 12.80716406 -0.208644976 0.835820407 0.954441017 -6.969370296 stable

FLT3 0.067993913 5.351266827 0.208570152 0.835878414 0.954441017 -6.969386158 stable

DLEU2 /// DLEU2L /// MIR15A -0.021944486 8.43913577 -0.208555237 0.835889977 0.954441017 -6.969389319 stable

DDX54 0.006368463 9.313985977 0.208510084 0.835924983 0.954441017 -6.969398888 stable

ERICH3-AS1 -0.000780584 2.537706559 -0.20840794 0.836004173 0.954441017 -6.969420526 stable

LOC102724201 0.000887861 2.912396371 0.208396482 0.836013056 0.954441017 -6.969422952 stable

ZMYND8 -0.038092429 6.492475725 -0.208369876 0.836033683 0.954441017 -6.969428586 stable

LOC100132057 0.015504727 6.621487921 0.20822873 0.836143115 0.954446064 -6.969458463 stable

C2orf40 -0.034522608 3.583656974 -0.208212474 0.836155718 0.954446064 -6.969461903 stable

LOC221814 0.000715652 2.62216235 0.208207158 0.83615984 0.954446064 -6.969463028 stable

CMTR1 -0.008385739 9.722258013 -0.20812835 0.836220942 0.95446949 -6.969479699 stable

RPGRIP1L -0.00890483 2.936090465 -0.208000866 0.836319786 0.954535991 -6.969506654 stable

WDR46 -0.009508943 8.969314312 -0.207780937 0.836490313 0.954600115 -6.969553116 stable

ATP5L 0.00496494 13.09223118 0.207756914 0.836508941 0.954600115 -6.969558188 stable

IQUB 0.000683245 2.756888086 0.207657934 0.83658569 0.954600115 -6.96957908 stable

FAM132A -0.014349621 3.333002706 -0.207655282 0.836587747 0.954600115 -6.96957964 stable

MIR6748 /// TMEM179B 0.012841181 10.40880999 0.207634985 0.836603485 0.954600115 -6.969583923 stable

OLFM4 -0.138232204 5.677831308 -0.207614358 0.836619479 0.954600115 -6.969588275 stable

DCLK3 -0.001673574 3.301204594 -0.207437607 0.836756538 0.954674451 -6.96962555 stable

SCN9A -0.009628654 3.497819702 -0.207348964 0.836825277 0.954674451 -6.969644232 stable

GLG1 0.008072229 10.54477032 0.207267098 0.836888761 0.954674451 -6.969661478 stable

RP4-798A10.7 -0.001381634 2.863045843 -0.207260155 0.836894146 0.954674451 -6.969662941 stable

SIRPD 0.026929433 6.473639186 0.207247264 0.836904143 0.954674451 -6.969665656 stable

SPATA16 0.001439804 2.734736432 0.207216297 0.836928157 0.954674451 -6.969672177 stable

LOC101927211 0.001679966 2.948398714 0.207013103 0.837085734 0.954769008 -6.969714944 stable

FBXO25 -0.015070707 8.949735502 -0.207004719 0.837092236 0.954769008 -6.969716708 stable

ALDH3A2 -0.013009693 9.622336056 -0.206884789 0.837185245 0.954828791 -6.969741929 stable

NLRP12 -0.038843521 8.736825081 -0.206769101 0.837274967 0.954884819 -6.969766245 stable

GUCA1C 0.000497731 2.647978865 0.20667929 0.837344621 0.954888535 -6.969785112 stable

MIR3185 /// PRAC2 0.002777029 2.625003461 0.206660208 0.83735942 0.954888535 -6.96978912 stable

KCNT1 0.00089925 2.094868454 0.206421033 0.837544924 0.955049751 -6.96983932 stable

RP5-890E16.2 0.000647171 2.574483239 0.206373228 0.837582002 0.955049751 -6.969849347 stable

C8orf49 -0.000958215 2.568604749 -0.206121867 0.837776969 0.955225755 -6.969902031 stable

PLXDC1 -0.053127648 6.780551793 -0.205984339 0.837883646 0.955276972 -6.969930829 stable

LOC339666 -0.002769088 2.959686899 -0.205940524 0.837917633 0.955276972 -6.96994 stable

FAM73A -0.016777709 7.898009827 -0.2058895 0.837957212 0.955276972 -6.969950677 stable

TPI1 -0.01295306 12.20412441 -0.205854523 0.837984344 0.955276972 -6.969957994 stable

BC042366 0.001972474 3.174445044 0.205743922 0.838070139 0.955328474 -6.969981125 stable

SERPINA6 -0.000274775 2.039050276 -0.205603879 0.838178776 0.955393572 -6.970010396 stable

LRIG3 -0.003143377 3.644384741 -0.205488143 0.838268559 0.955393572 -6.970034571 stable

USP11 0.01553847 10.23032084 0.2054649 0.838286591 0.955393572 -6.970039425 stable

PAX8-AS1 -0.145294329 8.134944346 -0.205401227 0.838335986 0.955393572 -6.970052718 stable

TMTC2 0.035847497 5.715741992 0.205365825 0.838363451 0.955393572 -6.970060107 stable

PTX3 0.045929287 7.192320827 0.205356146 0.838370959 0.955393572 -6.970062127 stable

LXN -0.024790154 8.559267223 -0.205099321 0.838570207 0.955536151 -6.97011569 stable

ADCK3 0.009635419 10.08692088 0.205090148 0.838577324 0.955536151 -6.970117602 stable

LOC284825 0.000454135 2.385441059 0.204988995 0.838655803 0.955545987 -6.970138679 stable

SIRT6 -0.019943529 7.915613633 -0.204974297 0.838667206 0.955545987 -6.970141741 stable

CHRNE 0.00092151 2.725723309 0.204916866 0.838711764 0.955550468 -6.970153702 stable

GUF1 0.017674714 7.599924265 0.204703064 0.838877649 0.955680431 -6.970198202 stable

INSL3 -0.012526892 4.463550589 -0.204660537 0.838910645 0.955680431 -6.970207048 stable

ADAMTSL1 0.0004641 2.45088954 0.204612743 0.838947729 0.955680431 -6.970216987 stable

MT1F -0.016461965 9.148235421 -0.204532958 0.839009635 0.955704665 -6.970233574 stable

0.037404724 6.107071023 0.204227476 0.839246674 0.955928378 -6.970297023 stable

ABL2 0.002845455 2.072561282 0.20405005 0.839384355 0.956038904 -6.970333831 stable

ERVH-3 -0.00027549 2.09128155 -0.203937052 0.839472042 0.95609248 -6.970357257 stable

RPL18P10 /// RPL18P10 0.011239736 6.338206312 0.203838325 0.839548657 0.956111211 -6.970377713 stable

RP11-663N22.1 0.00213707 3.582703522 0.203699265 0.839656574 0.956111211 -6.97040651 stable

LOC283585 0.000481845 2.407919596 0.203695055 0.839659841 0.956111211 -6.970407381 stable

PPFIBP1 0.000328756 2.149572531 0.203684948 0.839667685 0.956111211 -6.970409473 stable

PRDX4 0.02025604 9.87560406 0.203558867 0.839765533 0.956111211 -6.970435563 stable

SEC63 -0.007613541 9.565251405 -0.203553941 0.839769356 0.956111211 -6.970436582 stable

MAGEF1 0.018702195 7.531830274 0.203549203 0.839773033 0.956111211 -6.970437563 stable

TANGO2 0.011864688 9.275018763 0.203337961 0.839936978 0.956231637 -6.970481237 stable

POTEKP -0.012143743 8.371167725 -0.20326603 0.839992806 0.956231637 -6.970496099 stable

LOC100506655 -0.002078006 2.92854723 -0.203232971 0.840018463 0.956231637 -6.970502927 stable

RP11-493L12.3 -0.014585535 2.706005879 -0.203203389 0.840041423 0.956231637 -6.970509036 stable

SLCO4A1-AS1 0.006487724 2.323718819 0.203108832 0.840114813 0.956260024 -6.970528558 stable

C20orf24 /// TGIF2-C20orf24 -0.014148551 12.53544506 -0.202870007 0.840300183 0.956260024 -6.970577826 stable

GSTM4 -0.078811627 6.537026353 -0.202809575 0.840347091 0.956260024 -6.970590283 stable

POLR2B 0.016049996 5.096434385 0.202772071 0.840376201 0.956260024 -6.970598012 stable

SLC25A21-AS1 -0.001660034 3.594188427 -0.202750483 0.840392958 0.956260024 -6.970602461 stable

HNRNPA1P37 /// HNRNPA1P37 0.006988648 4.350137292 0.202747121 0.840395568 0.956260024 -6.970603153 stable

CXCL13 0.000669317 2.691073717 0.202733746 0.840405949 0.956260024 -6.970605909 stable

RPL13AP17 -0.001611519 2.741724047 -0.202726533 0.840411548 0.956260024 -6.970607395 stable

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CDK11A /// CDK11B -0.01052979 9.781835731 -0.202647473 0.840472916 0.956260024 -6.97062368 stable

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EPS8 0.052884089 6.076007904 0.202497128 0.84058962 0.956300288 -6.970654631 stable

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SYT5 0.000843136 2.449854994 0.202283644 0.840755342 0.956327377 -6.970698541 stable

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MIR6778 /// SHMT1 -0.016279489 6.366559957 -0.20204322 0.840941985 0.956327377 -6.970747937 stable

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TMEM155 0.001466757 3.466152963 0.201964775 0.841002884 0.956327377 -6.970764041 stable

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S100G 0.000357675 2.396113078 0.201842566 0.841097761 0.956327377 -6.970789117 stable

HSPA12A 0.002431813 3.114223224 0.201841889 0.841098286 0.956327377 -6.970789256 stable

SERTM1 -0.0007061 2.446654292 -0.201837965 0.841101333 0.956327377 -6.970790061 stable

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NEK5 0.001522262 3.347662219 0.201518204 0.84134959 0.95637849 -6.970855599 stable

ASGR1 0.055464724 7.773857885 0.201369783 0.841464828 0.956437203 -6.970885985 stable

ARF5 -0.013847914 10.57703378 -0.201346935 0.841482568 0.956437203 -6.97089066 stable

TOLLIP -0.019899404 8.975841795 -0.201180079 0.841612124 0.95646121 -6.970924789 stable

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OR5AK4P 0.004923648 3.877341678 0.200858546 0.841861791 0.95646121 -6.970990475 stable

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SDHB -0.013753067 10.82448288 -0.200637864 0.842033158 0.95646121 -6.971035498 stable

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GNPDA2 0.017265709 8.240338573 0.199271683 0.843094217 0.95646121 -6.971313124 stable

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MYH13 -0.000858411 2.902825148 -0.19348392 0.847592604 0.957781678 -6.972468273 stable

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AP1AR 0.015825895 7.01824681 0.190431209 0.849967334 0.95860157 -6.973063861 stable

FAM215A -0.005274978 2.821236638 -0.190352004 0.850028966 0.95860157 -6.973079188 stable

SASS6 0.00592415 5.922455055 0.190350823 0.850029886 0.95860157 -6.973079416 stable

RP11-329B9.3 -0.001748423 3.024690785 -0.19021118 0.850138551 0.958650564 -6.973106423 stable

FSTL3 0.009098758 3.242217863 0.190190241 0.850154845 0.958650564 -6.973110471 stable

LOC101929718 -0.003804272 3.090659473 -0.18996304 0.850331652 0.958794903 -6.973154365 stable

OR12D3 /// OR5V1 -0.00031622 2.27959043 -0.189917692 0.850366942 0.958794903 -6.973163119 stable

G3BP1 -0.02957123 7.109819205 -0.189868611 0.850405139 0.958794903 -6.973172592 stable

RP11-102L12.2 -0.024022475 3.934391345 -0.189541808 0.850659473 0.958961351 -6.973235605 stable

FAM228A 0.008117428 2.846643072 0.189417721 0.850756048 0.958961351 -6.973259503 stable

HSP90B1 /// MIR3652 0.01221143 12.49532802 0.189370274 0.850792976 0.958961351 -6.973268636 stable

LEPREL1 0.023950691 2.400150369 0.189279672 0.850863492 0.958961351 -6.973286071 stable

NPBWR2 -0.000280044 2.099240616 -0.189272613 0.850868987 0.958961351 -6.973287429 stable

ADM2 0.003709422 4.898256411 0.189271878 0.850869559 0.958961351 -6.97328757 stable

ALDH1L1 0.004283048 3.821931289 0.189226716 0.850904709 0.958961351 -6.973296257 stable

RAG2 -0.002615779 3.527652226 -0.189213163 0.850915258 0.958961351 -6.973298864 stable

YIPF1 0.012641798 9.472705478 0.189207451 0.850919704 0.958961351 -6.973299963 stable

TMEM209 0.008519055 5.037661562 0.189039803 0.85105019 0.958993053 -6.973332189 stable

ACKR1 0.000325483 2.255114182 0.189011849 0.851071949 0.958993053 -6.97333756 stable

CH25H -0.000555042 2.522026796 -0.188972503 0.851102574 0.958993053 -6.973345118 stable

C1orf86 -0.008519505 3.08290942 -0.188961779 0.851110921 0.958993053 -6.973347177 stable

LRRC23 /// RPL13P5 0.021428318 5.900025531 0.188630175 0.851369038 0.959201003 -6.97341081 stable

LOC101928002 -0.001357175 3.268697818 -0.188619896 0.851377039 0.959201003 -6.973412781 stable

HDHD1 0.019553811 10.20921544 0.188408923 0.851541267 0.9593314 -6.973453205 stable

ICAM3 0.010615082 12.60278159 0.18834526 0.851590826 0.9593314 -6.973465394 stable

C5orf47 0.006161562 2.849237511 0.188260124 0.851657102 0.9593314 -6.973481689 stable

BICD2 0.016494076 5.986368987 0.188225185 0.8516843 0.9593314 -6.973488374 stable

RFPL1S -0.004776522 2.968747601 -0.188089394 0.851790012 0.9593314 -6.973514343 stable

PHF12 0.010199091 8.972534458 0.18805002 0.851820664 0.9593314 -6.97352187 stable

AGAP2-AS1 -0.000305389 1.996499022 -0.187924899 0.851918072 0.9593314 -6.973545777 stable

FTL -0.006481425 15.19082999 -0.18789334 0.851942642 0.9593314 -6.973551805 stable

LINC00608 -0.000658847 2.472214086 -0.18788113 0.851952147 0.9593314 -6.973554137 stable

LOC101928200 -0.000280888 1.620576344 -0.187857172 0.851970799 0.9593314 -6.973558711 stable

CTA-331P3.1 -0.001251813 3.12434223 -0.187853439 0.851973705 0.9593314 -6.973559424 stable

RP11-465B22.8 0.000675877 2.054253351 0.187842512 0.851982212 0.9593314 -6.97356151 stable

LINC00656 0.000385802 2.123604669 0.18768528 0.852104624 0.959374606 -6.973591518 stable

HRH3 0.00033623 1.823483077 0.187656039 0.852127391 0.959374606 -6.973597096 stable

LOC101929078 0.001006438 2.836024024 0.187509255 0.852241672 0.959374606 -6.973625082 stable

LOC101060091 0.02107465 4.374417801 0.187454687 0.852284158 0.959374606 -6.97363548 stable

LINC00917 0.000432674 2.438191607 0.187452082 0.852286186 0.959374606 -6.973635977 stable

SYNRG 0.021659265 8.522677113 0.187438593 0.852296689 0.959374606 -6.973638547 stable

S100A9 0.024936241 15.00907868 0.187426506 0.8523061 0.959374606 -6.973640849 stable

SEZ6L 0.000557425 2.3206525 0.187186103 0.85249328 0.959491341 -6.973686618 stable

STXBP5 -0.012820691 7.370274749 -0.18718093 0.852497308 0.959491341 -6.973687602 stable

ZNF497 0.000256546 2.046709828 0.187136137 0.852532186 0.959491341 -6.973696123 stable

LOC101928571 -0.003470514 3.652677058 -0.187008473 0.852631591 0.959553898 -6.973720398 stable

ZNF783 0.014626623 8.214334061 0.186959967 0.85266936 0.959553898 -6.973729617 stable

TUBB8P2 /// TUBB8P2 0.000350847 2.440696888 0.186875774 0.852734919 0.959581764 -6.973745612 stable

C20orf187 /// C20orf187 -0.001147502 2.439867547 -0.186759755 0.852825262 0.959637515 -6.973767643 stable

SMAD1 -0.037553281 7.657603031 -0.186636244 0.85292144 0.959699827 -6.973791081 stable

NLRP1 0.000229217 1.372337531 0.186520907 0.853011255 0.959700379 -6.973812954 stable

GPR19 0.010536223 2.298714749 0.186401612 0.853104155 0.959700379 -6.973835563 stable

DRICH1 0.001286219 2.723120369 0.186392979 0.853110878 0.959700379 -6.973837199 stable

RRP8 0.003330843 3.727993601 0.18637593 0.853124154 0.959700379 -6.973840429 stable

EEF1A1P42 0.003856617 5.370606812 0.186373638 0.853125939 0.959700379 -6.973840863 stable

ERCC1 -0.017293544 8.672635444 -0.186288869 0.853191954 0.95972874 -6.973856918 stable

TRIM50 0.000375359 2.090083055 0.186179986 0.853276749 0.959778223 -6.973877529 stable

AGAP2 -0.018914536 6.018498049 -0.186075723 0.853357948 0.959823656 -6.973897254 stable

PTPN6 -0.007178898 13.01173581 -0.185973888 0.853437257 0.959851736 -6.973916509 stable

IL4I1 -0.024268807 2.767878811 -0.185938869 0.85346453 0.959851736 -6.973923128 stable

SFTPC 0.000281427 2.178402951 0.185748739 0.853612609 0.959863467 -6.973959043 stable

LOC100507065 -0.000250675 2.188042763 -0.185741314 0.853618392 0.959863467 -6.973960445 stable

RPS6KA6 -0.000795944 2.796756458 -0.185711337 0.85364174 0.959863467 -6.973966104 stable

RP11-445L13\_\_B.3 -0.001079624 3.117114587 -0.18561477 0.853716952 0.959863467 -6.973984328 stable

FAM129B -0.031949924 8.530976006 -0.185609009 0.853721439 0.959863467 -6.973985415 stable

NDUFA11 0.010898297 10.7666495 0.185589208 0.853736861 0.959863467 -6.97398915 stable

SHANK2-AS2 /// SHANK2-AS2 0.001377174 2.831882931 0.185514538 0.85379502 0.959863467 -6.974003233 stable

YTHDF3-AS1 -0.011060727 3.327500294 -0.185473429 0.853827039 0.959863467 -6.974010984 stable

BC041947 /// RP4-630C24.3 -0.000475893 2.470271997 -0.185453912 0.85384224 0.959863467 -6.974014663 stable

mir-223 0.035402388 9.523845334 0.185206384 0.854035041 0.959989311 -6.974061292 stable

PIP4K2B -0.006704711 4.317527248 -0.185205394 0.854035812 0.959989311 -6.974061478 stable

NCAPG2 0.053360449 7.054816886 0.185144462 0.854083274 0.959996783 -6.974072947 stable

NDUFB5 0.009572933 11.65325796 0.184864153 0.854301622 0.960054075 -6.974125658 stable

LOC441601 -0.000844569 2.910738287 -0.184859995 0.854304861 0.960054075 -6.974126439 stable

SIGLEC16 0.059525078 4.454978225 0.184823143 0.854333568 0.960054075 -6.974133363 stable

ABCA5 0.029458045 8.519294643 0.184823018 0.854333665 0.960054075 -6.974133387 stable

RC3H2 0.014415661 7.19317895 0.184799679 0.854351846 0.960054075 -6.974137771 stable

SMARCC1 -0.010813496 8.384665746 -0.184707081 0.854423979 0.960054075 -6.97415516 stable

LAT -0.019155074 10.33717224 -0.184700565 0.854429055 0.960054075 -6.974156383 stable

MPZL3 0.000808893 2.945561336 0.184611404 0.854498512 0.960054075 -6.974173118 stable

TEKT5 -0.000493843 2.503516664 -0.184535809 0.854557402 0.960054075 -6.974187301 stable

CCDC50 0.024828836 10.00495461 0.184429893 0.854639914 0.960054075 -6.974207162 stable

OR10A4 -0.000239853 1.971911797 -0.184429639 0.854640111 0.960054075 -6.974207209 stable

CDH24 -0.000533362 2.35799667 -0.1843691 0.854687274 0.960054075 -6.974218556 stable

TEX41 -0.000501378 2.634516705 -0.184273655 0.854761631 0.960054075 -6.974236439 stable

TMEM108 -0.000724189 2.357135564 -0.184217642 0.854805269 0.960054075 -6.974246928 stable

DVL1 -0.009499856 9.456972691 -0.184212537 0.854809246 0.960054075 -6.974247884 stable

LOC101928989 0.000412044 2.282711497 0.184132074 0.854871933 0.960054075 -6.974262947 stable

SCRT1 -0.00039628 2.375077502 -0.184118611 0.854882422 0.960054075 -6.974265467 stable

SUN1 0.033094569 5.621999717 0.184082621 0.854910461 0.960054075 -6.974272202 stable

KLLN -0.00032847 2.236785364 -0.184000457 0.854974475 0.960054075 -6.974287572 stable

LOC101928635 0.005971513 2.623748877 0.183979387 0.854990891 0.960054075 -6.974291513 stable

RP11-326I11.5 -0.010227846 3.100476005 -0.183978733 0.8549914 0.960054075 -6.974291635 stable

LOC101927228 -0.000288963 2.255001669 -0.183861695 0.855082586 0.960110631 -6.974313515 stable

RAVER2 0.000410541 2.369536691 0.183716544 0.855195678 0.960165239 -6.974340631 stable

RP11-791M20.1 0.000510581 2.523953267 0.183694487 0.855212863 0.960165239 -6.97434475 stable

LOC101929842 /// PGA3 /// PGA4 /// PGA5 -0.05440255 4.043556109 -0.183558939 0.855318477 0.960237979 -6.97437005 stable

LOC389895 0.000607068 2.639566262 0.18341907 0.855427459 0.960314494 -6.974396136 stable

SIRPB1 -0.035534032 9.805741333 -0.183354646 0.855477658 0.960325013 -6.974408145 stable

TNFRSF25 -0.020296042 6.768258059 -0.183013855 0.85574321 0.960467265 -6.974471601 stable

RP11-567I13.1 0.003102056 2.329419627 0.182952177 0.855791272 0.960467265 -6.974483073 stable

USP39 0.007815757 9.253330498 0.182919632 0.855816634 0.960467265 -6.974489124 stable

CADM1 -0.024309239 6.032347971 -0.182660929 0.856018235 0.960467265 -6.974537191 stable

LOC101927268 /// LOC102724851 0.058653841 4.779614365 0.182652296 0.856024963 0.960467265 -6.974538794 stable

HOXD-AS2 0.000240126 1.914690117 0.182602115 0.856064069 0.960467265 -6.97454811 stable

LOC101927027 -0.011562668 8.254586844 -0.182570948 0.856088358 0.960467265 -6.974553894 stable

SOX9 -0.00104253 2.197420891 -0.182567995 0.856090659 0.960467265 -6.974554442 stable

HS3ST2 -0.000863197 2.550772544 -0.182517123 0.856130305 0.960467265 -6.974563881 stable

MPC2 0.007345846 10.29419488 0.182498743 0.856144629 0.960467265 -6.974567291 stable

CPA2 -0.005179079 2.64116236 -0.182448975 0.856183414 0.960467265 -6.974576522 stable

LOC102725454 0.00640046 3.219480194 0.182417063 0.856208284 0.960467265 -6.97458244 stable

SNRPD2 -0.011856528 13.85727854 -0.182377217 0.856239338 0.960467265 -6.974589827 stable

RP4-575N6.5 -0.01927458 7.034748159 -0.18237077 0.856244362 0.960467265 -6.974591022 stable

WDR4 0.021945374 5.510792677 0.182329459 0.856276558 0.960467265 -6.974598679 stable

LOC101927620 0.011888709 2.453203984 0.182314907 0.856287899 0.960467265 -6.974601376 stable

PSMD6 0.024099597 4.070807385 0.182296961 0.856301885 0.960467265 -6.974604702 stable

NFASC 0.000581955 2.422796973 0.182217359 0.856363923 0.960467265 -6.974619449 stable

SLC22A15 0.039059282 8.159829639 0.182176421 0.856395829 0.960467265 -6.974627031 stable

BCHE 0.000468012 2.888712631 0.182144037 0.856421068 0.960467265 -6.974633027 stable

C15orf41 0.009091771 4.94695771 0.181898475 0.856612457 0.960636102 -6.974678461 stable

CRYBB2 /// CRYBB2P1 0.022782576 7.105270878 0.18183805 0.856659553 0.960643115 -6.974689631 stable

CFB 0.000872278 2.841073263 0.181740791 0.856735359 0.960660785 -6.974707603 stable

CUTA 0.009859876 11.54249537 0.181713032 0.856756995 0.960660785 -6.974712731 stable

PROX1 0.000419754 2.412384917 0.181526371 0.856902488 0.960778121 -6.974747191 stable

C9orf64 -0.022618971 9.856765964 -0.181411299 0.856992183 0.96082185 -6.974768417 stable

CRIP2 -0.043264993 5.70436036 -0.181371523 0.857023189 0.96082185 -6.974775751 stable

LOC101928173 -0.000268156 2.142690915 -0.181276091 0.857097577 0.960859449 -6.97479334 stable

LDLRAD3 0.039252932 6.817157527 0.181043658 0.857278762 0.960974517 -6.974836142 stable

VTI1A 0.026390047 5.389539072 0.181022932 0.857294919 0.960974517 -6.974839956 stable

RPLP2 -0.0078408 6.748964222 -0.180987184 0.857322786 0.960974517 -6.974846533 stable

ZNF362 -0.008933046 5.944443236 -0.18085753 0.857423858 0.961023528 -6.974870377 stable

AK8 0.001927475 4.087765152 0.18082627 0.857448227 0.961023528 -6.974876123 stable

AKR7A2 0.012036338 9.511655886 0.180742386 0.857513621 0.961049633 -6.974891538 stable

GRHPR -0.026846456 9.020103329 -0.180683245 0.857559726 0.961049633 -6.974902402 stable

AGO3 -0.016544949 8.282297863 -0.180639157 0.857594096 0.961049633 -6.974910498 stable

MRRF -0.01427759 7.347617717 -0.180387664 0.857790163 0.961223555 -6.974956645 stable

CDK16 -0.016497039 6.910222594 -0.180115557 0.85800231 0.961344345 -6.975006501 stable

LINC00907 0.002242497 2.449002044 0.180094353 0.858018843 0.961344345 -6.975010383 stable

SPATA31C2 -0.00321877 3.23405978 -0.180067077 0.858040109 0.961344345 -6.975015376 stable

FIGF /// PIR-FIGF 0.000242439 2.098492723 0.180039715 0.858061442 0.961344345 -6.975020384 stable

BC034319 /// RP11-11N9.4 -0.026051312 5.546132333 -0.179815278 0.858236435 0.961439319 -6.975061432 stable

COLEC12 0.007802018 2.745126069 0.179802715 0.85824623 0.961439319 -6.975063729 stable

FOXRED2 -0.027576396 3.068426405 -0.179773717 0.85826884 0.961439319 -6.975069028 stable

CD302 /// LY75 /// LY75-CD302 -0.024491559 12.44841014 -0.179651542 0.858364103 0.961472917 -6.975091347 stable

IYD 0.002210568 3.480250445 0.179618574 0.858389809 0.961472917 -6.975097367 stable

AP4M1 0.015477912 6.83589773 0.179577978 0.858421464 0.961472917 -6.975104778 stable

CTD-3126B10.1 0.004347716 2.779753549 0.179327397 0.858616857 0.961569014 -6.975150487 stable

CYP27A1 -0.0373911 8.504081743 -0.179290883 0.858645331 0.961569014 -6.975157143 stable

ZBTB26 0.020607322 6.004483791 0.179275552 0.858657285 0.961569014 -6.975159936 stable

SNAPC5 -0.0112613 8.525758503 -0.179182769 0.858729637 0.961569014 -6.97517684 stable

LOC780529 -0.00163243 2.337187695 -0.179180479 0.858731423 0.961569014 -6.975177257 stable

RNF2 0.007784612 7.314169987 0.179136833 0.858765458 0.961569014 -6.975185206 stable

BC042825 /// RP1-179N16.6 -0.007940342 3.934920348 -0.179040386 0.858840669 0.961569014 -6.975202764 stable

GABRA4 0.000972501 2.287491602 0.178938438 0.858920171 0.961569014 -6.975221312 stable

MGAT5B -0.000237802 1.984093447 -0.178928294 0.858928082 0.961569014 -6.975223157 stable

ASB14 0.000551412 2.678745746 0.178922292 0.858932762 0.961569014 -6.975224249 stable

SPTAN1 0.016106708 11.08489689 0.178891269 0.858956955 0.961569014 -6.975229891 stable

CAAP1 0.007610574 9.484581427 0.178822107 0.859010891 0.961583627 -6.975242465 stable

GUCY2D 0.000261621 2.111736755 0.178732732 0.859080591 0.961615884 -6.975258707 stable

FAU -0.005652693 14.37894843 -0.178467311 0.859287588 0.961714108 -6.975306894 stable

GK2 0.000490678 2.543870622 0.178454476 0.859297599 0.961714108 -6.975309222 stable

SCG5 -0.000394962 2.389121373 -0.178445959 0.859304242 0.961714108 -6.975310767 stable

IBSP -0.008207835 4.67265485 -0.178410506 0.859331891 0.961714108 -6.975317197 stable

LOC101929372 -0.001236912 3.247288992 -0.178114848 0.859562484 0.961854976 -6.975370772 stable

ZSCAN1 0.000312539 2.15938789 0.178007383 0.859646303 0.961854976 -6.975390224 stable

RP11-792A8.4 0.00985313 5.401008167 0.178003917 0.859649006 0.961854976 -6.975390851 stable

LOC101929529 -0.001157097 3.330098015 -0.177992033 0.859658276 0.961854976 -6.975393001 stable

CFC1B -0.00037172 2.346882282 -0.177986963 0.85966223 0.961854976 -6.975393918 stable

FKBP15 -0.043666679 5.250543448 -0.177807659 0.859802085 0.961944091 -6.975426343 stable

SAT1 -0.013670714 13.44986676 -0.177759474 0.859839669 0.961944091 -6.975435051 stable

KBTBD8 0.019530693 8.28501353 0.177683001 0.859899318 0.961944091 -6.975448866 stable

GALNT9 -0.003542129 3.373345091 -0.17767512 0.859905466 0.961944091 -6.97545029 stable

RP4-539M6.14 -0.001177382 3.099979518 -0.177486944 0.860052248 0.962040025 -6.975484258 stable

E2F2 -0.010097817 3.485181576 -0.177460308 0.860073026 0.962040025 -6.975489063 stable

RCL1 -0.010639814 7.494652092 -0.177396851 0.860122525 0.962049642 -6.975500508 stable

PNMAL2 0.00024099 2.033207878 0.177300685 0.860197541 0.96207848 -6.975517845 stable

LOC102724788 /// PRODH -0.006527846 2.853653811 -0.177090648 0.860361388 0.96207848 -6.975555678 stable

SLMO2 0.01423608 9.665004496 0.177064654 0.860381666 0.96207848 -6.975560356 stable

LINC01018 0.000324462 2.45240964 0.177055069 0.860389143 0.96207848 -6.975562082 stable

EPT1 0.016120599 6.578559423 0.17703419 0.860405431 0.96207848 -6.975565839 stable

RP11-432M24.4 -0.012527385 6.790842317 -0.176965901 0.860458704 0.96207848 -6.975578126 stable

CHURC1-FNTB /// FNTB 0.052435362 6.892778509 0.176797961 0.860589719 0.96207848 -6.975608323 stable

PCBP1-AS1 -0.001484754 2.955839612 -0.176795767 0.86059143 0.96207848 -6.975608717 stable

AKAP8 -0.006072045 9.164294043 -0.176768061 0.860613045 0.96207848 -6.975613696 stable

SRP68 -0.006681345 10.4464989 -0.176716994 0.860652885 0.96207848 -6.975622871 stable

STAG2 0.0047016 11.65438569 0.176704801 0.860662397 0.96207848 -6.975625061 stable

S100A1 0.000843102 2.837617422 0.176700523 0.860665735 0.96207848 -6.975625829 stable

PCSK7 -0.011349011 10.43808347 -0.1766447 0.860709285 0.96207848 -6.975635855 stable

KITLG 0.001073145 2.742590332 0.17662975 0.860720949 0.96207848 -6.975638539 stable

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NUP214 -0.018913495 9.887086845 -0.176328801 0.860955745 0.962191084 -6.975692528 stable

APITD1 /// APITD1-CORT 0.017569109 5.135999593 0.176167 0.861081985 0.962191084 -6.975721517 stable

GIP 0.000930671 2.866807893 0.176149398 0.861095719 0.962191084 -6.975724668 stable

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LGALS2 -0.059367674 10.85026438 -0.176075999 0.861152987 0.962191084 -6.975737809 stable

LOC101927126 -0.000848358 2.963051227 -0.176057002 0.861167809 0.962191084 -6.975741209 stable

POT1 -0.008630489 8.494298214 -0.176032541 0.861186895 0.962191084 -6.975745586 stable

G6PC3 -0.028307883 7.353661139 -0.176028741 0.86118986 0.962191084 -6.975746266 stable

BEGAIN -0.021355143 3.886564616 -0.17588887 0.861298996 0.96226731 -6.975771284 stable

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YTHDF1 0.006149957 10.96049757 0.175717526 0.861432692 0.962279557 -6.975801905 stable

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ZNF503 0.045571004 6.254779725 0.175163217 0.861865237 0.962667247 -6.975900762 stable

TAF4 0.01529467 5.666614427 0.174973705 0.862013129 0.962667247 -6.975934488 stable

MACROD1 0.004193162 3.061118648 0.174951133 0.862030744 0.962667247 -6.975938503 stable

PPAPDC1A 0.000814335 2.755422096 0.174942033 0.862037846 0.962667247 -6.975940121 stable

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TNFRSF10D 0.005748776 3.111700807 0.174865656 0.862097451 0.962667247 -6.975953701 stable

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TMEM25 0.014856771 3.808610463 0.174064802 0.862722492 0.962808493 -6.976095734 stable

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NCOR2 0.008886522 11.18690994 0.173899827 0.862851261 0.96285817 -6.976124911 stable

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FLG 0.002296607 3.361949184 0.173769859 0.862952709 0.962880012 -6.976147878 stable

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HLA-DRB6 0.000314232 2.266531052 0.17263484 0.863838754 0.963079179 -6.976347721 stable

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VAMP3 0.013700919 11.88106414 0.17216262 0.864207442 0.963088568 -6.97643048 stable

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KRT25 -0.00095003 3.465497037 -0.171911934 0.864403179 0.963088568 -6.976474322 stable

TXNL4A 0.019694087 6.600383715 0.171788889 0.864499256 0.963088568 -6.976495818 stable

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TYMS -0.046723422 4.864497991 -0.17166057 0.864599454 0.96311834 -6.976518218 stable

RANGRF 0.00953198 9.518227034 0.171566755 0.864672711 0.96315433 -6.976534585 stable

C17orf82 0.001944809 2.592689569 0.171392103 0.864809093 0.963260628 -6.976565031 stable

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PFDN2 0.007615145 10.44420472 0.171201711 0.864957771 0.96331946 -6.976598185 stable

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NUDT7 -0.000258032 2.162970719 -0.1708517 0.86523111 0.963540706 -6.976659038 stable

HTR2A 0.000265037 2.171644315 0.170807831 0.865265371 0.963540706 -6.976666657 stable

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PGBD4 0.003811815 2.860263847 0.170604291 0.865424333 0.963626479 -6.976701978 stable

LTBP3 -0.023354247 10.23853992 -0.170496628 0.865508419 0.963674486 -6.976720645 stable

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DND1 -0.02256698 7.317874665 -0.170371456 0.865606181 0.9636921 -6.976742332 stable

ZFR 0.006260971 9.659656635 0.170261933 0.865691723 0.963741718 -6.976761295 stable

MBD3L2 0.00026839 2.065017204 0.170206242 0.86573522 0.963744527 -6.976770933 stable

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ELK3 -0.017189767 6.878539245 -0.169757653 0.866085607 0.963784128 -6.97684845 stable

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FMR1NB -0.001520143 3.426614354 -0.169593929 0.866213496 0.963820789 -6.97687669 stable

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LOC102723954 -0.003525556 3.358207284 -0.169460945 0.866317377 0.963830105 -6.976899609 stable

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TXNDC12 -0.007459549 11.90405119 -0.169365882 0.866391637 0.963836621 -6.976915981 stable

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SNHG3 /// SNORA73A 0.021158348 6.01294466 0.1689988 0.866678399 0.963973265 -6.976979115 stable

HOMER3 0.037302365 7.793408651 0.168925644 0.866735551 0.963991247 -6.976991681 stable

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HCG4 -0.011090081 2.802766998 -0.168376168 0.867164838 0.964237577 -6.977085889 stable

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ATP6V0E2 -0.020175351 9.991098721 -0.167169035 0.868108073 0.964491343 -6.977291776 stable

UBL7-AS1 0.013033066 6.532235638 0.167143274 0.868128205 0.964491343 -6.977296154 stable

CAPZB 0.00478455 11.83881774 0.167130547 0.86813815 0.964491343 -6.977298316 stable

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TRAC -0.019078752 12.90189219 -0.164400323 0.870272238 0.965437353 -6.977758417 stable

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FAM118A -0.080131386 8.361309329 -0.16434269 0.870317298 0.965437353 -6.977768048 stable

LOC101927579 /// LOC101928042 -0.017810012 4.87409817 -0.164339811 0.870319549 0.965437353 -6.977768529 stable

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SHANK1 0.000386827 2.394653619 0.164260582 0.870381493 0.965444146 -6.977781762 stable

PODXL2 -0.002892177 2.746909907 -0.164206965 0.870423414 0.965445116 -6.977790715 stable

CXorf67 -0.000293847 2.358005788 -0.164138684 0.870476801 0.965458803 -6.977802111 stable

METTL17 0.003082869 2.817923245 0.163907337 0.870657687 0.965613894 -6.977840689 stable

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INADL -0.012023359 6.25717619 -0.151034452 0.880733588 0.968097177 -6.979901635 stable

ZHX3 -0.002691703 4.863599171 -0.150986601 0.88077108 0.968097177 -6.979908982 stable

CYTH3 0.006937124 3.533288775 0.150981129 0.880775368 0.968097177 -6.979909822 stable

ZNF506 -0.040671405 4.389446751 -0.150950625 0.880799268 0.968097177 -6.979914504 stable

LOC101929668 0.02333327 8.164361873 0.150791293 0.880924112 0.968145722 -6.979938945 stable

TMPRSS15 0.00072941 2.844693955 0.150756062 0.880951717 0.968145722 -6.979944346 stable

RPL35A 0.004585144 15.03367478 0.150736662 0.880966918 0.968145722 -6.979947319 stable

RANBP2 0.010638888 11.20222729 0.15061149 0.881065 0.968208273 -6.979966496 stable

MED15 0.007688872 11.23846142 0.150522965 0.881134366 0.968239263 -6.979980048 stable

BCL9L -0.015131198 9.282400348 -0.150432099 0.881205568 0.968272268 -6.97999395 stable

GABRA1 0.000263772 2.486468321 0.150158592 0.881419892 0.968361311 -6.980035746 stable

TRIB1 -0.032935832 9.979910142 -0.15013925 0.881435049 0.968361311 -6.980038699 stable

C1orf94 0.00286919 5.366762823 0.150071013 0.881488522 0.968361311 -6.980049113 stable

CACNB1 -0.003678814 2.631345512 -0.1499835 0.881557101 0.968361311 -6.980062462 stable

ZNF592 0.008335606 8.930462952 0.149744112 0.881744702 0.968361311 -6.980098939 stable

GKAP1 0.000552504 2.51450482 0.149728614 0.881756848 0.968361311 -6.980101299 stable

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LOC101929761 -0.008669265 3.813679025 -0.149674122 0.881799552 0.968361311 -6.980109593 stable

GALNT13 0.001536689 2.688900392 0.149605682 0.881853188 0.968361311 -6.980120006 stable

VCAN -0.022805031 12.3663676 -0.149549889 0.881896913 0.968361311 -6.980128491 stable

LRRFIP2 0.012063133 8.882746218 0.149531723 0.88191115 0.968361311 -6.980131253 stable

LRRC75A 0.017476667 5.809142752 0.149529367 0.881912996 0.968361311 -6.980131611 stable

LMX1A 0.000251724 2.142287076 0.149512758 0.881926013 0.968361311 -6.980134136 stable

TMEM159 0.017384405 6.041175787 0.149489434 0.881944292 0.968361311 -6.980137682 stable

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LOC340090 0.001269607 3.273588737 0.149431411 0.881989766 0.968361311 -6.980146499 stable

FAM65C 0.006977328 3.327361932 0.149408341 0.882007846 0.968361311 -6.980150004 stable

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METTL25 0.006335757 8.764304358 0.149291072 0.882099754 0.968361311 -6.980167812 stable

LOC151174 -0.007749952 3.260799618 -0.149226909 0.882150041 0.968361311 -6.980177549 stable

LINC01226 0.003165483 2.489107648 0.149063936 0.882277771 0.968361311 -6.980202263 stable

RP11-180N14.1 0.000374429 2.387087233 0.149043595 0.882293713 0.968361311 -6.980205346 stable

TMEM18 0.010155287 7.50743858 0.149037743 0.8822983 0.968361311 -6.980206233 stable

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GLTP -0.02072046 8.92969474 -0.148912218 0.882396683 0.968361311 -6.980225247 stable

LRTOMT 0.000656581 2.503276814 0.148831803 0.882459712 0.968361311 -6.980237419 stable

USP33 0.007452757 11.44372031 0.148821388 0.882467875 0.968361311 -6.980238995 stable

LOC101927093 0.000213989 2.039771561 0.14881061 0.882476322 0.968361311 -6.980240626 stable

ZC3HC1 0.007617489 8.567544243 0.148805233 0.882480537 0.968361311 -6.980241439 stable

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LOC149373 -0.002576232 2.519886764 -0.148506779 0.882714469 0.968490057 -6.98028655 stable

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CNPY1 0.000499023 2.569305621 0.148445416 0.882762567 0.968490057 -6.980295814 stable

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MUC16 0.000324084 2.296084181 0.148263866 0.882904874 0.968547636 -6.980323199 stable

HLA-DPA1 0.012894363 14.56865443 0.148220863 0.882938583 0.968547636 -6.980329681 stable

KLHL22 0.009315916 8.231894078 0.148078079 0.883050507 0.968558827 -6.980351189 stable

PDHA2 0.001596855 2.393957266 0.148060009 0.883064672 0.968558827 -6.98035391 stable

LINC00703 -0.000233244 2.267196321 -0.147877904 0.883207423 0.968558827 -6.980381307 stable

SQSTM1 0.005587468 10.97821989 0.147866795 0.883216132 0.968558827 -6.980382978 stable

HSD17B2 0.000208173 2.052501734 0.14783989 0.883237222 0.968558827 -6.980387022 stable

ACTN3 -0.000319638 2.392636768 -0.147762301 0.883298046 0.968558827 -6.980398683 stable

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AGPAT3 0.015649619 7.540741859 0.147668154 0.883371849 0.968558827 -6.980412823 stable

LILRB3 0.020815358 11.14550591 0.147638476 0.883395115 0.968558827 -6.980417278 stable

LOC286114 -0.00291756 3.226607132 -0.147530848 0.883479489 0.968558827 -6.980433429 stable

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LOC646736 -0.002196115 3.429267749 -0.147471992 0.883525629 0.968558827 -6.980442256 stable

MRPL43 0.013070778 10.01174641 0.147424631 0.883562758 0.968558827 -6.980449356 stable

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LOC101927560 /// LOC101927587 0.000857196 3.01937114 0.146786434 0.884063102 0.968651801 -6.980544814 stable

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NAA60 -0.007916964 8.993951424 -0.146540325 0.884256063 0.968727846 -6.980581515 stable

LOC285638 0.00132206 2.745222375 0.146430408 0.884342246 0.968743194 -6.980597886 stable

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CPZ /// GPR78 0.001253723 2.820249261 0.146202977 0.884520571 0.968837122 -6.980631722 stable

HAND2-AS1 0.000194807 2.051674262 0.145931445 0.884733484 0.969025205 -6.98067205 stable

UPK1B 0.000227392 1.918223776 0.145761146 0.884867024 0.96912634 -6.980697304 stable

NHLH2 0.000423155 2.519592629 0.145666245 0.884941441 0.969162716 -6.980711365 stable

JOSD2 0.012305392 7.718296687 0.145594265 0.884997886 0.969179405 -6.980722023 stable

KRT36 0.000205278 2.136270515 0.145532264 0.885046506 0.969187526 -6.9807312 stable

GNL3L -0.023898157 9.437142075 -0.145436473 0.885121624 0.969224661 -6.98074537 stable

GPR156 0.000298658 2.175075243 0.145289927 0.885236545 0.969277759 -6.98076703 stable

ATRNL1 -0.002247756 2.789333449 -0.145267045 0.885254489 0.969277759 -6.98077041 stable

LOC100996457 0.000334148 2.410534736 0.145209179 0.885299869 0.969277759 -6.980778956 stable

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LTB4R 0.012490651 9.22170225 0.144958897 0.885496148 0.969382867 -6.980815877 stable

FOXK1 0.011307604 10.00802326 0.144919353 0.885527161 0.969382867 -6.980821705 stable

BNIP3 -0.009569264 8.547605022 -0.14488437 0.885554596 0.969382867 -6.980826859 stable

METTL1 0.022058585 4.525382315 0.144719591 0.885683827 0.969445108 -6.98085112 stable

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CCL15 /// CCL15-CCL14 0.002107209 2.384445636 0.144557451 0.885810991 0.969528167 -6.980874966 stable

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VHL 0.012250634 7.505930796 0.144117799 0.886155819 0.969730698 -6.980939491 stable

TMEM72 0.007148107 4.517107396 0.144096938 0.886172181 0.969730698 -6.980942547 stable

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SH3BP1 0.012495547 8.872295798 0.143463126 0.886669334 0.969917 -6.981035208 stable

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DDAH2 0.020838564 7.525421304 0.143376705 0.886737124 0.969917 -6.981047811 stable

ABHD12 0.009294159 8.47516342 0.143324892 0.886777768 0.969917 -6.981055363 stable

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BLOC1S5 /// EEF1E1-BLOC1S5 -0.013429371 7.381148458 -0.143231329 0.886851164 0.969917 -6.981068994 stable

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PTPN13 -0.007343394 5.994681582 -0.141586474 0.888141622 0.970691523 -6.981307175 stable

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USP2 -0.000175814 2.030644008 -0.140761176 0.88878922 0.971035867 -6.981425646 stable

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UBA52 0.002631835 14.99607779 0.136362603 0.892241997 0.972498657 -6.982045386 stable

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LOC101927990 0.000689238 2.742798353 0.136349319 0.892252428 0.972498657 -6.982047228 stable

PDE7A -0.027145679 9.202682077 -0.136347748 0.892253662 0.972498657 -6.982047446 stable

AC009120.6 -0.010019967 7.048561647 -0.136304697 0.892287467 0.972498657 -6.982053414 stable

LINC01350 0.000527049 2.71928734 0.136208551 0.892362964 0.97253022 -6.982066735 stable

LINC00665 0.000951192 2.789282793 0.136162504 0.892399122 0.97253022 -6.982073112 stable

FKBP9 0.029134954 3.311500565 0.13604895 0.89248829 0.972578962 -6.982088828 stable

RP11-38C18.3 0.001398562 3.021872612 0.135929362 0.892582198 0.972578962 -6.982105365 stable

SLC4A1 0.015365474 2.605465883 0.135874416 0.892625345 0.972578962 -6.982112958 stable

SCUBE1 -0.005904954 4.19358253 -0.13586322 0.892634137 0.972578962 -6.982114504 stable

EGFL6 0.000240802 2.480938379 0.13570407 0.892759116 0.972578962 -6.982136479 stable

CYP1B1 0.041743553 7.337330838 0.13564024 0.89280924 0.972578962 -6.982145285 stable

VWA7 0.000249052 2.317170745 0.135617676 0.89282696 0.972578962 -6.982148397 stable

MYL4 -0.043147212 2.646282374 -0.135593742 0.892845756 0.972578962 -6.982151697 stable

LOC101929475 -0.000216829 2.224282702 -0.13558249 0.892854592 0.972578962 -6.982153249 stable

EVA1B -0.013134235 7.431873733 -0.135557633 0.892874112 0.972578962 -6.982156675 stable

AKAP14 0.000566128 2.517549604 0.135509594 0.892911838 0.972578962 -6.982163296 stable

ZNF324B -0.007206821 6.084995063 -0.13541887 0.892983085 0.972578962 -6.982175793 stable

DAPK1-IT1 /// DAPK1-IT1 0.033192481 5.395924692 0.135343083 0.893042603 0.972578962 -6.982186226 stable

LOC101928378 0.001060472 3.048776912 0.135274983 0.893096084 0.972578962 -6.982195596 stable

SPRR1A 0.000175994 2.03989715 0.135243392 0.893120894 0.972578962 -6.982199941 stable

APELA 0.001210095 3.062339779 0.135217527 0.893141207 0.972578962 -6.982203498 stable

LOC728554 /// THOC3 0.014766371 10.19989999 0.135122794 0.893215605 0.972578962 -6.982216519 stable

TCEAL1 -0.007881438 7.693866756 -0.135110676 0.893225123 0.972578962 -6.982218184 stable

MEI1 0.018648138 8.463898851 0.13510512 0.893229486 0.972578962 -6.982218947 stable

POLR2J /// POLR2J2 /// POLR2J3 /// UPK3BL -0.027969157 11.32090788 -0.135042579 0.893278603 0.97258742 -6.982227538 stable

KDM3B -0.005481641 10.56618353 -0.134883389 0.893403627 0.972678518 -6.982249385 stable

LOC101928211 0.001062975 3.002169338 0.134656251 0.89358202 0.972757471 -6.982280513 stable

LINC01120 0.000228278 2.351828373 0.134630793 0.893602015 0.972757471 -6.982283998 stable

LOC100289058 -0.012444996 3.819361619 -0.134583745 0.893638967 0.972757471 -6.982290438 stable

DNAJC3-AS1 0.000180183 2.002671436 0.134580427 0.893641573 0.972757471 -6.982290892 stable

LOC728705 /// TMEM263 -0.001450443 2.958397301 -0.134476916 0.893722873 0.972782643 -6.982305052 stable

TRAM1 -0.003715559 13.08721074 -0.134445671 0.893747413 0.972782643 -6.982309324 stable

TMEM80 0.008998222 2.834999745 0.134157585 0.893973689 0.972941622 -6.982348668 stable

LOC643711 0.000360453 2.682952677 0.134154381 0.893976206 0.972941622 -6.982349105 stable

VASN 0.003945749 3.103919275 0.134042876 0.894063789 0.972991921 -6.98236431 stable

FAM122C 0.011412976 3.789240288 0.133855633 0.894210866 0.973106957 -6.982389814 stable

ANG -0.044712043 5.301137705 -0.13371969 0.894317649 0.973133085 -6.982408309 stable

TRHR 0.000352102 2.09347031 0.133684441 0.894345337 0.973133085 -6.982413101 stable

LOC643355 0.000456925 2.78732506 0.133667056 0.894358994 0.973133085 -6.982415464 stable

TRAPPC8 -0.003639242 11.57271644 -0.133586059 0.894422618 0.973138504 -6.98242647 stable

MAMDC2-AS1 0.000718574 2.881301926 0.133534439 0.894463167 0.973138504 -6.982433481 stable

TMEM185B 0.013813901 8.19147995 0.13347061 0.894513307 0.973138504 -6.982442146 stable

C3orf43 0.001558951 2.886709756 0.133366301 0.894595246 0.973138504 -6.982456298 stable

NELL1 -0.000797022 3.076937899 -0.133358528 0.894601351 0.973138504 -6.982457352 stable

TSSK6 0.000576119 2.67599718 0.133344701 0.894612213 0.973138504 -6.982459227 stable

GPR34 0.044728161 6.981828218 0.133009122 0.894875833 0.973239162 -6.982504673 stable

COLEC10 -0.00021772 2.023066533 -0.132985073 0.894894726 0.973239162 -6.982507925 stable

LOC101928973 -0.012843847 5.098790693 -0.132929874 0.894938089 0.973239162 -6.982515388 stable

FAM9A 0.001052022 3.244874048 0.132923288 0.894943263 0.973239162 -6.982516279 stable

C3orf33 0.0022959 3.077103875 0.13286632 0.894988017 0.973239162 -6.982523977 stable

RPL23A /// SNORD42A -0.001894976 15.80580215 -0.132825955 0.895019728 0.973239162 -6.98252943 stable

LOC101928869 -0.000782539 2.633065951 -0.132765047 0.895067578 0.973239162 -6.982537655 stable

AX746823 -0.027826017 8.929929458 -0.132708776 0.895111786 0.973239162 -6.98254525 stable

BC039319 0.002100433 3.274522138 0.132673822 0.895139246 0.973239162 -6.982549967 stable

DEFB123 0.000172141 2.026208993 0.132645602 0.895161416 0.973239162 -6.982553774 stable

SNX17 -0.005964596 11.55871371 -0.132601895 0.895195753 0.973239162 -6.982559668 stable

L1CAM 0.004575978 3.664409782 0.132594862 0.895201279 0.973239162 -6.982560616 stable

MIR7109 /// PISD -0.014517418 10.20794749 -0.132409858 0.895346625 0.97331406 -6.982585544 stable

HCLS1 0.004204007 13.62121259 0.132310161 0.895424952 0.97331406 -6.982598963 stable

RP5-882O7.1 -0.002968686 15.02957709 -0.132292031 0.895439196 0.97331406 -6.982601402 stable

ZNF837 0.000209791 1.913295735 0.132270681 0.89545597 0.97331406 -6.982604273 stable

FAM26F 0.0376757 5.944280576 0.132168303 0.895536405 0.97331406 -6.982618038 stable

ADAT1 -0.012997468 8.527390854 -0.132153588 0.895547967 0.97331406 -6.982620016 stable

NCF2 -0.017928546 13.08679999 -0.132085125 0.895601757 0.97331406 -6.982629214 stable

CCDC38 0.007819466 3.616447403 0.132037576 0.895639115 0.97331406 -6.9826356 stable

KCNU1 -0.000464209 2.630183011 -0.132022869 0.89565067 0.97331406 -6.982637574 stable

LINC00472 0.001053666 3.001024408 0.131980477 0.895683977 0.97331406 -6.982643265 stable

LRRC27 0.01062008 3.62757395 0.131842216 0.895792609 0.973373512 -6.982661811 stable

ZFP36L2 -0.013944176 12.7937074 -0.131805505 0.895821453 0.973373512 -6.982666732 stable

APOBEC3B -0.068951313 4.53707677 -0.131694057 0.89590902 0.97338853 -6.982681663 stable

RP11-288L9.1 -0.000209983 2.38965871 -0.131682574 0.895918043 0.97338853 -6.982683201 stable

LOC100630923 0.007926441 5.66902942 0.13125225 0.896256169 0.973710917 -6.98274073 stable

DYX1C1 /// DYX1C1-CCPG1 0.000743749 2.758504114 0.131095611 0.896379253 0.973799659 -6.982761624 stable

SRGAP3 0.000832364 2.713678153 0.130985461 0.896465808 0.973821955 -6.982776302 stable

ZNF569 -0.009074392 6.251195023 -0.130920006 0.896517243 0.973821955 -6.982785019 stable

FXYD4 0.00028481 2.208481272 0.130865281 0.896560246 0.973821955 -6.982792303 stable

C1RL -0.009988892 8.923132738 -0.130858741 0.896565386 0.973821955 -6.982793173 stable

BC033323 /// CEP290 -0.000202141 2.134998215 -0.130777115 0.896629529 0.973846654 -6.982804032 stable

RNPEP 0.013273307 11.09524514 0.130602689 0.896766598 0.973950554 -6.982827213 stable

ZNF518B -0.010574152 9.241381378 -0.130510373 0.896839144 0.97397356 -6.982839469 stable

MALL -0.001761136 2.177490711 -0.130470348 0.896870598 0.97397356 -6.98284478 stable

COX6B1 -0.005469452 12.71308545 -0.130328436 0.896982121 0.974007036 -6.982863598 stable

MMD2 -0.001245735 2.923725653 -0.130325735 0.896984244 0.974007036 -6.982863956 stable

AVP 0.000173342 1.954748499 0.130244058 0.897048431 0.974021012 -6.982874777 stable

EPCAM 0.001064978 3.242061309 0.130085477 0.897173058 0.974021012 -6.982895768 stable

ARHGAP12 -0.007693249 9.345098071 -0.130069678 0.897185474 0.974021012 -6.982897858 stable

SIGLEC10 0.023635861 9.124841777 0.130032955 0.897214335 0.974021012 -6.982902714 stable

OR12D3 0.000180139 2.077730502 0.130006763 0.89723492 0.974021012 -6.982906177 stable

BC045805 -0.00114368 2.938379468 -0.129914503 0.897307427 0.974021012 -6.98291837 stable

LOC100129455 -0.000409651 2.468681509 -0.129903695 0.897315922 0.974021012 -6.982919798 stable

SELO 0.010683469 8.709344306 0.129790419 0.897404947 0.974021012 -6.982934755 stable

LINC00163 -0.00023082 2.236652739 -0.129789858 0.897405388 0.974021012 -6.982934829 stable

CCDC39 /// LOC101928882 -0.0010677 3.210439648 -0.129782435 0.897411222 0.974021012 -6.982935809 stable

RP11-513M16.7 0.004569582 3.197110271 0.129533398 0.89760695 0.974070187 -6.982968644 stable

MGC57346 0.010197782 4.240008593 0.129430548 0.897687786 0.974070187 -6.982982187 stable

RPL31 -0.038134155 9.830601595 -0.129357621 0.897745104 0.974070187 -6.982991783 stable

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EEF1A2 -0.000552466 2.694669745 -0.129263836 0.897818816 0.974070187 -6.983004115 stable

SLC6A8 -0.022488283 4.946036346 -0.129253562 0.897826892 0.974070187 -6.983005466 stable

BC037892 /// RP11-1129I3.1 -0.00087046 2.755299058 -0.129212948 0.897858813 0.974070187 -6.983010803 stable

ALG14 -0.016794575 6.642673111 -0.12900978 0.898018503 0.974070187 -6.983037478 stable

VPS54 -0.005363521 9.800201316 -0.12894429 0.898069979 0.974070187 -6.983046067 stable

LINC00028 0.001840315 2.768136778 0.128934752 0.898077476 0.974070187 -6.983047318 stable

PPT1 -0.01769006 13.16524703 -0.128862098 0.898134583 0.974070187 -6.983056842 stable

TRAV20 /// TRAV20 /// TRAV20 0.010826039 6.610077825 0.128823446 0.898164964 0.974070187 -6.983061906 stable

CHL1-AS2 /// CHL1-AS2 0.000542095 2.735258347 0.128821736 0.898166308 0.974070187 -6.98306213 stable

EPS8L3 -0.000218568 2.16329803 -0.128788721 0.898192259 0.974070187 -6.983066454 stable

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LOC253044 0.000346294 2.222519957 0.128641502 0.898307979 0.974070187 -6.983085724 stable

KRTAP4-12 -0.000427986 2.62365295 -0.128638834 0.898310076 0.974070187 -6.983086073 stable

CAPN9 0.000413706 2.112548355 0.128560114 0.898371954 0.974070187 -6.983096368 stable

ACADSB 0.005687254 6.139798684 0.128428163 0.898475675 0.974070187 -6.983113609 stable

MIR1304 /// SNORA1 /// SNORA18 /// SNORA32 /// SNORA40 /// SNORA8 /// SNORD5 /// TAF1D -0.008043172 11.77656517 -0.12842639 0.898477069 0.974070187 -6.983113841 stable

CDC20B 0.000253718 2.378430412 0.128379402 0.898514005 0.974070187 -6.983119976 stable

PCMTD1 -0.007256974 11.57817211 -0.128375526 0.898517052 0.974070187 -6.983120482 stable

MGC4859 -0.000775437 2.414239772 -0.128362537 0.898527262 0.974070187 -6.983122178 stable

TADA2B 0.008922448 8.980834362 0.12834723 0.898539294 0.974070187 -6.983124176 stable

HSF2BP 0.000249346 2.165590141 0.128334378 0.898549397 0.974070187 -6.983125853 stable

MCC -0.003623453 3.000464048 -0.128311457 0.898567415 0.974070187 -6.983128844 stable

CTB-12O2.1 0.00152986 3.3629731 0.128302222 0.898574675 0.974070187 -6.983130049 stable

LINC00184 0.008019661 5.40022262 0.128237881 0.898625252 0.974080121 -6.983138442 stable

AF067845.1 -0.000206343 2.431343862 -0.128154907 0.898690477 0.974105931 -6.983149259 stable

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UNC13D -0.005239089 9.249760782 -0.127972764 0.89883366 0.974171345 -6.983172979 stable

IGLVIVOR22-1 /// IGLVIVOR22-1 0.000645071 2.690008645 0.127794649 0.89897368 0.974235244 -6.983196143 stable

ALG5 0.000266028 2.472150732 0.127792389 0.898975458 0.974235244 -6.983196436 stable

RP13-1032I1.7 -0.003016117 3.009215857 -0.127646113 0.899090451 0.974314973 -6.983215435 stable

WLS 0.031119485 7.575581162 0.127572421 0.899148384 0.974332864 -6.983224998 stable

IL1F10 0.001662095 2.920274705 0.12747036 0.89922862 0.974374919 -6.983238233 stable

ANKHD1 /// ANKHD1-EIF4EBP3 /// EIF4EBP3 0.005305143 9.798914273 0.127321271 0.89934583 0.974443642 -6.983257548 stable

IL7R 0.015303981 13.23314926 0.127282085 0.899376638 0.974443642 -6.983262621 stable

NUDT17 -0.00937458 2.9727678 -0.127209904 0.899433386 0.974443642 -6.983271961 stable

NADK2-AS1 -0.000412676 2.483582575 -0.127153795 0.899477498 0.974443642 -6.983279217 stable

COL27A1 0.000263828 2.376593312 0.127056094 0.899554311 0.974443642 -6.983291846 stable

PRO2214 0.006842311 2.963639255 0.12704843 0.899560336 0.974443642 -6.983292836 stable

EGR3 -0.039911544 5.836944609 -0.127019211 0.899583309 0.974443642 -6.983296611 stable

ACKR4 0.002123881 3.579638223 0.126873437 0.899697919 0.974443642 -6.983315429 stable

RPS19BP1 -0.006511532 10.00175507 -0.126861392 0.899707389 0.974443642 -6.983316983 stable

RFC3 -0.009473045 8.095242215 -0.126833143 0.899729599 0.974443642 -6.983320627 stable

C20orf78 0.000408653 2.351255815 0.126810048 0.899747758 0.974443642 -6.983323606 stable

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MEGF9 -0.020552991 12.01563826 -0.126627737 0.899891098 0.974468878 -6.983347099 stable

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VN1R5 0.000207338 2.17876421 0.126527114 0.899970214 0.974468878 -6.983360051 stable

FAM166B 0.000238495 2.246360925 0.126472518 0.900013141 0.974468878 -6.983367075 stable

ABCD4 -0.008386399 8.874919328 -0.126382776 0.900083702 0.974468878 -6.983378613 stable

AP1S2 -0.012712768 10.92246183 -0.126323865 0.900130023 0.974468878 -6.983386182 stable

ALDH1L1-AS2 0.000462909 2.400236897 0.126314438 0.900137435 0.974468878 -6.983387393 stable

SERPINA4 0.000189044 1.756278628 0.126306182 0.900143927 0.974468878 -6.983388454 stable

SCARA5 0.001097303 2.733714553 0.126176215 0.900246119 0.974534654 -6.983405139 stable

RBM24 -0.0012715 3.024545272 -0.126067729 0.900331421 0.974566564 -6.983419053 stable

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ADAP2 -0.021893376 8.894945792 -0.125980643 0.900399898 0.974566564 -6.983430214 stable

LOC729652 0.000851921 3.220330151 0.125888666 0.900472222 0.974571638 -6.983441993 stable

GNPDA1 0.007445899 9.829618021 0.125869295 0.900487454 0.974571638 -6.983444473 stable

CPN2 -0.001988041 3.292335281 -0.125685511 0.900631971 0.974604332 -6.98346798 stable

MDGA1 -0.026076022 5.216270389 -0.125654225 0.900656572 0.974604332 -6.983471978 stable

ZNF793 -0.009891127 5.423501416 -0.125583137 0.900712473 0.974604332 -6.983481059 stable

MCOLN1 0.01825336 8.819983762 0.125559168 0.900731321 0.974604332 -6.98348412 stable

CAMK2N2 -0.000187683 1.675945285 -0.125553233 0.900735988 0.974604332 -6.983484878 stable

ENTPD2 0.000327484 2.278211927 0.125493532 0.900782935 0.974604332 -6.983492499 stable

DRAM1 0.025649367 8.67338782 0.125415661 0.90084417 0.974604332 -6.983502433 stable

C1orf180 0.000339238 2.65996393 0.125384324 0.900868813 0.974604332 -6.98350643 stable

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COPS3 -0.00608245 9.945313208 -0.125239221 0.90098292 0.974659397 -6.983524921 stable

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C3orf14 0.028982923 5.986906685 0.12492856 0.901227226 0.974752473 -6.983564437 stable

TAS2R14 0.004343126 3.197618074 0.12492058 0.901233502 0.974752473 -6.983565451 stable

LOC100506175 -0.000700992 3.064362369 -0.124919022 0.901234728 0.974752473 -6.983565649 stable

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ALKBH3 0.008002327 8.725694239 0.124796778 0.901330864 0.974766806 -6.983581171 stable

LOC339622 -0.00113287 3.087221475 -0.124736332 0.901378401 0.974773396 -6.98358884 stable

EGR2 0.079126444 7.487173043 0.124636514 0.901456903 0.974813471 -6.983601497 stable

SLC25A13 -0.01240933 7.162882772 -0.124476295 0.901582909 0.97486895 -6.983621792 stable

KIRREL3 0.00309334 3.003991832 0.12446588 0.9015911 0.97486895 -6.98362311 stable

CLEC4A 0.016957581 11.70782151 0.12436526 0.901670236 0.974903758 -6.983635841 stable

KLHL17 0.0076494 3.671907381 0.124319547 0.901706188 0.974903758 -6.983641621 stable

DHRS4 /// DHRS4L2 -0.009756385 9.767367894 -0.124106735 0.901873564 0.974976618 -6.983668503 stable

MRAP2 0.000287443 2.236254924 0.124076475 0.901897364 0.974976618 -6.983672322 stable

NDUFB6 0.005759218 2.939322419 0.123991156 0.901964468 0.974976618 -6.983683083 stable

DHDDS 0.004684334 7.519575344 0.12398429 0.901969869 0.974976618 -6.983683949 stable

EP400 -0.006559941 9.61255901 -0.123970347 0.901980835 0.974976618 -6.983685707 stable

SLFNL1 0.001580045 3.314188155 0.123875461 0.902055465 0.975012481 -6.983697665 stable

AL832615 /// AX747639 -0.001968645 2.65204563 -0.123797149 0.90211706 0.975027096 -6.983707527 stable

DCTN1 0.005048505 10.07879429 0.123738909 0.902162869 0.975027096 -6.983714857 stable

RP11-749H17.2 0.001353801 3.429097421 0.123700158 0.902193348 0.975027096 -6.983719733 stable

CCDC149 -0.000819775 2.880021781 -0.123580473 0.902287486 0.975084032 -6.983734782 stable

MIR4500HG 0.000252237 2.642205709 0.123510546 0.902342489 0.975098671 -6.983743567 stable

LOC285627 0.000261027 2.150941629 0.123360789 0.902460283 0.97512067 -6.983762366 stable

GPR52 0.000159215 2.010530415 0.123291983 0.902514405 0.97512067 -6.983770995 stable

IQCF1 0.000172706 2.012985249 0.123259639 0.902539847 0.97512067 -6.98377505 stable

SMC5 -0.005967546 8.391192486 -0.123223992 0.902567886 0.97512067 -6.983779518 stable

HERC3 /// LOC101929134 -0.018047187 5.022548277 -0.123098154 0.902666871 0.97512067 -6.983795279 stable

C3orf30 0.00075612 2.821560994 0.123086367 0.902676142 0.97512067 -6.983796754 stable

ALKBH5 0.007403348 10.09852056 0.123078688 0.902682183 0.97512067 -6.983797715 stable

TNRC6C-AS1 0.014517761 9.496716393 0.122948034 0.902784957 0.97512067 -6.98381406 stable

METAP2 0.00436892 10.95870197 0.122835104 0.902873791 0.97512067 -6.983828173 stable

LOC389831 -0.030104781 2.987120279 -0.122827079 0.902880104 0.97512067 -6.983829176 stable

AGAP9 -0.008310732 6.229054135 -0.122730659 0.902955952 0.97512067 -6.983841215 stable

LILRA2 0.022584772 10.9326005 0.122698372 0.90298135 0.97512067 -6.983845244 stable

GHRLOS 0.002931958 4.452974346 0.122693 0.902985576 0.97512067 -6.983845914 stable

CYB561 0.005205131 5.834599043 0.122683654 0.902992928 0.97512067 -6.983847081 stable

TMEM128 -0.005519076 9.010056331 -0.122634584 0.903031529 0.97512067 -6.983853201 stable

TMEM131 0.003798565 11.02803623 0.122585119 0.903070441 0.97512067 -6.983859369 stable

LOC101929586 0.000279359 2.367744547 0.122537377 0.903107997 0.97512067 -6.98386532 stable

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RPL4 /// SNORD16 /// SNORD18A /// SNORD18B /// SNORD18C -0.003263715 15.04743599 -0.122036433 0.903502085 0.97512067 -6.983927617 stable

NEBL 0.045226149 3.33227891 0.121995563 0.903534237 0.97512067 -6.983932689 stable

TCF3 -0.007155143 6.314238945 -0.121862843 0.903638651 0.97512067 -6.983949146 stable

PCDHB10 /// PCDHB9 -0.000431702 2.630636569 -0.121844545 0.903653047 0.97512067 -6.983951413 stable

LOC101927157 0.000390323 2.390730667 0.121824478 0.903668834 0.97512067 -6.983953899 stable

KCNN3 0.000336559 2.508837466 0.121813623 0.903677374 0.97512067 -6.983955244 stable

MC5R 0.000174123 2.104748827 0.121789181 0.903696603 0.97512067 -6.983958272 stable

LOC101929116 0.000614351 2.329092193 0.121684977 0.903778586 0.97512067 -6.983971172 stable

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GNL2 0.005824013 9.20217373 0.121468215 0.903949125 0.97512067 -6.983997973 stable

MYL2 0.000157168 2.057286539 0.121357426 0.90403629 0.97512067 -6.984011652 stable

DXO -0.012926431 6.66216424 -0.121356984 0.904036638 0.97512067 -6.984011706 stable

ZNF474 -0.001164891 2.859148313 -0.121346831 0.904044626 0.97512067 -6.984012959 stable

CPXM1 -0.000255959 2.312462222 -0.121330284 0.904057646 0.97512067 -6.984015001 stable

NAV2 0.000390101 2.304935854 0.121319478 0.904066147 0.97512067 -6.984016335 stable

RPL24 0.002901037 14.85096806 0.121297553 0.904083398 0.97512067 -6.984019039 stable

LOC100128840 0.00083895 2.593513495 0.121288192 0.904090763 0.97512067 -6.984020194 stable

RNMT -0.005757956 8.760044817 -0.121264605 0.90410932 0.97512067 -6.984023103 stable

CELF2 -0.007252028 10.43909103 -0.121176416 0.904178707 0.97512067 -6.984033975 stable

MIR6743 /// RIC8A -0.004776034 10.53502043 -0.121165915 0.904186969 0.97512067 -6.984035269 stable

SMPD3 -0.016452092 3.627257586 -0.121109037 0.904231721 0.97512067 -6.984042276 stable

LOC149703 0.000183462 2.007156475 0.121079115 0.904255263 0.97512067 -6.98404596 stable

CSMD1 0.010670148 3.363610045 0.121058324 0.904271622 0.97512067 -6.98404852 stable

SPATS1 0.001469799 2.800092266 0.121003889 0.904314452 0.97512067 -6.98405522 stable

SURF6 0.008703345 7.659182485 0.120988167 0.904326823 0.97512067 -6.984057155 stable

CEP68 0.016691491 4.726209489 0.120987281 0.904327519 0.97512067 -6.984057264 stable

ALG12 -0.006629846 8.076713303 -0.120971377 0.904340033 0.97512067 -6.984059221 stable

PDPK1 0.002095662 3.466842255 0.12091542 0.904384061 0.97512067 -6.984066103 stable

MAGEA8 0.000256637 2.499840137 0.120902457 0.904394261 0.97512067 -6.984067697 stable

EPX -0.000605544 2.558599224 -0.120556867 0.904666185 0.975326402 -6.984110128 stable

TSPY1 /// TSPY10 /// TSPY3 /// TSPY4 /// TSPY8 -0.00065777 2.998194707 -0.120504481 0.904707405 0.975326402 -6.984116549 stable

LOC101929841 /// LRRC37B -0.005712305 9.266427141 -0.120460333 0.904742143 0.975326402 -6.984121958 stable

HK3 0.021096874 11.18246575 0.120445522 0.904753798 0.975326402 -6.984123773 stable

PPIP5K1 0.005795666 7.218942261 0.120396462 0.904792402 0.975326402 -6.984129781 stable

TTL 0.004677226 4.898681754 0.120121237 0.905008973 0.975470906 -6.984163441 stable

KIAA1147 0.016035151 9.222539104 0.120120693 0.9050094 0.975470906 -6.984163507 stable

FOXC1 -0.000560136 2.309671268 -0.119914612 0.905171568 0.975599741 -6.98418866 stable

SPANXA2-OT1 -0.00073097 3.093744349 -0.119812229 0.905252136 0.975599741 -6.984201141 stable

TRA2A 0.007312362 10.53962641 0.119810669 0.905253363 0.975599741 -6.984201331 stable

JRK 0.002352779 2.539773575 0.119671157 0.905363151 0.975668936 -6.98421832 stable

KPNA4 0.000317593 2.167510081 0.119394202 0.905581102 0.975668936 -6.984251987 stable

VIM 0.027159733 7.983534218 0.11937827 0.90559364 0.975668936 -6.984253921 stable

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POU3F3 0.000195244 2.316511555 0.11925653 0.905689447 0.975668936 -6.984268693 stable

OLIG1 0.033104939 9.105893927 0.119252755 0.905692418 0.975668936 -6.984269151 stable

PCDHGC3 /// PCDHGC5 0.00015945 2.187725974 0.11922172 0.905716842 0.975668936 -6.984272914 stable

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ASCL5 0.000189674 2.212832 0.119200779 0.905733322 0.975668936 -6.984275453 stable

DGKB 0.000916942 3.008143862 0.11916476 0.905761668 0.975668936 -6.984279819 stable

PERM1 0.00032433 2.440984456 0.119094258 0.905817153 0.975668936 -6.98428836 stable

BMS1P5 0.011223474 6.167966482 0.119056671 0.905846734 0.975668936 -6.984292912 stable

PDCD2L -0.010794761 7.711073215 -0.119043858 0.905856818 0.975668936 -6.984294463 stable

CDK12 0.010993476 5.313461634 0.118922385 0.905952419 0.975687719 -6.984309162 stable

LOC100132005 0.000905214 2.46538506 0.118899492 0.905970435 0.975687719 -6.98431193 stable

TMEM138 0.003957986 9.991867743 0.118845556 0.906012884 0.975687719 -6.984318451 stable

CHI3L1 0.043632005 5.549555436 0.11881087 0.906040183 0.975687719 -6.984322642 stable

TMEM176B 0.089682531 10.51451752 0.11862906 0.906183274 0.975761949 -6.984344593 stable

C6orf164 0.000845711 3.058448889 0.118617865 0.906192084 0.975761949 -6.984345944 stable

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LOC101928995 -0.000693043 2.696669566 -0.118408911 0.906356543 0.975835498 -6.984371128 stable

HELLS 0.025233502 4.358909229 0.118372942 0.906384853 0.975835498 -6.984375459 stable

RPA3 -0.007949622 9.832141657 -0.118301255 0.906441276 0.975851577 -6.984384086 stable

LOC101927247 -0.001359151 2.708068972 -0.117837103 0.906806608 0.976030557 -6.984439819 stable

PANX1 0.007282712 8.710199772 0.117744985 0.906879117 0.976030557 -6.984450854 stable

ZNF502 -0.01983934 5.434126221 -0.117732186 0.906889191 0.976030557 -6.984452387 stable

C11orf83 0.010780231 7.043205741 0.117681952 0.906928732 0.976030557 -6.9844584 stable

IFT172 0.00700968 6.730739688 0.117672092 0.906936493 0.976030557 -6.98445958 stable

ANO1 -0.000483085 2.633834671 -0.117665873 0.906941388 0.976030557 -6.984460324 stable

LOC101929410 0.000182388 2.136776772 0.117553937 0.907029498 0.976030557 -6.984473713 stable

NUP155 0.008326918 8.186221848 0.117532458 0.907046404 0.976030557 -6.98447628 stable

LYZ -0.054010286 14.97674707 -0.117307872 0.90722319 0.976030557 -6.984503099 stable

LOC102724782 -0.010606663 6.897020556 -0.11722941 0.907284953 0.976030557 -6.984512456 stable

BC041347 /// FLNB-AS1 /// FLNB-AS1 0.001336925 3.289437517 0.117220567 0.907291914 0.976030557 -6.984513511 stable

C20orf96 0.000430915 2.410024621 0.117156771 0.907342133 0.976030557 -6.984521114 stable

HTR4 0.000228409 2.375021637 0.117152276 0.907345671 0.976030557 -6.984521649 stable

MYO3B 0.000462214 3.037498792 0.117148598 0.907348567 0.976030557 -6.984522088 stable

LRRC10B 0.003573442 4.568438439 0.117146064 0.907350561 0.976030557 -6.98452239 stable

NDN 0.00950344 2.324850648 0.117098048 0.907388358 0.976030557 -6.984528109 stable

GSN 0.004229882 5.317547406 0.117069204 0.907411064 0.976030557 -6.984531543 stable

MRPL48 0.007290107 9.403821849 0.117035149 0.907437872 0.976030557 -6.984535597 stable

EPB41L5 0.000190979 2.078334889 0.117027724 0.907443717 0.976030557 -6.984536481 stable

MMRN2 -0.00034306 2.834350102 -0.116955751 0.907500374 0.976030557 -6.984545044 stable

IFITM10 -0.000424075 2.31065852 -0.116928068 0.907522166 0.976030557 -6.984548337 stable

LOC101927815 0.000314111 2.329137105 0.116899789 0.907544427 0.976030557 -6.984551699 stable

LINC01348 0.000436575 2.694508913 0.116851303 0.907582596 0.976030557 -6.984557462 stable

NSD1 0.008035401 8.081405996 0.116777492 0.907640702 0.976030557 -6.984566231 stable

HP09025 0.000911394 3.28001766 0.116646556 0.907743778 0.976030557 -6.984581772 stable

CDY1 -0.00109609 3.371864062 -0.116587555 0.907790225 0.976030557 -6.98458877 stable

OR2B3 0.000148661 1.987193804 0.116551121 0.907818908 0.976030557 -6.984593089 stable

ARPC4 0.008623127 11.37874835 0.116521259 0.907842416 0.976030557 -6.984596628 stable

LRRC4C -0.005315686 3.034716157 -0.11651156 0.907850052 0.976030557 -6.984597777 stable

LOC254896 /// TNFRSF10C 0.005175307 6.472333548 0.116477959 0.907876504 0.976030557 -6.984601758 stable

FAM57A 0.0053656 2.364212891 0.116422242 0.907920367 0.976030557 -6.984608357 stable

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ORMDL2 0.007931341 9.933028143 0.116344549 0.907981531 0.976035538 -6.984617552 stable

CRY2 -0.002753825 8.858570979 -0.11627513 0.908036182 0.976049678 -6.984625764 stable

GPBP1L1 -0.011829364 9.765274614 -0.115931869 0.908306426 0.976295547 -6.984666295 stable

BMP4 0.000155824 2.019843463 0.115768906 0.908434728 0.976303253 -6.984685495 stable

LOC101928851 0.002372186 2.490609282 0.115721562 0.908472002 0.976303253 -6.984691068 stable

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LOC400794 -0.000674292 2.747550757 -0.115711879 0.908479626 0.976303253 -6.984692208 stable

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SORCS3-AS1 -0.000227268 2.180541876 -0.115405753 0.90872065 0.976428433 -6.984728185 stable

LOC728073 -0.003765935 3.527320821 -0.115137219 0.908932082 0.976611005 -6.984759665 stable

EIF4A1 /// LOC101928634 /// SENP3-EIF4A1 /// SNORA48 /// SNORA67 /// SNORD10 0.004797468 13.87643847 0.114911593 0.909109736 0.97674677 -6.984786059 stable

GNAI2 -0.008180692 12.44100142 -0.11486002 0.909150345 0.97674677 -6.984792085 stable

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ABCC5 0.00208892 3.191792944 0.114341003 0.90955903 0.976752921 -6.984852576 stable

MANEAL 0.001051031 2.470944203 0.114289314 0.909599734 0.976752921 -6.984858585 stable

ROCK2 0.008298826 8.618886524 0.114283879 0.909604013 0.976752921 -6.984859217 stable

IGF1R 0.023487596 7.794948491 0.114203684 0.909667163 0.976776139 -6.984868534 stable

PLXNA4 -0.004121152 3.041512158 -0.113956886 0.909861509 0.976852638 -6.984897168 stable

KREMEN2 -0.000861589 2.796682547 -0.11390225 0.909904534 0.976852638 -6.984903498 stable

ERBB4 -0.001400275 3.065808785 -0.113889554 0.909914532 0.976852638 -6.984904969 stable

LSM5 0.011933751 5.796762208 0.113886146 0.909917216 0.976852638 -6.984905364 stable

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LOC101928304 0.000177707 2.142993554 0.113789585 0.909993257 0.976854042 -6.984916543 stable

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FBF1 0.002497434 3.553332646 0.113584167 0.910155025 0.976854042 -6.984940294 stable

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GIT1 0.008068503 9.64487656 0.113402721 0.910297919 0.976881758 -6.984961237 stable

LINC01432 0.000297084 2.425423504 0.113393164 0.910305445 0.976881758 -6.984962339 stable

CDC42EP1 -0.019679412 5.559165698 -0.113227304 0.910436066 0.976884706 -6.984981452 stable

AS3MT -0.004590634 5.207409727 -0.113223735 0.910438878 0.976884706 -6.984981863 stable

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OTOS 0.000607063 2.235054343 0.113033148 0.910588976 0.976954857 -6.985003791 stable

LAMA1 0.000240147 2.396590741 0.112990232 0.910622775 0.976954857 -6.985008724 stable

RAP2C-AS1 -0.003757873 2.733780139 -0.112912332 0.910684127 0.976956324 -6.985017672 stable

FKBP11 0.012437362 11.58132326 0.112838758 0.910742073 0.976956324 -6.985026118 stable

LOC728743 0.015537413 4.659550141 0.112830282 0.910748748 0.976956324 -6.985027091 stable

LOC101929456 0.000181521 2.225905824 0.112693807 0.910856234 0.976983121 -6.985042742 stable

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NOC3L 0.007476247 9.59415118 0.112044803 0.911367408 0.977154091 -6.985116911 stable

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FAM225A /// FAM225B -0.00118286 2.7068977 -0.111624964 0.911698105 0.977154091 -6.985164663 stable

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RPS5 0.003601678 14.88637907 0.111421502 0.911858373 0.977154091 -6.98518774 stable

ANKFN1 /// BC037494 -0.000287193 2.49158704 -0.11138317 0.911888567 0.977154091 -6.985192083 stable

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PTRF -0.001654928 3.738315885 -0.111349239 0.911915295 0.977154091 -6.985195926 stable

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DOLPP1 0.007112378 8.035076509 0.111066667 0.912137886 0.977154091 -6.985227885 stable

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HLA-DQA1 /// LOC100509457 -0.131583128 7.46630488 -0.110121783 0.912882253 0.97728385 -6.985334163 stable

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LOC100505841 -0.000867784 2.724500153 -0.10944744 0.913413541 0.977497442 -6.985409457 stable

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LOC100652931 /// RBMY2FP -0.000628512 2.655492604 -0.109081265 0.913702052 0.977760963 -6.985450148 stable

ERVFH21-1 0.000655472 2.632232009 0.108960909 0.913796884 0.977817957 -6.985463493 stable

PTPN12 0.008229693 12.13672142 0.108829025 0.9139008 0.977825573 -6.9854781 stable

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APEX2 -0.007247402 8.441412672 -0.108688072 0.914011864 0.977825573 -6.985493691 stable

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OGFOD3 -0.007278097 6.123678792 -0.108306445 0.914312575 0.977891763 -6.985535802 stable

SRA1 -0.012172396 9.631148813 -0.108241153 0.914364026 0.977891763 -6.985542992 stable

PSG11 -0.000924014 3.340219029 -0.108184798 0.914408433 0.977891763 -6.985549194 stable

TREM1 -0.022798482 10.43186871 -0.108163231 0.914425428 0.977891763 -6.985551567 stable

SEC61G 0.00431694 11.88761651 0.108112909 0.914465081 0.977891763 -6.985557101 stable

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CAPN2 0.004246251 13.06923863 0.107860497 0.914663987 0.977944981 -6.985584823 stable

TEX14 0.000590763 2.640131182 0.107637234 0.914839926 0.978064379 -6.985609289 stable

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USE1 -0.005998893 9.065644586 -0.105904435 0.916205585 0.97893794 -6.985797456 stable

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NUDT9P1 0.006731643 4.349468266 0.105590907 0.916452711 0.97893794 -6.985831176 stable

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VPS18 0.007782308 3.386900602 0.105493729 0.916529309 0.97893794 -6.985841608 stable

RSPRY1 0.004599166 10.05023678 0.105483458 0.916537405 0.97893794 -6.98584271 stable

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GPR161 0.001099122 2.405593773 0.104128712 0.917605339 0.979292502 -6.985987118 stable

KRT17P5 0.000141251 2.021057248 0.104095731 0.91763134 0.979292502 -6.98599061 stable

SPEF2 -0.006181242 6.930865143 -0.10399664 0.917709459 0.979331436 -6.986001096 stable

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LOC101927502 0.000239876 2.240897316 0.103852057 0.917823443 0.979364206 -6.986016378 stable

NPVF -0.000390689 2.472552464 -0.103746872 0.917906368 0.97940826 -6.986027483 stable

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LOC440934 -0.000573917 3.150929589 -0.102804547 0.918649315 0.979697948 -6.986126463 stable

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NT5E -0.017332057 5.262502455 -0.102670251 0.918755203 0.979697948 -6.986140496 stable

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DLGAP2-AS1 0.000302066 2.605534147 0.102406645 0.918963051 0.979697948 -6.986167987 stable

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SPANXA1 /// SPANXA2 -0.000572301 3.052204392 -0.101581494 0.919613704 0.979726027 -6.986253585 stable

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ITFG3 0.007198736 8.221242412 0.100515183 0.920454601 0.979836705 -6.986363174 stable

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FAM133A -0.000478105 2.725219297 -0.100021626 0.920843853 0.979961676 -6.986413508 stable

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PERP -0.001159693 3.690689834 -0.098668308 0.921911271 0.980434734 -6.986550251 stable

ADORA1 -0.002946758 2.510617472 -0.098516854 0.922030739 0.980466896 -6.986565439 stable

GNAI3 -0.005421046 10.95146166 -0.098402024 0.922121318 0.980466896 -6.986576938 stable

CTNNA3 0.000571222 3.233667034 0.098378475 0.922139894 0.980466896 -6.986579295 stable

C12orf57 -0.016958671 12.393998 -0.098377289 0.922140829 0.980466896 -6.986579413 stable

POLR2G 0.003860399 11.95732577 0.098365743 0.922149937 0.980466896 -6.986580569 stable

ATP6V0D1 0.009758688 12.83702764 0.09810576 0.92235502 0.980602983 -6.986606545 stable

DAB2IP -0.001384558 2.586414039 -0.098097784 0.922361311 0.980602983 -6.986607341 stable

KIF11 0.019509851 3.906539657 0.097973818 0.922459101 0.980656067 -6.986619702 stable

TRABD -0.005114309 9.505412451 -0.097858581 0.922550006 0.980656067 -6.986631178 stable

DHPS -0.004025172 9.200822904 -0.097854124 0.922553523 0.980656067 -6.986631622 stable

SLC43A2 0.013874694 8.563724483 0.097823079 0.922578013 0.980656067 -6.986634711 stable

ITGA7 0.004456986 2.687353807 0.097714338 0.922663795 0.980688549 -6.986645524 stable

GSK3B -0.006393242 9.303869925 -0.097678636 0.92269196 0.980688549 -6.986649072 stable

EXOC4 0.006740449 8.940222399 0.097542718 0.922799182 0.980758193 -6.986662566 stable

IFNAR2 0.003643857 10.60756415 0.097479279 0.922849229 0.980767066 -6.986668858 stable

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GAREM -0.001052051 2.678128545 -0.097370288 0.922935211 0.980769816 -6.986679658 stable

ATP6V0A2 -0.002161883 3.310327699 -0.097297565 0.922992582 0.980786471 -6.986686857 stable

MED27 -0.010535445 5.367772477 -0.097176619 0.923087998 0.980843549 -6.986698819 stable

LOC101927044 0.001179629 2.28375254 0.097018287 0.923212909 0.980931961 -6.986714455 stable

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OR7E24 0.000454692 2.556658036 0.096732856 0.923438096 0.98104406 -6.98674258 stable

BRINP2 -0.00018144 2.340212367 -0.096725957 0.923443539 0.98104406 -6.986743258 stable

NPHS1 0.000311459 3.068574562 0.096655109 0.923499435 0.981059131 -6.986750226 stable

PSPH -0.077042876 6.19096664 -0.096387471 0.923710592 0.981221253 -6.9867765 stable

LOC101928288 -0.003914777 3.050715238 -0.096324605 0.923760192 0.981221253 -6.986782662 stable

SPOP 0.002833377 11.15702242 0.096271162 0.923802357 0.981221253 -6.986787896 stable

GNG5 0.004828738 12.73719872 0.096200045 0.923858468 0.981221253 -6.986794857 stable

NOM1 -0.005091809 7.688176172 -0.096197305 0.923860629 0.981221253 -6.986795125 stable

AC007255.8 /// BC038570 -0.000596222 2.571798212 -0.095945774 0.924059088 0.981256569 -6.986819704 stable

POU3F4 -0.000538016 3.057956571 -0.09593853 0.924064804 0.981256569 -6.986820411 stable

CAMKV -0.000131625 2.003942101 -0.095917499 0.924081397 0.981256569 -6.986822462 stable

FERMT1 0.000173909 2.211661811 0.095848472 0.92413586 0.981256569 -6.986829194 stable

TRAF3IP3 0.008452155 12.30280181 0.095845144 0.924138487 0.981256569 -6.986829519 stable

SATB2-AS1 -0.000286238 2.581135235 -0.095827069 0.924152748 0.981256569 -6.986831281 stable

LOC100506639 -0.009011233 6.118815724 -0.09578504 0.924185909 0.981256569 -6.986835376 stable

CHEK1 -0.009004854 4.14547174 -0.095700524 0.924252595 0.981283077 -6.986843606 stable

WI2-89031B12.1 -0.000310748 2.463171837 -0.095563132 0.924361002 0.981353876 -6.98685697 stable

NPC2 -0.010396974 13.1936895 -0.095375816 0.924508803 0.981429553 -6.986875159 stable

LOC100507506 -0.00086577 2.878501928 -0.095314297 0.924557345 0.981429553 -6.986881125 stable

RFT1 0.000515694 2.753500627 0.09525156 0.924606849 0.981429553 -6.986887205 stable

TEAD2 -0.000142057 2.08286591 -0.095240253 0.924615771 0.981429553 -6.986888301 stable

C11orf72 0.003170073 2.644248346 0.095122586 0.924708618 0.981429553 -6.986899692 stable

AURKAIP1 -0.006886936 10.59783544 -0.095119561 0.924711005 0.981429553 -6.986899985 stable

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TREML5P -0.000149037 2.077158079 -0.094699547 0.925042434 0.981469811 -6.98694053 stable

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LOC642757 0.000491178 3.220866833 0.094672567 0.925063724 0.981469811 -6.986943128 stable

CRISP1 0.000229796 2.394863726 0.09458347 0.925134032 0.981469811 -6.986951704 stable

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GNG13 -0.000259625 2.470340866 -0.094533908 0.925173141 0.981469811 -6.986956471 stable

ZYG11A -0.000224108 2.372438744 -0.094532129 0.925174545 0.981469811 -6.986956642 stable

MKRN7P -0.000587953 3.055755753 -0.094460931 0.925230729 0.981469811 -6.986963485 stable

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IL1RAPL1 -0.000220905 2.220659478 -0.094392701 0.925284571 0.981469811 -6.986970038 stable

LOC642852 0.010473383 4.206008163 0.094334255 0.925330693 0.981469811 -6.986975647 stable

CDV3 -0.002824444 13.04573741 -0.094314251 0.925346479 0.981469811 -6.986977566 stable

TSPAN11 0.002202898 2.795212146 0.094132701 0.925489748 0.981577507 -6.986994966 stable

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LOC441025 -0.001423785 2.436564118 -0.093884387 0.925685707 0.981616025 -6.987018709 stable

CXorf57 -0.000598348 2.940563603 -0.093851384 0.925711752 0.981616025 -6.98702186 stable

SOD1 0.00437371 12.76362874 0.09377314 0.9257735 0.981616025 -6.987029326 stable

CYP3A5 -0.000516626 3.256752365 -0.093757554 0.925785801 0.981616025 -6.987030812 stable

MYF5 0.000606691 3.081425838 0.093733823 0.925804528 0.981616025 -6.987033075 stable

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LOC440149 0.010662732 5.290456696 0.093486491 0.92599972 0.981644422 -6.987056624 stable

RRM2 0.028164205 6.944806622 0.093414214 0.926056761 0.981644422 -6.987063494 stable

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KMT2B -0.004686704 9.194245277 -0.093300593 0.926146432 0.981644422 -6.987074283 stable

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NUP85 -0.004305386 9.783461606 -0.093175776 0.926244939 0.981644422 -6.98708612 stable

MRM1 0.004222351 6.179847616 0.093126695 0.926283676 0.981644422 -6.98709077 stable

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RPLP2 /// SNORA52 0.002507424 15.7379078 0.093079675 0.926320785 0.981644422 -6.987095223 stable

PNLIPRP3 0.000467612 2.750330053 0.093049337 0.926344729 0.981644422 -6.987098095 stable

RORC 0.008753452 3.236241589 0.093041481 0.926350929 0.981644422 -6.987098838 stable

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DBIL5P 0.000332522 2.917993464 0.092829902 0.926517915 0.981644422 -6.987118838 stable

TMEM31 -0.000186067 2.335923182 -0.092755325 0.926576775 0.981644422 -6.987125877 stable

CEP162 0.005120117 6.308124029 0.092704513 0.92661688 0.981644422 -6.987130669 stable

FAM207A -0.001603694 3.213905132 -0.09265793 0.926653645 0.981644422 -6.98713506 stable

NCK1-AS1 0.008964869 7.204828934 0.092622617 0.926681516 0.981644422 -6.987138388 stable

SMIM4 -0.001752961 2.689893341 -0.092511653 0.926769097 0.981644422 -6.987148835 stable

TFCP2 0.00427893 9.607952484 0.092494568 0.926782581 0.981644422 -6.987150443 stable

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LOC439938 0.000207733 2.327287403 0.092360476 0.926888418 0.98164905 -6.987163049 stable

GAGE1 0.00064637 2.422419577 0.092355021 0.926892723 0.98164905 -6.987163561 stable

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PPIAP21 /// PPIAP21 -0.004231068 5.481922061 -0.092083345 0.927107156 0.981662066 -6.987189044 stable

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SS18L2 0.004819433 10.70315515 0.09195144 0.927211269 0.981662066 -6.98720139 stable

TBC1D9 0.010357971 11.29283848 0.091918505 0.927237266 0.981662066 -6.987204469 stable

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HLA-DRB1 /// HLA-DRB3 /// HLA-DRB4 /// HLA-DRB5 /// LOC100996809 -0.054781716 4.225680725 -0.091850396 0.927291025 0.981673067 -6.987210835 stable

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REXO2 0.005936631 10.75341763 0.091470695 0.927590737 0.981760235 -6.987246235 stable

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LOC101928896 0.000951308 1.848583956 0.091375926 0.927665542 0.981760235 -6.987255047 stable

SMLR1 0.001045794 2.736628525 0.091217908 0.927790276 0.981848065 -6.987269721 stable

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SATB2 0.002250177 2.996261011 0.090437659 0.928406202 0.982181775 -6.987341803 stable

CYP2E1 -0.002771901 3.113255025 -0.090425989 0.928415415 0.982181775 -6.987342877 stable

GTF2I 0.005144964 10.02371616 0.090356112 0.928470578 0.982181775 -6.987349301 stable

SIVA1 -0.005084927 8.910363156 -0.090239119 0.928562936 0.982181775 -6.987360046 stable

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MYD88 0.007728006 12.86820435 0.088448482 0.929976653 0.982319877 -6.987522771 stable

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MACROD2-AS1 -0.000260434 2.587677671 -0.088274641 0.930113914 0.982319877 -6.987538395 stable

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GNB2L1 /// SNORD95 /// SNORD96A 0.001240484 15.42223772 0.087635857 0.930618302 0.982319877 -6.987595543 stable

COX6A1 -0.003584157 13.06571787 -0.087559527 0.930678574 0.982319877 -6.987602344 stable

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GAGE12B /// GAGE12F /// GAGE12G /// GAGE12I /// GAGE4 /// GAGE5 /// GAGE6 /// GAGE7 0.000205983 2.341703801 0.087453353 0.930762412 0.982319877 -6.987611794 stable

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BMP15 0.000251306 2.456957972 0.087036642 0.931091471 0.982319877 -6.987648774 stable

STYXL1 -0.00992521 8.732774406 -0.087012585 0.931110468 0.982319877 -6.987650903 stable

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LINC00935 0.000197375 2.477819233 0.086791926 0.931284717 0.982319877 -6.987670408 stable

PLCH1 0.005771841 3.095472846 0.086784899 0.931290267 0.982319877 -6.987671028 stable

ENPP2 0.022154616 4.99238592 0.08670839 0.931350686 0.982319877 -6.987677779 stable

GGNBP2 0.001183842 3.609504065 0.086621108 0.931419612 0.982319877 -6.987685473 stable

CSNK1G1 -0.00456102 4.971554037 -0.086578071 0.931453598 0.982319877 -6.987689264 stable

ANKRD10 -0.005275546 10.36982113 -0.086548652 0.93147683 0.982319877 -6.987691854 stable

VPS13A-AS1 -0.001072236 2.654948558 -0.086509857 0.931507467 0.982319877 -6.987695269 stable

IGF2BP3 -0.001965155 3.592297553 -0.086460983 0.931546063 0.982319877 -6.987699568 stable

TUBGCP4 0.006832716 7.704653809 0.086430146 0.931570416 0.982319877 -6.98770228 stable

PITPNM2 -0.013536723 6.281187092 -0.086404411 0.931590739 0.982319877 -6.987704542 stable

LINC01010 0.000145264 2.199328878 0.086389372 0.931602615 0.982319877 -6.987705863 stable

TYW5 0.00701202 6.795808626 0.086358972 0.931626623 0.982319877 -6.987708534 stable

MPP7 -0.00642173 8.579317767 -0.086342858 0.931639348 0.982319877 -6.987709949 stable

LPCAT2 -0.00857696 7.925051394 -0.086283896 0.931685911 0.982319877 -6.987715126 stable

PTGR2 -0.003636374 4.178999778 -0.086262911 0.931702484 0.982319877 -6.987716968 stable

MRPL41 0.001111117 2.342510214 0.086125756 0.931810799 0.98237581 -6.987728992 stable

ZCCHC4 0.005471152 7.21431085 0.086089962 0.931839067 0.98237581 -6.987732127 stable

CEBPZ 0.003508604 10.34472671 0.08600052 0.931909703 0.982383265 -6.987739955 stable

RNF150 -0.005294066 2.420548442 -0.085910095 0.931981116 0.982383265 -6.987747861 stable

HSPC081 -0.003529999 2.814977229 -0.085891417 0.931995867 0.982383265 -6.987749493 stable

ACTA2 /// ACTA2 0.000169204 2.304621439 0.085783696 0.93208094 0.982383265 -6.987758898 stable

GFER -0.011058362 6.767347188 -0.085769379 0.932092247 0.982383265 -6.987760148 stable

ACOXL 0.002242755 3.778421157 0.085763695 0.932096736 0.982383265 -6.987760643 stable

ABTB2 0.008734233 3.741942289 0.085708452 0.932140365 0.982385228 -6.987765461 stable

OR51B4 -0.000137464 2.104047413 -0.085587142 0.932236171 0.982401647 -6.987776029 stable

ORMDL3 -0.009708024 10.30518667 -0.085582954 0.932239478 0.982401647 -6.987776394 stable

BCL2L2 -0.005059885 3.347068096 -0.085527803 0.932283036 0.982403534 -6.987781193 stable

C1orf52 0.003343654 10.43506496 0.085463665 0.93233369 0.982412899 -6.987786771 stable

AC092155.4 /// BC038779 -0.000214555 2.36930063 -0.085343054 0.932428947 0.982447416 -6.987797248 stable

NALCN-AS1 -0.000416524 2.402374527 -0.085291215 0.932469889 0.982447416 -6.987801747 stable

TAAR9 0.000113383 1.977560806 0.085177445 0.932559744 0.982447416 -6.98781161 stable

INTS8 -0.002889589 10.51256814 -0.085150583 0.93258096 0.982447416 -6.987813937 stable

MDFIC -0.00498499 3.258877535 -0.085128281 0.932598574 0.982447416 -6.987815869 stable

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LOC101929072 /// LOC285835 -0.02047106 8.158020419 -0.084926459 0.932757975 0.982447416 -6.987833324 stable

SHC2 0.001469049 3.75617934 0.084884688 0.932790967 0.982447416 -6.987836931 stable

EAF2 -0.001227817 2.693233784 -0.084856505 0.932813226 0.982447416 -6.987839364 stable

STBD1 -0.000455331 2.663599645 -0.084796374 0.932860719 0.982447416 -6.987844552 stable

CPT1C -0.000841589 3.637404161 -0.08474074 0.93290466 0.982447416 -6.987849349 stable

LOC101929459 0.000627931 3.076459232 0.084699708 0.932937068 0.982447416 -6.987852885 stable

ZFP62 -0.006365773 9.156519485 -0.084682865 0.932950371 0.982447416 -6.987854336 stable

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ACKR3 -0.000583233 3.163952006 -0.084523151 0.93307652 0.982447416 -6.98786808 stable

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GJA9 /// GJA9-MYCBP /// MYCBP -0.00587844 9.786194571 -0.084366508 0.933200244 0.982489725 -6.987881535 stable

RNGTT -0.007701139 9.039346651 -0.084243449 0.933297444 0.98250084 -6.987892087 stable

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NPEPL1 -0.009328796 8.302750305 -0.084191895 0.933338165 0.98250084 -6.987896504 stable

CEP85L 0.007971936 10.79894316 0.084109313 0.933403394 0.98250084 -6.987903572 stable

HSPBP1 -0.006199475 7.895417999 -0.084021865 0.933472467 0.98250084 -6.98791105 stable

SYCN -0.000119884 2.054746456 -0.08397879 0.933506491 0.98250084 -6.98791473 stable

CYP17A1 0.00366169 4.214793234 0.083960446 0.93352098 0.98250084 -6.987916297 stable

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ARL8A 0.004210467 10.03344206 0.083811666 0.9336385 0.982555309 -6.987928992 stable

NTM -0.001142407 2.37286081 -0.083694158 0.93373132 0.98256463 -6.987939003 stable

BC022892 -0.009453747 7.231254361 -0.083644901 0.933770228 0.98256463 -6.987943195 stable

TBC1D1 -0.008708206 6.99442578 -0.083641798 0.933772679 0.98256463 -6.987943459 stable

LOC402160 0.000856795 3.367341297 0.083490398 0.933892271 0.982581354 -6.987956328 stable

KRT14 0.000383722 2.882448642 0.083469752 0.933908579 0.982581354 -6.987958081 stable

AQP5 -0.000602355 2.855403059 -0.083463022 0.933913896 0.982581354 -6.987958652 stable

FGF10-AS1 0.000230959 2.574373236 0.083311141 0.93403387 0.982631918 -6.987971534 stable

AHRR 0.027195909 2.661489833 0.083296406 0.93404551 0.982631918 -6.987972783 stable

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MYOZ1 0.000374576 2.198473309 0.0829711 0.934302481 0.982739893 -6.988000291 stable

MINOS1P1 -0.011873078 6.676031862 -0.082890521 0.934366135 0.982739893 -6.988007089 stable

LOC101927705 /// P4HA2 0.002403554 3.468510847 0.082884505 0.934370887 0.982739893 -6.988007596 stable

TUT1 -0.004404239 7.635179776 -0.08288159 0.93437319 0.982739893 -6.988007841 stable

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OCR1 -0.000515689 2.721721948 -0.082668342 0.934541648 0.982790306 -6.988025796 stable

ECH1 0.003356849 10.2784567 0.082667153 0.934542587 0.982790306 -6.988025896 stable

HIST1H2AK 0.002021295 4.470835117 0.082629771 0.934572118 0.982790306 -6.988029039 stable

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PTP4A2 0.003927337 12.1996253 0.082245388 0.934875775 0.983021731 -6.98806127 stable

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TXN 0.005287906 11.70228284 0.08149791 0.9354663 0.983332707 -6.988123519 stable

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MARCKS 0.016136796 8.77107342 0.081379413 0.935559919 0.983332707 -6.988133335 stable

PSMA7 0.004275382 12.18449058 0.08126764 0.935648226 0.983332707 -6.988142581 stable

KRT31 -0.002123317 2.886746017 -0.081255497 0.93565782 0.983332707 -6.988143584 stable

FAM171B -0.015568579 2.866405378 -0.081236032 0.935673199 0.983332707 -6.988145193 stable

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TTC40 0.000117022 1.932936518 0.080646555 0.936138936 0.983334339 -6.988193726 stable

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SIRPB2 0.023814844 10.04417418 0.080510508 0.936246427 0.983334339 -6.988204877 stable

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VKORC1 0.004744909 10.23521203 0.080204839 0.936487944 0.983334339 -6.988229861 stable

P2RY10 0.009240781 10.27368611 0.080201388 0.936490671 0.983334339 -6.988230143 stable

RCHY1 0.006116326 7.410054508 0.080147793 0.936533017 0.983334339 -6.988234514 stable

RP11-410E4.1 0.001055488 3.370947282 0.080093016 0.936576299 0.983334339 -6.988238978 stable

RBMS3-AS3 0.000388801 2.43637127 0.080090789 0.936578059 0.983334339 -6.988239159 stable

DCST1 0.000108195 2.034774041 0.080069983 0.936594498 0.983334339 -6.988240854 stable

EIF2AK2 -0.005238991 9.494171519 -0.080014536 0.93663831 0.983336444 -6.988245369 stable

OLIG3 0.000277047 2.686385639 0.079910626 0.936720414 0.983345786 -6.98825382 stable

MYO5A -0.00617215 9.107304611 -0.079790448 0.936815374 0.983345786 -6.988263581 stable

TWSG1 0.017780906 6.547830224 0.079715022 0.936874972 0.983345786 -6.9882697 stable

HAGH 0.004381783 9.026079514 0.079645606 0.936929822 0.983345786 -6.988275326 stable

CATX-1 -0.000190765 2.365801128 -0.079628019 0.936943719 0.983345786 -6.988276751 stable

ALG10 0.000851505 2.481190227 0.079602952 0.936963526 0.983345786 -6.988278781 stable

LOC101929384 -0.000280241 2.472249534 -0.079597822 0.93696758 0.983345786 -6.988279196 stable

MRPL35 -0.004105552 9.49995301 -0.079539136 0.937013952 0.983345786 -6.988283946 stable

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KLF12 -0.017638911 7.749237538 -0.079297602 0.937204808 0.983356461 -6.988303458 stable

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KRTAP10-11 -0.002865002 4.154655261 -0.078918244 0.937504579 0.983392442 -6.988333984 stable

LRCH3 -0.008960446 6.667390423 -0.078705895 0.937672382 0.983392442 -6.988351007 stable

UBTD1 0.005207746 6.355968123 0.078653804 0.937713545 0.983392442 -6.988355176 stable

DDX19A /// DDX19B -0.003344659 8.796911683 -0.078600207 0.937755899 0.983392442 -6.988359463 stable

GAB2 -0.011805278 9.418907293 -0.078564803 0.937783877 0.983392442 -6.988362293 stable

C8orf44-SGK3 /// SGK3 -0.010571357 9.289484186 -0.078555137 0.937791515 0.983392442 -6.988363065 stable

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PNPLA1 0.00037137 2.835449287 0.078544897 0.937799608 0.983392442 -6.988363883 stable

INTS6 -0.001028306 3.134345714 -0.078519287 0.937819846 0.983392442 -6.988365929 stable

FEV 0.000175771 2.384190272 0.078518465 0.937820495 0.983392442 -6.988365995 stable

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KCTD15 0.015943574 5.24955854 0.078209795 0.938064422 0.983493433 -6.988390599 stable

TMCC2 0.003115739 4.132783953 0.078174806 0.938092073 0.983493433 -6.988393382 stable

ARHGEF34P /// OR2A4 /// OR2A7 0.002392418 2.281543719 0.078127349 0.938129576 0.983493433 -6.988397155 stable

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BPIFB9P /// BPIFB9P -0.000393217 2.613899126 -0.077564025 0.938574762 0.983574914 -6.988441761 stable

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HLA-DQB1 -0.096658031 8.343198801 -0.077485512 0.938636811 0.983574914 -6.988447952 stable

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S100A10 0.00484761 13.99809567 0.077411082 0.938695634 0.983574914 -6.988453816 stable

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LOC100130476 0.008913315 3.123495965 0.077239992 0.938830849 0.983574914 -6.988467273 stable

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GKN1 -0.000552908 2.834530027 -0.076917786 0.939085499 0.983606504 -6.988492535 stable

AKT1S1 0.002197981 4.103354328 0.076916892 0.939086206 0.983606504 -6.988492605 stable

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HEPACAM /// HEPN1 -0.000176908 2.558015811 -0.076006985 0.939805369 0.984076167 -6.988563375 stable

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SLC7A5 0.014131365 6.988446998 0.075775758 0.939988132 0.984076167 -6.988581225 stable

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NEDD9 -0.010189324 8.926452044 -0.07516486 0.940471006 0.984225834 -6.988628123 stable

STAB1 -0.000757159 2.455155447 -0.075119907 0.940506538 0.984225834 -6.988631559 stable

ZNF442 0.001857893 3.729622245 0.075077428 0.940540117 0.984225834 -6.988634804 stable

SCGB2B2 0.000371083 2.181931635 0.075019264 0.940586092 0.984230157 -6.988639244 stable

HOXA10-HOXA9 /// HOXA9 /// MIR196B -0.0019413 3.739717062 -0.074919938 0.940664606 0.984256055 -6.988646819 stable

GPBAR1 0.015729348 9.449946332 0.074834849 0.940731866 0.984256055 -6.988653299 stable

LOC100130428 -0.009021754 5.942000389 -0.074803766 0.940756436 0.984256055 -6.988655665 stable

LRP3 0.013177688 4.957459063 0.074771188 0.940782188 0.984256055 -6.988658143 stable

CTC-428G20.6 0.003295496 3.06455907 0.074723264 0.940820071 0.984256055 -6.988661787 stable

EDAR 0.01781938 6.735090266 0.074647377 0.940880058 0.984275033 -6.988667552 stable

RPH3A -0.027398522 6.809401685 -0.07451404 0.940985459 0.984321537 -6.988677668 stable

GTF3A -0.003756299 13.03240058 -0.074422081 0.941058152 0.984321537 -6.988684634 stable

RNFT1 /// TBC1D3P1-DHX40P1 0.004653488 9.789958184 0.074385396 0.941087152 0.984321537 -6.98868741 stable

IDH3G 0.003440973 11.36490918 0.074379381 0.941091906 0.984321537 -6.988687865 stable

SERPINB11 0.000204784 2.484471777 0.074272382 0.941176489 0.984366232 -6.988695955 stable

ZNF677 0.01052632 6.405217109 0.074189861 0.941241723 0.984390687 -6.988702186 stable

ARL5C -0.00016382 2.13222312 -0.073952212 0.941429588 0.98441839 -6.988720092 stable

AMELY -0.000745428 2.464234696 -0.073937213 0.941441445 0.98441839 -6.98872122 stable

RP3-476K8.3 -0.00465481 3.799602714 -0.073929002 0.941447936 0.98441839 -6.988721837 stable

N4BP2 0.007719175 8.054588824 0.073862108 0.941500818 0.98441839 -6.988726866 stable

CHEK2 -0.004551114 6.456660967 -0.07380937 0.941542509 0.98441839 -6.988730827 stable

ZMYND10 0.001537893 5.30552388 0.073741963 0.941595796 0.98441839 -6.988735885 stable

RP11-488L18.10 -0.008834429 9.464414481 -0.073732148 0.941603555 0.98441839 -6.988736621 stable

LOC102723932 -0.000163201 2.279954824 -0.073670529 0.941652268 0.98441839 -6.988741241 stable

ZG16B -0.020535185 4.373184054 -0.073619675 0.94169247 0.98441839 -6.988745051 stable

SON 0.003865382 11.11845115 0.073585042 0.941719849 0.98441839 -6.988747643 stable

TMEM8B -0.01006016 5.428040363 -0.073573983 0.941728591 0.98441839 -6.988748471 stable

PICALM -0.006318162 9.084648929 -0.073419372 0.941850819 0.984464592 -6.98876003 stable

GAS6 0.008300711 2.312833051 0.07338517 0.941877858 0.984464592 -6.988762584 stable

EPHA2 0.012294553 3.237890863 0.073359243 0.941898354 0.984464592 -6.988764519 stable

BPIFA2 -0.000618446 3.022092547 -0.073215145 0.942012273 0.984504042 -6.988775261 stable

ANKRD2 -0.003828846 3.468434859 -0.073091245 0.942110225 0.984504042 -6.988784481 stable

WNT9B 0.000146293 2.381412577 0.072922655 0.942243509 0.984504042 -6.988797001 stable

SLAMF8 -0.010366695 3.293509616 -0.072901895 0.942259922 0.984504042 -6.988798541 stable

FRAS1 0.000133869 2.110909373 0.072864733 0.942289301 0.984504042 -6.988801296 stable

AF075036 /// OR7D2 -0.000126135 2.29988312 -0.072840363 0.942308568 0.984504042 -6.988803102 stable

ROBO1 -0.018236592 5.353848283 -0.072725949 0.942399023 0.984504042 -6.988811572 stable

TRAV8-3 0.009926937 7.044234049 0.072672302 0.942441436 0.984504042 -6.98881554 stable

GZMK -0.013771806 11.51499778 -0.072672006 0.94244167 0.984504042 -6.988815562 stable

CNTF 0.000175866 2.021362429 0.072658445 0.942452391 0.984504042 -6.988816564 stable

TCR-alpha /// TRAV24 /// TRAV24 0.010551586 3.016219931 0.072599166 0.942499257 0.984504042 -6.988820943 stable

MSR1 0.006854622 2.343371356 0.072593624 0.942503639 0.984504042 -6.988821353 stable

IFT140 0.006075748 5.904550814 0.072433186 0.942630482 0.984504042 -6.988833187 stable

CDA 0.022193258 9.96215295 0.072393216 0.942662084 0.984504042 -6.988836131 stable

FAM26E 0.004179567 3.404784276 0.072387111 0.94266691 0.984504042 -6.988836581 stable

SPATC1L -0.021810976 7.690893044 -0.072355406 0.942691977 0.984504042 -6.988838915 stable

LOC100505874 -0.026660556 4.056391702 -0.072307709 0.942729687 0.984504042 -6.988842424 stable

LINC00396 /// RP11-472K17.1 0.000263256 2.616866733 0.072259404 0.942767878 0.984504042 -6.988845976 stable

TLR2 0.015194127 11.3029025 0.072259016 0.942768185 0.984504042 -6.988846004 stable

GLI4 /// ZFP41 -0.002071105 5.421900441 -0.07225264 0.942773226 0.984504042 -6.988846473 stable

TBC1D12 -0.005735513 4.210776743 -0.072169605 0.942838875 0.984517267 -6.988852572 stable

PSMB6 -0.003743533 11.34893861 -0.072052911 0.942931137 0.984517267 -6.988861132 stable

SLC47A1 0.007061133 2.861777509 0.072034447 0.942945736 0.984517267 -6.988862485 stable

APEH 0.004001289 9.739837043 0.071958421 0.943005845 0.984517267 -6.988868053 stable

COL4A1 -0.000698602 3.123174209 -0.071921604 0.943034954 0.984517267 -6.988870747 stable

MZT2A /// MZT2B /// PHGDH -0.005413886 11.20781058 -0.071918977 0.943037031 0.984517267 -6.988870939 stable

ROPN1L 0.002924463 2.464910665 0.071813542 0.943120393 0.984534502 -6.988878647 stable

PCDHB9 0.000580219 3.245755168 0.071739778 0.943178715 0.984534502 -6.988884033 stable

USF1 0.024812522 2.780599996 0.071739274 0.943179113 0.984534502 -6.988884069 stable

WBP2NL 0.003040727 3.09458309 0.07166447 0.943238258 0.984552545 -6.988889525 stable

CCR8 0.000360844 2.899469072 0.071568778 0.943313917 0.984587825 -6.988896496 stable

RIMS2 0.000159813 2.31079483 0.071472711 0.943389874 0.984588456 -6.988903486 stable

PRPF39 0.0070232 8.813899397 0.071410258 0.943439254 0.984588456 -6.988908024 stable

SLC7A7 0.010762342 11.45541237 0.071380263 0.94346297 0.984588456 -6.988910202 stable

TMEM127 0.005488623 10.10816432 0.071304303 0.94352303 0.984588456 -6.988915715 stable

RP11-727A23.11 0.002102032 3.081130821 0.071303303 0.943523821 0.984588456 -6.988915788 stable

VAC14-AS1 -0.000695666 2.862175702 -0.071118533 0.943669916 0.984662697 -6.988929172 stable

C1orf95 0.00021701 2.535113548 0.071107434 0.943678692 0.984662697 -6.988929975 stable

SLC5A8 -0.000269894 2.556352261 -0.070714967 0.943989016 0.984817049 -6.988958284 stable

YBEY -0.01463201 8.220180028 -0.07070634 0.943995838 0.984817049 -6.988958905 stable

DHRSX 0.01047508 7.077325171 0.070638175 0.944049737 0.984817049 -6.988963805 stable

LILRA3 0.045129002 9.359730832 0.070489811 0.944167051 0.984817049 -6.988974454 stable

CYP4X1 0.000313716 3.140294296 0.070479821 0.944174951 0.984817049 -6.988975171 stable

MFNG 0.003999703 10.30872852 0.070474577 0.944179097 0.984817049 -6.988975547 stable

CMTM8 -0.018829935 6.449783314 -0.070468388 0.944183991 0.984817049 -6.98897599 stable

CYP4Z2P 0.00035216 2.61926747 0.070336473 0.944288301 0.984817049 -6.988985437 stable

CCP110 -0.002740005 3.449860859 -0.070324805 0.944297527 0.984817049 -6.988986272 stable

GPR112 0.00010892 2.131437086 0.070298909 0.944318004 0.984817049 -6.988988124 stable

EIF5A -0.012960746 10.20475458 -0.070297706 0.944318956 0.984817049 -6.98898821 stable

RP11-157B13.7 -0.000196254 2.307247823 -0.070284932 0.944329056 0.984817049 -6.988989124 stable

MUC1 -0.002450984 3.034987783 -0.070210362 0.944388022 0.984834877 -6.988994452 stable

CECR1 0.006695766 13.17166034 0.070089242 0.944483796 0.984871691 -6.989003095 stable

GUSBP3 /// GUSBP9 -0.014000623 9.470600024 -0.06995644 0.94458881 0.984871691 -6.989012554 stable

DKFZP434H168 0.000590553 2.847163512 0.069951151 0.944592993 0.984871691 -6.989012931 stable

FBXL15 0.005061543 8.793911992 0.069888879 0.944642235 0.984871691 -6.98901736 stable

MTTP -0.000201703 2.700107924 -0.069882905 0.944646959 0.984871691 -6.989017785 stable

LOC100507336 -0.000608327 2.101771717 -0.069848006 0.944674555 0.984871691 -6.989020265 stable

XXYLT1 0.005784743 6.21424483 0.069710742 0.944783099 0.984941197 -6.989030008 stable

BMX 0.000268082 2.203830351 0.069629176 0.944847599 0.984964782 -6.989035788 stable

NCAPH 0.000226848 2.233329181 0.069117523 0.945252209 0.985218027 -6.989071895 stable

MGAT5 0.000122314 2.309852876 0.069111711 0.945256806 0.985218027 -6.989072304 stable

PPIH 0.003128866 9.761978199 0.069110206 0.945257996 0.985218027 -6.989072409 stable

1-Mar 0.018442387 7.950486274 0.069106764 0.945260718 0.985218027 -6.989072651 stable

BRCC3 -0.00448925 7.896259423 -0.069015987 0.945332505 0.985218027 -6.989079029 stable

LOC100288860 -0.000354137 2.709051087 -0.068945759 0.945388042 0.985218027 -6.989083956 stable

LOC101927362 0.000151503 2.255268502 0.06879489 0.945507352 0.985218027 -6.989094526 stable

ABCB11 -0.000231071 2.55727547 -0.068792963 0.945508876 0.985218027 -6.989094661 stable

DAPK3 9.51E-05 1.76061136 0.068789543 0.945511581 0.985218027 -6.9890949 stable

ASPRV1 -0.003348308 2.910538841 -0.068687227 0.945592495 0.985218027 -6.989102054 stable

RPL14 0.002413933 14.68931295 0.068680356 0.945597928 0.985218027 -6.989102534 stable

POM121L8P 0.000476876 3.042574861 0.068474982 0.945760345 0.985218027 -6.989116861 stable

AK2 -0.003094568 10.60197186 -0.068467269 0.945766445 0.985218027 -6.989117398 stable

RP11-426C22.5 0.008953349 6.538944016 0.068389978 0.94582757 0.985218027 -6.989122778 stable

ADORA3 -0.010826178 2.467530996 -0.068365493 0.945846934 0.985218027 -6.989124481 stable

RHBDF1 -0.000116499 2.223869454 -0.068345637 0.945862636 0.985218027 -6.989125862 stable

CD8B -9.08E-05 1.994691338 -0.068244584 0.945942554 0.985218027 -6.989132882 stable

YAP1 -0.000235987 3.008489492 -0.068205771 0.94597325 0.985218027 -6.989135576 stable

RAB3GAP2 -0.002048284 3.577629828 -0.068187518 0.945987686 0.985218027 -6.989136842 stable

PITRM1 -0.003788874 9.856097137 -0.068112785 0.946046788 0.985218027 -6.989142023 stable

CCDC37 -0.001744754 3.139432941 -0.068104587 0.946053272 0.985218027 -6.989142591 stable

YLPM1 -0.003311814 10.21007821 -0.068002113 0.946134315 0.985218027 -6.989149685 stable

RP1-142L7.8 0.00032576 2.922869023 0.067991446 0.946142751 0.985218027 -6.989150423 stable

GPR124 0.012428226 6.239738131 0.067960578 0.946167163 0.985218027 -6.989152557 stable

ANK3 -0.014891673 8.373938498 -0.067894067 0.946219765 0.985218027 -6.989157153 stable

ATP5B 0.002362263 12.44225912 0.06788751 0.946224951 0.985218027 -6.989157606 stable

TRAF7 -0.003423092 8.208053443 -0.067842561 0.9462605 0.985218027 -6.989160709 stable

VWDE -0.002121682 2.880104124 -0.067838947 0.946263359 0.985218027 -6.989160958 stable

LOC101927929 0.00336043 3.525119462 0.067774749 0.946314131 0.985227279 -6.989165386 stable

RP11-108B14.5 -0.000414713 2.542229947 -0.067711978 0.946363776 0.985228631 -6.989169712 stable

OR2H4P /// OR2H4P 8.85E-05 2.003064941 0.067642039 0.946419089 0.985228631 -6.989174527 stable

CTB-174D11.1 9.12E-05 2.055765427 0.067597602 0.946454233 0.985228631 -6.989177583 stable

MC1R 0.008702307 4.834005446 0.067561256 0.946482979 0.985228631 -6.989180082 stable

MYBPH 0.000183999 2.388717115 0.067437632 0.946580753 0.985233248 -6.98918857 stable

SLC25A5-AS1 -0.00160533 4.966432916 -0.067404677 0.946606817 0.985233248 -6.98919083 stable

ACYP1 0.005853211 8.524116016 0.067396762 0.946613077 0.985233248 -6.989191373 stable

SELENBP1 -0.027800215 3.262031766 -0.067074606 0.946867873 0.985419262 -6.989213407 stable

LOC100506699 0.000212645 2.703550583 0.067064849 0.946875589 0.985419262 -6.989214072 stable

LINC00970 0.000581139 3.37384583 0.066855077 0.947041503 0.985522664 -6.989228361 stable

BEX1 0.003837795 4.167677991 0.066797806 0.947086801 0.985522664 -6.989232254 stable

SYT9 8.55E-05 2.019991841 0.06672911 0.947141134 0.985522664 -6.989236919 stable

LOC399900 -0.008892154 4.879497519 -0.066727326 0.947142546 0.985522664 -6.98923704 stable

NALCN -9.26E-05 2.041315545 -0.066625727 0.947222904 0.985562679 -6.989243931 stable

TSC2 0.005932325 2.432435365 0.066570868 0.947266294 0.985564228 -6.989247648 stable

CES1 /// LOC100653057 -0.023979158 9.687095248 -0.066440144 0.94736969 0.985628206 -6.989256491 stable

TFPI 0.003305651 3.324490615 0.066341908 0.94744739 0.985665446 -6.989263126 stable

HECW1 -0.000164911 2.317029499 -0.066231347 0.947534839 0.985712824 -6.989270581 stable

MUC12 -9.51E-05 2.269774655 -0.06585816 0.94783002 0.98579918 -6.989295653 stable

AFF1 0.003004455 11.50012736 0.065850163 0.947836346 0.98579918 -6.989296189 stable

USP32P2 0.009829722 10.11869345 0.065738994 0.947924279 0.98579918 -6.989303629 stable

TIMMDC1 -0.003159209 10.69547877 -0.065709768 0.947947396 0.98579918 -6.989305583 stable

KCTD17 8.45E-05 1.966164224 0.065672629 0.947976773 0.98579918 -6.989308065 stable

HCG27 -0.014438102 6.276227285 -0.065662883 0.947984482 0.98579918 -6.989308716 stable

HSPA9 -0.004209759 7.20582663 -0.06563061 0.94801001 0.98579918 -6.989310871 stable

MAN1B1 0.002522348 8.46564174 0.065601609 0.948032949 0.98579918 -6.989312807 stable

HSPBAP1 -0.005052233 9.145117542 -0.065588065 0.948043663 0.98579918 -6.98931371 stable

BEND7 -0.000141601 2.538719447 -0.065581747 0.94804866 0.98579918 -6.989314132 stable

COPS2 0.002507424 11.80024798 0.06551633 0.948100405 0.98579918 -6.989318494 stable

LOC101928132 -0.000140336 2.261089667 -0.065490562 0.948120788 0.98579918 -6.989320211 stable

ALDH18A1 0.005297297 9.261179566 0.065350857 0.948231295 0.985870499 -6.989329508 stable

RP11-613M5.1 0.002789077 3.44511981 0.065180019 0.94836643 0.985967415 -6.98934085 stable

LRRC37A2 /// LRRC37A4P -0.036193816 8.221018754 -0.064939466 0.948556713 0.986121655 -6.98935677 stable

SEC14L1P1 0.010192267 5.452218631 0.064833119 0.948640837 0.986165524 -6.989363789 stable

GLI2 0.000183196 2.528005866 0.064699634 0.94874643 0.986202873 -6.989372584 stable

DCP1B 0.003247788 8.189990129 0.064681692 0.948760622 0.986202873 -6.989373765 stable

C4orf33 0.007104271 8.147744894 0.064452093 0.948942247 0.986348075 -6.989388845 stable

7-Mar 0.001070977 3.375885199 0.064393367 0.948988703 0.986352774 -6.989392693 stable

RNF128 0.000254052 2.958696812 0.064125473 0.949200625 0.986529446 -6.989410205 stable

SALL4 0.000154037 2.409544832 0.063972 0.949322034 0.986592251 -6.989420204 stable

SLC10A1 0.000655502 2.885115151 0.06394304 0.949344944 0.986592251 -6.989422088 stable

PTRH1 -0.000253395 2.792293008 -0.06384124 0.949425476 0.986632351 -6.989428705 stable

LINC00842 8.73E-05 2.176698802 0.063695778 0.94954055 0.986652705 -6.98943814 stable

ENOPH1 0.00312083 10.35743848 0.063671385 0.949559847 0.986652705 -6.989439721 stable

IL1RAPL2 -0.000145761 2.237804758 -0.063647379 0.949578839 0.986652705 -6.989441275 stable

CCPG1 /// DYX1C1-CCPG1 -0.007450633 8.56738138 -0.063553662 0.949652978 0.986652705 -6.989447338 stable

CORO1B -0.005623672 8.398034084 -0.063551357 0.949654802 0.986652705 -6.989447487 stable

LOC646743 /// TISP43 -0.003183769 3.4823362 -0.063462044 0.949725458 0.98668253 -6.989453257 stable

ZDHHC11 /// ZDHHC11B -0.002358857 3.649657658 -0.06334657 0.94981681 0.98670743 -6.989460705 stable

RP11-619L19.1 -0.000141025 2.401367609 -0.063325696 0.949833324 0.98670743 -6.98946205 stable

FAM117A -0.003807093 11.66994338 -0.063206044 0.949927983 0.986762182 -6.98946975 stable

FAM189B -0.004343381 4.892915778 -0.062968108 0.95011622 0.986870844 -6.98948502 stable

PRLHR 0.000127885 2.486747721 0.062912776 0.950159996 0.986870844 -6.989488563 stable

ANKRD23 /// ANKRD39 0.004779359 2.605365584 0.062903618 0.950167241 0.986870844 -6.989489149 stable

LINC00511 /// LINC00673 9.99E-05 2.210861365 0.062861684 0.950200416 0.986870844 -6.989491831 stable

LOC101929335 9.98E-05 2.213588186 0.062754128 0.950285509 0.986888764 -6.989498703 stable

MRPL52 0.001183469 4.65589776 0.062733806 0.950301586 0.986888764 -6.9895 stable

IGSF3 8.69E-05 2.077060701 0.062664921 0.950356084 0.986892252 -6.989504394 stable

VWA5A 0.007083894 5.877061684 0.062623493 0.950388861 0.986892252 -6.989507034 stable

GPR115 8.77E-05 2.168768822 0.062506255 0.950481614 0.986910861 -6.989514495 stable

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S1PR4 -0.004486145 10.81801368 -0.062441737 0.950532658 0.986910861 -6.989518595 stable

PRM2 0.000189751 2.472203264 0.062296377 0.950647661 0.986955542 -6.989527818 stable

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RP1-192P9.1 -0.000100577 2.257750672 -0.062225762 0.95070353 0.986955542 -6.98953229 stable

STK24-AS1 0.00050446 2.813409478 0.06211336 0.950792459 0.986955542 -6.989539399 stable

AC018766.6 -9.88E-05 2.134700495 -0.062090009 0.950810934 0.986955542 -6.989540874 stable

CST3 0.007234886 13.33627889 0.061924865 0.950941593 0.986955542 -6.989551291 stable

RP11-708J19.1 0.001468108 3.030164472 0.061918276 0.950946806 0.986955542 -6.989551706 stable

LOC151760 0.000518928 2.631684623 0.061914304 0.950949949 0.986955542 -6.989551956 stable

PWAR5 -0.00887653 3.942375673 -0.061910021 0.950953337 0.986955542 -6.989552225 stable

ZNF585A 0.002111368 3.458165778 0.061635596 0.951170461 0.987128514 -6.98956947 stable

RP11-480D4.6 0.003353104 3.010674926 0.061593287 0.951203936 0.987128514 -6.989572122 stable

RPTN -0.000241314 2.454074757 -0.061517177 0.951264154 0.987147453 -6.989576888 stable

COX6B2 0.000325408 2.731616102 0.061423964 0.951337906 0.987180433 -6.989582716 stable

PRKAG2 0.005765597 4.428255795 0.061280771 0.951451202 0.987211874 -6.989591653 stable

TBCAP2 /// TBCAP2 -0.001355315 3.472919648 -0.061236004 0.951486622 0.987211874 -6.989594443 stable

MOP-1 0.001357675 2.927178682 0.061215149 0.951503123 0.987211874 -6.989595742 stable

COX7A1 0.000101998 2.445173012 0.061169938 0.951538895 0.987211874 -6.989598556 stable

GUSBP3 /// SMA4 /// SMA5 0.01005758 9.106639105 0.061120436 0.951578062 0.987211874 -6.989601635 stable

SYK 0.005349076 11.0945899 0.061052175 0.951632073 0.987224363 -6.989605877 stable

KIF22 -0.004024619 8.447058704 -0.060989384 0.951681755 0.987232361 -6.989609774 stable

PRIM2 /// PRIM2B 0.000336202 2.745552673 0.060769577 0.951855675 0.987346908 -6.989623387 stable

SRMS 0.000169505 2.511671854 0.060743724 0.951876131 0.987346908 -6.989624985 stable

LOC100506282 -0.007430616 4.908507306 -0.060684673 0.951922855 0.987351831 -6.989628632 stable

S1PR3 -0.019903456 8.731089541 -0.060556808 0.952024028 0.987388764 -6.989636517 stable

LOC257152 0.001270423 3.147393077 0.060527928 0.952046879 0.987388764 -6.989638296 stable

TSHZ2 -0.000359812 3.183769776 -0.060356459 0.952182556 0.987388764 -6.989648838 stable

SIX3-AS1 -0.001216645 2.859591016 -0.0603395 0.952195975 0.987388764 -6.98964988 stable

ZNF91 0.002583334 3.82992322 0.060271011 0.952250168 0.987388764 -6.989654081 stable

RAB25 -9.68E-05 2.236208652 -0.060261947 0.95225734 0.987388764 -6.989654637 stable

RPS27 0.000761247 16.05524269 0.060255982 0.95226206 0.987388764 -6.989655002 stable

IDH1-AS1 -0.001589556 2.875875167 -0.060215244 0.952294295 0.987388764 -6.989657499 stable

SYNGR3 0.004067621 3.830163678 0.060005765 0.95246005 0.987493951 -6.989670308 stable

CMTM2 0.018346123 7.855945008 0.059980919 0.952479711 0.987493951 -6.989671824 stable

SEMA6B -0.001096618 2.836811331 -0.05977047 0.952646237 0.987531556 -6.989684642 stable

LOC100505474 -0.000110959 2.33991702 -0.059750739 0.95266185 0.987531556 -6.989685842 stable

LOC101928560 0.00032521 2.795886804 0.059724345 0.952682735 0.987531556 -6.989687446 stable

CBR1 0.009484838 7.264878495 0.059656586 0.952736353 0.987531556 -6.98969156 stable

TSC22D1-AS1 9.23E-05 2.25195642 0.059646174 0.952744591 0.987531556 -6.989692192 stable

GS1-600G8.3 -0.000147393 2.29433862 -0.059566783 0.952807414 0.987531556 -6.989697006 stable

SPATS2 0.001312235 3.285450519 0.059563669 0.952809877 0.987531556 -6.989697194 stable

NOP16 0.003469086 8.029786411 0.059351205 0.952978002 0.987622116 -6.989710045 stable

ACPT 0.004647579 3.224122608 0.059310767 0.953010002 0.987622116 -6.989712486 stable

DUX1 /// DUX3 /// DUX5 -0.000219536 2.517207275 -0.059294062 0.95302322 0.987622116 -6.989713493 stable

ACTL8 -0.000417883 2.373741954 -0.059234676 0.953070214 0.987627302 -6.989717074 stable

SEMA3C -0.005953526 3.784714302 -0.058993027 0.953261436 0.987781939 -6.989731605 stable

EFCAB4B 0.002866888 3.820660931 0.058907819 0.953328864 0.987808291 -6.989736715 stable

OR2S2 -8.31E-05 2.007426514 -0.058783697 0.953427086 0.987866547 -6.989744145 stable

USP44 0.009219022 5.966115674 0.05872767 0.953471423 0.987868969 -6.989747494 stable

RALGAPA2 0.002478977 9.484919566 0.058645011 0.953536834 0.987893225 -6.989752428 stable

CEACAM3 -0.006610435 3.9052883 -0.058486305 0.953662427 0.987902715 -6.989761884 stable

FLJ16124 /// LOC101927533 0.000101079 2.240831576 0.058473479 0.953672577 0.987902715 -6.989762647 stable

LOC100505938 0.000170374 2.644304469 0.058456462 0.953686043 0.987902715 -6.989763659 stable

MSX2 0.000565016 2.90135675 0.05827479 0.953829812 0.987902715 -6.989774445 stable

TNFSF12-TNFSF13 /// TNFSF13 -0.010781564 10.86218761 -0.058176809 0.95390735 0.987902715 -6.989780249 stable

RTP3 0.000184723 2.649852398 0.05812174 0.95395093 0.987902715 -6.989783506 stable

HERC2P5 /// HERC2P5 /// HERC2P8 /// HERC2P8 -7.49E-05 2.018520063 -0.058053884 0.954004629 0.987902715 -6.989787516 stable

APOL3 -0.004292031 10.18094585 -0.058016004 0.954034607 0.987902715 -6.989789752 stable

FIP1L1 0.003928055 7.571629216 0.058012463 0.954037409 0.987902715 -6.989789961 stable

CBX3 -0.004876006 8.734602152 -0.057978597 0.95406421 0.987902715 -6.989791959 stable

MIR6872 /// SEMA3B -0.001143395 2.768688276 -0.057974819 0.9540672 0.987902715 -6.989792182 stable

ATP2B2 -0.000465062 2.685093474 -0.057961041 0.954078104 0.987902715 -6.989792994 stable

PDE4DIP -0.008044487 5.11171246 -0.0578843 0.954138834 0.987902715 -6.989797516 stable

SSBP3-AS1 -0.007953163 7.876841465 -0.057848779 0.954166945 0.987902715 -6.989799607 stable

TGM3 -0.000165167 2.445120828 -0.057784866 0.954217525 0.987902715 -6.989803366 stable

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LOC100131043 0.012025676 3.965258944 0.057731183 0.954260009 0.987902715 -6.98980652 stable

C22orf42 0.000161748 2.183043351 0.057651845 0.954322797 0.987924234 -6.989811176 stable

SPATA3 0.000614831 3.262342432 0.057318557 0.954586562 0.98811135 -6.989830666 stable

CISD2 0.003657835 6.029788877 0.057284211 0.954613743 0.98811135 -6.989832668 stable

RP11-96D1.11 0.004538422 2.94949265 0.057264202 0.954629579 0.98811135 -6.989833834 stable

CYP24A1 -0.000618508 3.132912144 -0.057168846 0.954705045 0.988126487 -6.989839384 stable

MRPL20 -0.002114863 11.46837138 -0.057139558 0.954728224 0.988126487 -6.989841087 stable

ZMYM6 0.004097105 3.935009522 0.056927956 0.95489569 0.988244709 -6.989853364 stable

LOC100506504 0.000582252 2.225336695 0.056889052 0.95492648 0.988244709 -6.989855616 stable

B4GALNT4 0.001616133 2.598799968 0.056340288 0.955360795 0.98864319 -6.989887221 stable

OR10D3 -0.001309431 3.703291583 -0.056287418 0.95540264 0.98864319 -6.989890249 stable

SNORA29 /// TCP1 0.001654397 11.86726163 0.056243215 0.955437624 0.98864319 -6.989892779 stable

ANKLE1 -0.008842318 5.993048853 -0.05607323 0.955572161 0.988712284 -6.98990249 stable

PAPD7 -0.004154721 10.13035505 -0.056052626 0.955588468 0.988712284 -6.989903665 stable

RP11-5N11.2 0.000342268 2.489194904 0.055889685 0.955717431 0.988750408 -6.989912943 stable

NEK4 -0.000510428 2.507240848 -0.055845999 0.955752008 0.988750408 -6.989915426 stable

RHBDF2 0.002556432 10.80827022 0.055792645 0.955794237 0.988750408 -6.989918455 stable

MT1E 0.00509219 7.751892622 0.055731989 0.955842245 0.988750408 -6.989921896 stable

BRF1 -0.006173163 6.39874791 -0.055724231 0.955848384 0.988750408 -6.989922336 stable

CD93 0.009899156 10.33045046 0.055622278 0.955929079 0.988750408 -6.98992811 stable

KRT16 0.000159404 2.596362111 0.055564415 0.955974877 0.988750408 -6.989931382 stable

ODF2 -0.002812569 8.096063 -0.055532055 0.95600049 0.988750408 -6.989933211 stable

LOC339468 0.000426215 2.968546182 0.0555092 0.956018579 0.988750408 -6.989934502 stable

GALNT18 0.000792158 2.807078582 0.055430193 0.956081112 0.988750408 -6.98993896 stable

KIAA1614 -7.48E-05 1.878009101 -0.055394243 0.956109567 0.988750408 -6.989940986 stable

LOC101928790 7.70E-05 2.062112082 0.055338477 0.956153706 0.988750408 -6.989944127 stable

TMEM114 -0.000254803 2.884176028 -0.055273319 0.956205279 0.988750408 -6.989947793 stable

PCF11 -0.002262995 11.27423407 -0.055262513 0.956213832 0.988750408 -6.989948401 stable

C2orf70 0.000285071 2.907544381 0.055018603 0.956406888 0.988779261 -6.989962082 stable

VSTM1 0.020213359 7.791555983 0.055017267 0.956407946 0.988779261 -6.989962157 stable

FTX -0.006692984 8.761054204 -0.054994007 0.956426356 0.988779261 -6.989963459 stable

LOC283693 0.000722833 3.326021109 0.054990452 0.95642917 0.988779261 -6.989963657 stable

LOC101927396 -0.000260783 2.86531993 -0.054961703 0.956451925 0.988779261 -6.989965265 stable

MRPS11P1 /// MRPS11P1 -0.000254526 2.870767343 -0.054875874 0.95651986 0.988806032 -6.98997006 stable

SNX30 -0.004172094 9.353574405 -0.054700366 0.95665878 0.988840158 -6.989979842 stable

HAPLN2 0.000167401 2.506745519 0.054626142 0.95671753 0.988840158 -6.98998397 stable

DOT1L 8.05E-05 2.00229555 0.0546161 0.956725478 0.988840158 -6.989984528 stable

DCTN3 -0.00258947 11.03376941 -0.054541753 0.956784327 0.988840158 -6.989988655 stable

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LOC101928554 -8.26E-05 2.248893902 -0.05428587 0.956986869 0.988840158 -6.99000282 stable

POLR2H -0.002723757 9.521610596 -0.054271561 0.956998195 0.988840158 -6.99000361 stable

TXNRD3 /// TXNRD3NB -0.001872846 2.278296864 -0.054247972 0.957016867 0.988840158 -6.990004912 stable

MYH8 0.002350166 3.691484652 0.05408965 0.957142187 0.988840158 -6.990013636 stable

BC027448 0.002690058 3.845608642 0.054071993 0.957156163 0.988840158 -6.990014607 stable

C6orf89 0.003179788 3.794816987 0.054026275 0.957192352 0.988840158 -6.990017121 stable

LOC101930630 /// STRC 0.00238314 2.296303002 0.054022724 0.957195162 0.988840158 -6.990017316 stable

RGSL1 0.000198925 2.700398818 0.053984695 0.957225265 0.988840158 -6.990019405 stable

CDC42SE2 -0.011282226 11.30521046 -0.053959038 0.957245574 0.988840158 -6.990020814 stable

HIGD2A 0.002457972 3.426873115 0.053919193 0.957277114 0.988840158 -6.990023 stable

CCL7 -0.00042232 3.287250992 -0.0538551 0.957327848 0.988840158 -6.990026514 stable

LMAN2L -0.004132394 7.420247253 -0.053771947 0.957393668 0.988840158 -6.990031066 stable

CYP3A43 -0.000132415 2.490237603 -0.053719202 0.95743542 0.988840158 -6.99003395 stable

OR1J4 0.000800129 3.69969477 0.053707189 0.957444929 0.988840158 -6.990034606 stable

C19orf44 -0.000240739 2.433327923 -0.053674085 0.957471133 0.988840158 -6.990036414 stable

GPR153 -0.003388721 6.156854882 -0.05363653 0.957500861 0.988840158 -6.990038464 stable

LOC101929549 -7.87E-05 1.948540362 -0.05349655 0.957611666 0.988840158 -6.990046092 stable

TMEM170B -0.009677646 9.986505428 -0.053471406 0.957631569 0.988840158 -6.99004746 stable

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GUSBP1 /// GUSBP4 /// LOC100996497 0.010776774 7.040226811 0.053393425 0.957693298 0.988840158 -6.990051699 stable

LOC100507250 0.003146444 4.175510047 0.053365636 0.957715296 0.988840158 -6.990053208 stable

NACAD -0.000110404 2.422162981 -0.053304253 0.957763886 0.988840158 -6.990056538 stable

LINC00526 -0.006310806 6.950221314 -0.05329068 0.95777463 0.988840158 -6.990057274 stable

MTPAP -0.003254788 8.123677056 -0.053232466 0.957820711 0.988840158 -6.990060428 stable

RP3-522P13.1 -0.001791673 4.122510855 -0.0531198 0.957909897 0.988840158 -6.990066523 stable

LOC284788 0.000131223 2.563585008 0.053111474 0.957916489 0.988840158 -6.990066973 stable

OSER1-AS1 0.006022537 7.429105847 0.053014127 0.957993549 0.988840158 -6.990072227 stable

MBTPS2 /// YY2 0.004438466 5.939669255 0.052962838 0.958034149 0.988840158 -6.990074992 stable

HCP5B 0.000296887 2.166378101 0.052862742 0.958113385 0.988840158 -6.99008038 stable

BDH1 0.000128175 2.481518031 0.052861167 0.958114632 0.988840158 -6.990080465 stable

GML 6.95E-05 1.995125108 0.052847421 0.958125514 0.988840158 -6.990081204 stable

LOC101928123 -0.000747621 2.578500452 -0.052842543 0.958129375 0.988840158 -6.990081466 stable

EMR1 0.01258462 9.731238391 0.052815957 0.958150421 0.988840158 -6.990082895 stable

MAGOHB 0.0051275 5.702463196 0.05266649 0.958268741 0.988890994 -6.990090914 stable

LOC101927479 -0.000111193 2.211299387 -0.052590213 0.958329123 0.988890994 -6.990094998 stable

CD1D -0.010006171 10.86742422 -0.052554088 0.958357721 0.988890994 -6.99009693 stable

CCDC129 -0.000391296 3.146374647 -0.052541292 0.958367851 0.988890994 -6.990097614 stable

AC007364.1 /// FLJ32955 -0.000238121 2.793286255 -0.052429018 0.958456729 0.988904532 -6.990103608 stable

RP11-69I8.2 0.000549846 3.564547405 0.052266668 0.95858525 0.988904532 -6.990112254 stable

TLDC2 -0.000158832 2.652698534 -0.052252354 0.958596582 0.988904532 -6.990113015 stable

APOF -0.000222257 2.727276912 -0.052234761 0.958610509 0.988904532 -6.99011395 stable

MRPS5 0.001524524 10.59182981 0.052203243 0.95863546 0.988904532 -6.990115624 stable

FASN -0.00430081 8.739955511 -0.052134644 0.958689766 0.988904532 -6.990119265 stable

LINC01361 -0.000120037 2.453104996 -0.05208501 0.958729058 0.988904532 -6.990121896 stable

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PLXNB2 -0.008025469 11.87131369 -0.052009724 0.958788657 0.988904532 -6.990125882 stable

TSPO -0.006328589 12.1865232 -0.051993621 0.958801406 0.988904532 -6.990126734 stable

GLT8D1 -0.002823138 10.10678047 -0.05191948 0.958860099 0.988921704 -6.990130652 stable

SPANXB1 0.000749826 3.543424339 0.051728076 0.959011624 0.988994537 -6.990140743 stable

TKT 0.006350091 13.04807556 0.051658512 0.959066696 0.988994537 -6.990144401 stable

IKZF2 -0.001058996 2.585869829 -0.051654779 0.95906965 0.988994537 -6.990144597 stable

TCEANC2 0.000322911 2.527940366 0.051608614 0.959106198 0.988994537 -6.990147022 stable

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GCFC2 -0.002494964 7.556821527 -0.051338518 0.959320023 0.988994537 -6.990161165 stable

GSTM1 0.013730052 8.526192744 0.051287933 0.959360071 0.988994537 -6.990163806 stable

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MCAM /// MIR6756 7.13E-05 1.969288154 0.051248483 0.959391302 0.988994537 -6.990165863 stable

CTSB -0.007444619 11.93016165 -0.05124144 0.959396878 0.988994537 -6.99016623 stable

USP14 0.00392658 9.995108733 0.051214148 0.959418484 0.988994537 -6.990167653 stable

CSPG4P5 0.00020667 2.563882017 0.051121997 0.959491438 0.988994537 -6.990172449 stable

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PARVA 0.000112301 2.236780595 0.051086704 0.95951938 0.988994537 -6.990174284 stable

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PTBP1 -0.001364281 12.0995014 -0.050158039 0.960254606 0.989482006 -6.990222108 stable

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KLK14 0.00035931 3.000313038 0.049846988 0.960500874 0.989572538 -6.99023793 stable

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RDH8 -0.001039572 2.512491304 -0.049042079 0.961138161 0.98987759 -6.990278417 stable

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TPTEP1 -7.95E-05 2.220811285 -0.048787489 0.961339739 0.989959809 -6.990291085 stable

ZPR1 -0.00422647 8.590920656 -0.04872801 0.961386833 0.989964963 -6.990294035 stable

TCF7L1 -0.000127676 2.375089552 -0.048669888 0.961432852 0.989969011 -6.990296915 stable

RAB3D -0.010602764 8.4266888 -0.04859194 0.96149457 0.989989222 -6.990300771 stable

GMPR2 -0.002754147 10.29142233 -0.048331041 0.961701148 0.990013032 -6.990313633 stable

MORC4 -0.007718195 5.341738868 -0.048267419 0.961751523 0.990013032 -6.990316759 stable

OLFML2A 6.34E-05 1.96563732 0.04818279 0.961818533 0.990013032 -6.990320911 stable

DSCAML1 0.00128536 3.048536245 0.048163639 0.961833696 0.990013032 -6.990321849 stable

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HLA-DRB4 -0.062132703 10.13346435 -0.048051681 0.961922345 0.990013032 -6.990327329 stable

YIPF3 0.003463616 9.082089204 0.047985493 0.961974753 0.990013032 -6.990330562 stable

ADRA1A -0.000178952 2.889242892 -0.047914091 0.96203129 0.990013032 -6.990334045 stable

CYP2A7 -0.000126978 2.372156604 -0.047891863 0.96204889 0.990013032 -6.990335128 stable

MIR6840 /// PILRB /// STAG3L5P-PVRIG2P-PILRB -0.004619323 10.7234485 -0.047836052 0.962093082 0.990013032 -6.990337845 stable

KMT2E 0.00352382 11.97108803 0.04770495 0.962196891 0.990013032 -6.990344217 stable

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LOC101927766 -0.000889718 2.483858887 -0.04762461 0.962260506 0.990013032 -6.990348112 stable

NEK9 0.001834729 10.48750084 0.047578542 0.962296983 0.990013032 -6.990350343 stable

SDF4 0.002247266 11.00354565 0.047574934 0.96229984 0.990013032 -6.990350518 stable

EDN2 -0.000262955 2.734135075 -0.047563049 0.962309251 0.990013032 -6.990351093 stable

CNTN2 -0.000166474 2.748441337 -0.047545324 0.962323286 0.990013032 -6.99035195 stable

LOC286437 -0.003300517 8.312264166 -0.047476461 0.962377814 0.990013032 -6.990355279 stable

STRIP2 -0.000221511 2.614067125 -0.047454622 0.962395106 0.990013032 -6.990356333 stable

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PRKD2 -0.003665511 10.29092644 -0.047393268 0.962443688 0.990013032 -6.990359293 stable

LINC00210 -0.00022508 3.02090301 -0.047270107 0.962541211 0.990036158 -6.990365223 stable

NOXRED1 8.14E-05 2.303237875 0.047258562 0.962550353 0.990036158 -6.990365778 stable

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SSR2 0.001677598 12.97416553 0.047069131 0.962700352 0.990103847 -6.990374867 stable

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AA06 0.000335346 2.601746771 0.046961779 0.962785359 0.990104688 -6.990380002 stable

RAPGEF4-AS1 0.000201642 2.274317883 0.04688025 0.962849917 0.990127788 -6.990383893 stable

AFF2 -7.02E-05 2.125035651 -0.04672064 0.962976305 0.990173201 -6.990391492 stable

SLC25A35 -0.004488339 5.859876865 -0.046701807 0.962991218 0.990173201 -6.990392387 stable

NAF1 -0.003907958 6.202159368 -0.046656559 0.963027049 0.990173201 -6.990394536 stable

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CD99 0.003552032 12.23928581 0.046558666 0.963104566 0.990173201 -6.990399177 stable

LMOD1 0.000927179 2.207764798 0.046439981 0.963198548 0.990189375 -6.990404792 stable

MUM1 0.004035442 7.614188524 0.046359535 0.963262251 0.990189375 -6.990408589 stable

SPECC1 0.007325201 6.278585606 0.04634171 0.963276367 0.990189375 -6.990409429 stable

TYRO3 0.000101711 2.205068851 0.046326147 0.96328869 0.990189375 -6.990410163 stable

SH3D21 -0.002335382 2.973761631 -0.046268818 0.963334088 0.990192766 -6.990412863 stable

SOX21-AS1 0.000157078 2.615104443 0.046124534 0.963448342 0.990196263 -6.990419644 stable

ENAM 0.00018624 2.798517655 0.046081263 0.963482608 0.990196263 -6.990421673 stable

ASPHD2 0.006792947 7.969899511 0.046023907 0.963528028 0.990196263 -6.99042436 stable

FCGR2C 0.008387205 10.39123369 0.045993517 0.963552092 0.990196263 -6.990425782 stable

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PSORS1C3 -8.59E-05 2.313468458 -0.045808845 0.963698332 0.990220981 -6.990434406 stable

INPP5K -0.002412818 8.911413889 -0.045747144 0.963747193 0.990227928 -6.990437279 stable

CEP57 0.00249935 9.136650654 0.045643453 0.963829305 0.990269038 -6.990442099 stable

BC043291 -0.000204317 2.614130532 -0.045429267 0.963998919 0.990344719 -6.990452021 stable

RNASET2 -0.002123059 3.330725906 -0.045311476 0.964092199 0.990344719 -6.990457458 stable

SPRR2G 0.00056634 2.620932785 0.045306823 0.964095884 0.990344719 -6.990457672 stable

LOC400756 0.000183705 2.622283224 0.045286154 0.964112252 0.990344719 -6.990458625 stable

OR5V1 -6.96E-05 2.205611003 -0.045281408 0.96411601 0.990344719 -6.990458844 stable

FDPSP2 0.001591452 2.788701892 0.045229601 0.964157037 0.990344719 -6.990461229 stable

LINC01189 /// LOC101927827 -0.000240486 2.948725058 -0.045178254 0.964197699 0.990344719 -6.99046359 stable

PPP1R3C 0.00018426 2.484467084 0.04503553 0.964310724 0.990397234 -6.990470139 stable

C1orf127 -0.000123463 1.817991534 -0.04500735 0.964333041 0.990397234 -6.99047143 stable

C4A /// C4B /// C4B\_2 0.000197428 2.671163668 0.044940777 0.964385761 0.990408134 -6.990474476 stable

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HMCN2 7.80E-05 1.989557823 0.044663899 0.964605029 0.990514193 -6.990487095 stable

NKAIN4 0.001305816 3.650544227 0.044650842 0.96461537 0.990514193 -6.990487688 stable

LEFTY1 /// LEFTY2 -0.000436408 2.29542359 -0.04452126 0.96471799 0.990516042 -6.990493566 stable

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SIDT1 -0.004311959 10.20457742 -0.044406558 0.964808828 0.990539871 -6.990498754 stable

SQRDL -0.003969091 11.47159582 -0.044289046 0.96490189 0.9905579 -6.990504056 stable

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CLEC7A -0.00795092 11.07321432 -0.04422485 0.96495273 0.9905579 -6.990506946 stable

COX6CP1 /// COX6CP1 -0.001174566 3.616155393 -0.04410755 0.965045626 0.990597391 -6.990512216 stable

PIWIL2 -5.65E-05 1.983913334 -0.044069915 0.965075432 0.990597391 -6.990513904 stable

DNAJB12 0.002694665 7.172065874 0.043921921 0.965192636 0.990618881 -6.990520528 stable

NHEJ1 /// SLC23A3 0.004249797 8.207018984 0.043910129 0.965201975 0.990618881 -6.990521055 stable

DVL3 0.003362098 5.639360837 0.04386706 0.965236084 0.990618881 -6.990522978 stable

C7orf73 /// LOC101930655 /// SLC13A4 -0.000673868 3.335395604 -0.0438046 0.96528555 0.990618881 -6.990525763 stable

ANKRD22 -0.016709868 6.28518795 -0.043740116 0.965336619 0.990618881 -6.990528634 stable

EPPK1 -0.003017215 5.659445882 -0.0437244 0.965349065 0.990618881 -6.990529334 stable

SLC7A13 0.000197877 2.828696812 0.0435917 0.96545416 0.990653618 -6.990535227 stable

GREB1L 0.000146936 2.53420789 0.043575296 0.965467152 0.990653618 -6.990535955 stable

CA5B /// CA5BP1 0.004257413 7.7204296 0.043472869 0.965548271 0.990682519 -6.99054049 stable

INHA 0.00014601 2.481810188 0.043433367 0.965579556 0.990682519 -6.990542236 stable

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LOC101927450 0.000153578 2.759777777 0.043184081 0.965776986 0.990743008 -6.990553219 stable

LOC100631378 -0.00079863 3.115071562 -0.043109909 0.965835729 0.990743008 -6.990556475 stable

MED19 -0.00429829 8.670101067 -0.042933806 0.965975201 0.990743008 -6.990564182 stable

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SMR3A 0.000242258 3.055327874 0.042855446 0.966037262 0.990743008 -6.990567601 stable

DPCR1 -0.000177592 3.063144726 -0.042804531 0.966077587 0.990743008 -6.99056982 stable

ISL1 7.52E-05 2.30878832 0.042696801 0.966162909 0.990743008 -6.990574505 stable

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DHX16 0.001604782 9.742673436 0.042571627 0.966262048 0.990743008 -6.990579934 stable

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LOC100287015 0.001753407 3.421783099 0.042348625 0.966438667 0.990743008 -6.990589567 stable

CALU 0.003265469 8.048845075 0.042342725 0.96644334 0.990743008 -6.990589821 stable

KIAA0922 -0.001893433 10.3655938 -0.042299478 0.966477592 0.990743008 -6.990591683 stable

PTGER4P2-CDK2AP2P2 5.70E-05 2.025816829 0.042281981 0.96649145 0.990743008 -6.990592436 stable

PCDHGB8P 5.48E-05 2.036930423 0.042244127 0.966521432 0.990743008 -6.990594063 stable

LOC728175 5.53E-05 1.958400316 0.042199039 0.966557143 0.990743008 -6.990596 stable

NLN -0.000603439 3.151702224 -0.042176843 0.966574722 0.990743008 -6.990596952 stable

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C10orf90 0.0001286 2.541270767 0.04192429 0.96677475 0.990743008 -6.990607756 stable

ANKRD13B 0.001095811 4.908708004 0.041877667 0.966811677 0.990743008 -6.990609743 stable

C8orf88 0.002501571 4.344687195 0.041829012 0.966850213 0.990743008 -6.990611815 stable

RSPO1 0.000199259 2.386112596 0.041816606 0.96686004 0.990743008 -6.990612343 stable

ARHGAP44 0.000220156 3.004978805 0.041612407 0.967021773 0.990855058 -6.990621008 stable

CLCN3 -0.003638327 8.53748492 -0.04157217 0.967053642 0.990855058 -6.990622711 stable

PLSCR2 -0.000155537 2.471051499 -0.041494812 0.967114912 0.990870933 -6.990625979 stable

FUBP3 0.002450892 8.634087118 0.041446233 0.96715339 0.990870933 -6.990628029 stable

FILIP1L 0.000125873 2.508627931 0.041281588 0.967283796 0.990899705 -6.990634957 stable

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DPYSL3 0.000116882 2.623420512 0.041183184 0.967361738 0.990911743 -6.990639085 stable

CXorf36 0.000112504 2.181684238 0.041051036 0.967466407 0.990975802 -6.990644612 stable

MAG -0.000803783 3.112330315 -0.040990053 0.967514709 0.990982123 -6.990647157 stable

TAF7 -0.002550379 12.18473764 -0.040935625 0.967557819 0.990983125 -6.990649425 stable

HOXB9 0.00053094 3.619979247 0.040556329 0.967858247 0.991227539 -6.990665148 stable

TBX5 -5.34E-05 1.989306887 -0.040483037 0.9679163 0.991227539 -6.990668169 stable

GRID1-AS1 5.61E-05 2.05771962 0.040462865 0.967932279 0.991227539 -6.990668999 stable

CSTB -0.002424529 13.08407054 -0.040334041 0.968034317 0.991227539 -6.990674294 stable

NEK1 -0.001366951 3.296038766 -0.040235999 0.968111975 0.991227539 -6.990678312 stable

CELA1 0.000689463 2.839030551 0.040214965 0.968128635 0.991227539 -6.990679172 stable

AC099684.1 /// BC040634 -0.000864914 3.710683633 -0.040198669 0.968141544 0.991227539 -6.990679839 stable

FADS2 0.008128145 5.795719578 0.040026576 0.968277857 0.991227539 -6.990686862 stable

ARL3 0.001229259 2.759139984 0.039986852 0.968309322 0.991227539 -6.990688478 stable

DDC 9.85E-05 2.355519568 0.039950483 0.96833813 0.991227539 -6.990689957 stable

PLOD3 0.002648647 9.500764442 0.039923835 0.968359237 0.991227539 -6.99069104 stable

LOC101927723 -0.000165521 2.464188609 -0.03991158 0.968368945 0.991227539 -6.990691538 stable

SPON1 0.004744673 4.185738233 0.039894724 0.968382296 0.991227539 -6.990692222 stable

CDK8 0.001782418 8.189473473 0.039889484 0.968386447 0.991227539 -6.990692434 stable

ZNF343 -0.000719378 3.599918263 -0.039587844 0.968625377 0.991416739 -6.990704629 stable

ARHGAP27 -0.004185632 3.889629077 -0.039549704 0.968655588 0.991416739 -6.990706164 stable

GUSBP4 /// LOC100653061 0.00492276 7.091743843 0.039475038 0.968714731 0.991434131 -6.990709165 stable

CLTCL1 0.006262399 5.249083342 0.03927002 0.968877129 0.991557192 -6.990717377 stable

C9orf53 9.31E-05 2.286428577 0.039203257 0.968930013 0.991568171 -6.990720042 stable

SLC32A1 5.41E-05 2.179018311 0.039146647 0.968974855 0.991570918 -6.990722298 stable

CLPTM1L 0.001809942 11.5570228 0.039088278 0.96902109 0.991575092 -6.990724621 stable

CLECL1 -0.001922896 4.546217201 -0.03898026 0.969106654 0.991586234 -6.99072891 stable

GC -7.78E-05 2.3169227 -0.03890571 0.969165707 0.991586234 -6.990731864 stable

CMBL 0.001058866 3.628922347 0.038902439 0.969168298 0.991586234 -6.990731993 stable

PHLDA2 0.000315516 3.191812479 0.03886165 0.969200608 0.991586234 -6.990733607 stable

FHOD3 5.42E-05 2.0485526 0.038748243 0.969290441 0.991635008 -6.990738084 stable

MTFP1 -0.003306984 8.074526309 -0.038639511 0.969376572 0.991652879 -6.990742364 stable

ARL6IP6 -0.002072825 10.14722204 -0.038612288 0.969398136 0.991652879 -6.990743433 stable

DACT3-AS1 -9.25E-05 2.190365194 -0.038566521 0.969434391 0.991652879 -6.99074523 stable

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STIM2 0.002946211 9.939720136 0.038099349 0.969804459 0.991886958 -6.990763448 stable

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KRT223P /// KRT223P -0.000181223 2.777434117 -0.038014314 0.96987182 0.991886958 -6.99076674 stable

PROSER3 0.003094146 6.644880129 0.038011466 0.969874076 0.991886958 -6.990766851 stable

LRRK2 0.006840919 10.60294062 0.037781437 0.970056296 0.99203018 -6.990775719 stable

KRTAP4-4 -0.000150118 2.572322791 -0.037604018 0.970196841 0.992130773 -6.990782522 stable

RUSC1-AS1 -0.001751943 4.495689854 -0.037467032 0.970305358 0.992139549 -6.990787753 stable

SLC28A1 0.000253072 3.112477718 0.037325201 0.970417713 0.992139549 -6.990793149 stable

KDM4B /// LOC100507022 0.01119454 5.822717625 0.037294418 0.970442098 0.992139549 -6.990794317 stable

PLCE1 0.001339235 3.270901626 0.037268688 0.970462481 0.992139549 -6.990795293 stable

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ANGPT4 0.001701331 5.784032185 0.037252355 0.97047542 0.992139549 -6.990795912 stable

CALHM1 -0.00163751 3.251672134 -0.037131702 0.970570999 0.992139549 -6.990800477 stable

KCNRG /// TRIM13 0.002501989 4.881768886 0.037102591 0.97059406 0.992139549 -6.990801576 stable

LINC00708 -0.000194576 3.07748412 -0.037065127 0.970623739 0.992139549 -6.99080299 stable

C10orf25 -0.003850688 3.22483524 -0.03703012 0.970651471 0.992139549 -6.990804309 stable

MPV17L2 -0.002855321 6.744767379 -0.03699894 0.970676171 0.992139549 -6.990805483 stable

CLCNKA /// CLCNKB -0.000592925 2.963257443 -0.036921548 0.97073748 0.992139549 -6.990808393 stable

TCTN3 -0.002481913 8.995890718 -0.036773395 0.970854846 0.992139549 -6.990813947 stable

LTBP2 -0.001708684 5.292243119 -0.036757884 0.970867134 0.992139549 -6.990814527 stable

NAA25 -0.002196277 8.365227987 -0.036706619 0.970907745 0.992139549 -6.990816442 stable

SMIM13 0.001988591 3.365317318 0.03652096 0.971054824 0.992139549 -6.990823358 stable

TAX1BP1 -0.001146931 12.19882654 -0.036488799 0.971080303 0.992139549 -6.990824552 stable

BMP3 8.26E-05 2.508668614 0.036464994 0.971099161 0.992139549 -6.990825436 stable

LOC151121 -8.32E-05 2.136026914 -0.036398699 0.97115168 0.992139549 -6.990827893 stable

GPR39 5.66E-05 2.143632556 0.036326787 0.971208649 0.992139549 -6.990830553 stable

LOC100652824 -7.89E-05 2.349728203 -0.036312911 0.971219642 0.992139549 -6.990831066 stable

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HNRNPA1 /// HNRNPA1P10 0.000545468 15.01739084 0.03628012 0.971245619 0.992139549 -6.990832276 stable

LOC101060400 0.001952321 3.729908973 0.036265081 0.971257534 0.992139549 -6.990832831 stable

PLEKHA8P1 -0.002252464 7.382705904 -0.036250935 0.97126874 0.992139549 -6.990833353 stable

AKR7A3 -0.001919366 7.421497333 -0.036117842 0.971374178 0.992139549 -6.990838252 stable

C10orf71-AS1 -0.000436483 3.244477045 -0.036062182 0.971418273 0.992139549 -6.990840296 stable

KLHL29 7.93E-05 2.094949109 0.036034382 0.971440296 0.992139549 -6.990841315 stable

ALDH1A1 -0.00797273 10.4018425 -0.036001685 0.971466199 0.992139549 -6.990842514 stable

LOC286009 0.000126908 2.051848961 0.035927784 0.971524745 0.992139549 -6.990845217 stable

MEIG1 0.000970839 2.758756861 0.035836438 0.971597111 0.992139549 -6.990848552 stable

FAM49B 0.003964986 7.819450315 0.035768764 0.971650724 0.992139549 -6.990851017 stable

AHR 0.004886356 10.39139909 0.035749355 0.9716661 0.992139549 -6.990851723 stable

LINC00441 -0.000231156 2.872865725 -0.035747949 0.971667214 0.992139549 -6.990851774 stable

BET1L 0.00277896 7.512101722 0.03572959 0.971681759 0.992139549 -6.990852441 stable

C4orf46 /// TOMM7 -0.001777048 14.28108027 -0.035486721 0.971874167 0.992223719 -6.990861239 stable

MFSD2A 0.000977278 3.194451574 0.035475867 0.971882765 0.992223719 -6.990861631 stable

IGSF21 5.93E-05 2.353209657 0.035465792 0.971890747 0.992223719 -6.990861995 stable

PGAM5 5.30E-05 2.115203316 0.035380399 0.971958399 0.992225242 -6.990865072 stable

PRKAG1 -0.00304904 9.455355142 -0.035357414 0.971976608 0.992225242 -6.990865899 stable

CLDN19 -9.45E-05 2.464215054 -0.035297386 0.972024164 0.992230725 -6.990868056 stable

NBPF20 -0.0045825 7.034850857 -0.035189312 0.972109785 0.992275062 -6.990871931 stable

CASC2 0.000317797 2.859146839 0.035129443 0.972157216 0.992280414 -6.990874073 stable

BTN2A2 0.007520988 4.507944935 0.034927155 0.972317477 0.992400927 -6.990881281 stable

EDNRB-AS1 0.00012154 2.331949257 0.034645049 0.972540976 0.992585971 -6.990891264 stable

NOTCH2 0.002233477 12.30981265 0.034540379 0.972623902 0.992627535 -6.990894948 stable

ADAM3B /// ADAM3B 0.000573078 3.706744095 0.034375079 0.972754863 0.992682847 -6.990900743 stable

TBX2 -0.001091655 4.67001188 -0.034357566 0.972768738 0.992682847 -6.990901355 stable

RBP1 -0.000295015 2.553033435 -0.03431216 0.972804711 0.992682847 -6.990902941 stable

FAM13C 0.000211118 2.720701044 0.034185164 0.972905326 0.992739116 -6.990907366 stable

DCSTAMP 8.24E-05 2.328757094 0.034026988 0.973030644 0.992739116 -6.990912854 stable

HCRTR2 0.000252781 2.651897334 0.034014354 0.973040654 0.992739116 -6.990913291 stable

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NT5C -0.001646765 5.544224214 -0.033976195 0.973070886 0.992739116 -6.990914611 stable

CLVS1 -6.24E-05 2.238151705 -0.033883959 0.973143963 0.992754131 -6.990917795 stable

MBOAT1 -0.004090221 9.636702171 -0.033827288 0.973188862 0.992754131 -6.990919746 stable

CDC42 -0.01180203 12.59651354 -0.0337978 0.973212225 0.992754131 -6.990920761 stable

FOXD3-AS1 -0.000234545 2.601179424 -0.033510049 0.973440205 0.992943626 -6.990930612 stable

COQ5 -0.001649171 9.203420093 -0.033399039 0.973528157 0.992982054 -6.990934391 stable

TNRC6B 0.003974503 10.73511868 0.033355929 0.973562313 0.992982054 -6.990935854 stable

DLG5-AS1 5.85E-05 2.047919816 0.033293689 0.973611625 0.992989291 -6.990937964 stable

CTNNA1 0.005423751 9.10437786 0.033229644 0.973662368 0.992997986 -6.990940132 stable

PRDM9 -0.000628587 3.782524922 -0.033075483 0.973784509 0.993036801 -6.990945331 stable

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RAB1B 0.00207707 10.84488931 0.033021747 0.973827084 0.993036801 -6.990947138 stable

BMP10 -6.76E-05 2.470779428 -0.032946441 0.973886749 0.99305459 -6.990949665 stable

ANKRD65 -0.000436859 2.974707122 -0.032851627 0.973961871 0.993077144 -6.990952838 stable

LAP3 0.004998676 12.45254824 0.032673268 0.974103186 0.993077144 -6.990958783 stable

TRAM1L1 0.00087844 3.358327459 0.032664739 0.974109944 0.993077144 -6.990959066 stable

SENP3 0.001444576 9.396868112 0.032579125 0.974177776 0.993077144 -6.990961907 stable

ZDHHC2 -0.000350742 2.551653364 -0.032421033 0.974303035 0.993077144 -6.990967134 stable

NGF -0.00115127 3.343803964 -0.032418205 0.974305275 0.993077144 -6.990967228 stable

PRRG3 4.72E-05 2.169511235 0.032381348 0.974334478 0.993077144 -6.990968442 stable

GBF1 -0.002052425 8.686518369 -0.032366417 0.974346308 0.993077144 -6.990968934 stable

ZNF213-AS1 0.000637954 4.413904712 0.032299384 0.97439942 0.993077144 -6.990971139 stable

AK3 0.002004378 9.503312154 0.032261251 0.974429633 0.993077144 -6.990972391 stable

CACNG4 0.000107643 2.622637317 0.032238696 0.974447504 0.993077144 -6.990973131 stable

GTF3C4 -0.002336804 7.858594382 -0.032152628 0.974515697 0.993077144 -6.99097595 stable

TDH -0.002319121 5.533436906 -0.032143559 0.974522884 0.993077144 -6.990976247 stable

OSCAR -0.007000218 9.215033203 -0.032095179 0.974561216 0.993077144 -6.990977828 stable

LOC401463 0.000123577 2.424135091 0.032070617 0.974580677 0.993077144 -6.99097863 stable

ITPR2 0.00204739 8.497540551 0.032016924 0.97462322 0.993077144 -6.99098038 stable

SYT6 -5.66E-05 2.260435656 -0.032012628 0.974626623 0.993077144 -6.99098052 stable

LINC00476 0.0039965 3.49472764 0.031957817 0.974670051 0.993078374 -6.990982303 stable

C1orf110 -0.000124231 2.503093455 -0.031885846 0.974727076 0.993093457 -6.990984641 stable

ST20 -0.001308681 9.112756536 -0.031789836 0.974803148 0.993103194 -6.99098775 stable

CCDC141 -0.001573329 3.900090631 -0.031767209 0.974821076 0.993103194 -6.990988482 stable

ZNHIT3 0.001407739 10.42861073 0.031690493 0.974881861 0.993112889 -6.990990958 stable

NGEF 0.000157303 3.136973943 0.031648621 0.974915038 0.993112889 -6.990992307 stable

MAPK4 -8.79E-05 2.421531327 -0.031441327 0.975079285 0.99313452 -6.99099896 stable

CCND3 -0.00718802 8.986878637 -0.031440305 0.975080095 0.99313452 -6.990998992 stable

TG -8.90E-05 2.452422147 -0.031376444 0.975130695 0.99313452 -6.991001033 stable

LOC101927746 0.000228648 3.559742565 0.031375609 0.975131356 0.99313452 -6.991001059 stable

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LOC100996747 /// LOC101929876 /// RPS26 /// RPS26P11 0.011172911 13.69289466 0.031124938 0.975329974 0.993240476 -6.991009029 stable

LOC648987 0.002718499 6.687195001 0.031067948 0.975375131 0.993240476 -6.991010832 stable

WNT4 0.000384143 3.338637776 0.031032031 0.975403589 0.993240476 -6.991011966 stable

C5AR2 -0.00232753 3.653598423 -0.030945885 0.975471848 0.993240476 -6.991014682 stable

ADAM21 0.000490992 2.409854768 0.030901424 0.975507077 0.993240476 -6.991016081 stable

POMK 0.000952903 2.441847913 0.030889769 0.975516312 0.993240476 -6.991016447 stable

AC091633.3 0.000442674 3.476005711 0.030851012 0.975547021 0.993240476 -6.991017664 stable

CIR1 -0.001314407 9.115845246 -0.03071171 0.975657398 0.993296782 -6.991022026 stable

FICD -0.002705862 5.022195285 -0.030674623 0.975686784 0.993296782 -6.991023184 stable

GPR146 -0.002923403 4.331122746 -0.030439885 0.975872782 0.993405522 -6.991030482 stable

LQFBS-1 -0.00055813 3.007939839 -0.030433217 0.975878066 0.993405522 -6.991030688 stable

ABCA6 -0.000126327 2.40437265 -0.030297979 0.975985224 0.993471608 -6.991034866 stable

LOC101928806 -0.001261801 2.742969466 -0.030163095 0.976092103 0.993508293 -6.991039014 stable

OR2J2 8.72E-05 2.638586833 0.030142584 0.976108355 0.993508293 -6.991039643 stable

TRIM6 -0.002155983 3.210514649 -0.030092576 0.97614798 0.993508293 -6.991041176 stable

EGFL8 /// PPT2 0.000830521 5.670767127 0.029962178 0.976251305 0.99356283 -6.991045159 stable

WWC2-AS2 -9.79E-05 2.618031935 -0.029918331 0.976286048 0.99356283 -6.991046494 stable

STEAP4 -0.007929273 6.19745463 -0.02972073 0.976442624 0.993679183 -6.991052489 stable

STARD6 -0.000110405 2.801791515 -0.029593822 0.976543184 0.993738523 -6.991056318 stable

ULBP3 0.000255578 3.207520528 0.029445542 0.97666068 0.993793892 -6.991060771 stable

SYT2 0.000264577 2.483214698 0.029418513 0.976682097 0.993793892 -6.99106158 stable

LOC100507389 0.000432175 2.522876545 0.029304929 0.9767721 0.993806044 -6.991064973 stable

BIRC5 4.69E-05 1.847913559 0.029296798 0.976778543 0.993806044 -6.991065215 stable

MPZ 0.00029588 3.322973978 0.029218524 0.976840568 0.993806236 -6.991067545 stable

TTC31 0.000993911 9.903840375 0.029189916 0.976863236 0.993806236 -6.991068395 stable

ZNF205-AS1 0.00010248 2.673449779 0.029042109 0.976980358 0.993862851 -6.991072773 stable

METTL20 -0.000153891 2.492244966 -0.028932915 0.977066884 0.993862851 -6.991075993 stable

OOSP2 -0.000231976 3.055946777 -0.028872929 0.977114417 0.993862851 -6.991077757 stable

IL23A /// TCRBV6S2A1N1T 0.003894103 7.710074812 0.028870474 0.977116363 0.993862851 -6.991077829 stable

RP11-489E7.4 -0.002116618 7.66039739 -0.028853065 0.977130157 0.993862851 -6.99107834 stable

NKD2 4.10E-05 1.986718505 0.028632134 0.977305225 0.993994935 -6.991084801 stable

PHOX2B 3.80E-05 1.998329644 0.028503969 0.977406784 0.993994935 -6.991088526 stable

PNLIP -6.06E-05 2.700845721 -0.028487118 0.977420138 0.993994935 -6.991089014 stable

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OPN1SW 4.43E-05 2.10907806 0.028299727 0.977568629 0.994093892 -6.991094427 stable

ADPRH 0.00483579 6.759761806 0.02823323 0.977621323 0.994104498 -6.991096339 stable

CYP4F2 0.000832934 3.411143883 0.027914496 0.977873895 0.994312738 -6.991105442 stable

CDS1 -0.000398501 2.911160209 -0.027831239 0.97793987 0.994312738 -6.991107803 stable

IRX2 -0.000365185 3.673436108 -0.027752147 0.978002545 0.994312738 -6.991110039 stable

ZNF587 0.002040671 9.039937229 0.027717447 0.978030043 0.994312738 -6.991111018 stable

ATP13A2 0.001463541 9.293510958 0.027708065 0.978037477 0.994312738 -6.991111283 stable

CDH16 -5.17E-05 2.320187147 -0.027646128 0.978086558 0.994319658 -6.991113027 stable

DNMBP 0.002575216 7.620017903 0.027591037 0.978130214 0.994321064 -6.991114575 stable

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MTUS1 0.006475944 4.690981427 0.02738987 0.978289626 0.99435419 -6.991120201 stable

THSD7A 6.56E-05 2.405645963 0.027221736 0.978422863 0.99444664 -6.991124871 stable

FAM81A -3.71E-05 1.963122425 -0.027076566 0.978537902 0.99445175 -6.991128881 stable

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HYPK /// MIR1282 /// SERF2 /// SERF2-C15ORF63 -0.001586402 9.016816872 -0.027039612 0.978567186 0.99445175 -6.991129898 stable

LOC101929341 0.000187521 3.204293091 0.027001979 0.978597008 0.99445175 -6.991130933 stable

PPP3CA 0.001650512 9.963257415 0.026844326 0.97872194 0.994521759 -6.991135251 stable

CYP4F8 0.000115304 2.939209546 0.026808331 0.978750464 0.994521759 -6.991136233 stable

GPR108 /// MIR6791 -0.001488163 9.880743174 -0.026574764 0.978935555 0.994629767 -6.991142576 stable

LOC100506119 0.006757739 6.130130563 0.026567473 0.978941334 0.994629767 -6.991142773 stable

FOXO6 0.000693452 4.982089174 0.026318387 0.979138724 0.99477239 -6.991149473 stable

SEPT7P2 0.001903264 4.53209404 0.026283439 0.979166419 0.99477239 -6.991150408 stable

EMX1 -0.000188701 3.245057018 -0.026190353 0.979240186 0.99477239 -6.991152893 stable

RP11-664D1.1 0.007030076 8.0192776 0.02617686 0.979250879 0.99477239 -6.991153252 stable

BC041998 -5.40E-05 2.443470823 -0.026090585 0.979319249 0.994797977 -6.991155546 stable

ZNF652 0.005237505 10.26012207 0.026038336 0.979360654 0.994797977 -6.991156932 stable

MACF1 0.003371425 6.920418106 0.025923612 0.97945157 0.994811208 -6.991159964 stable

EDDM3B -0.000108684 2.588576155 -0.025915158 0.979458269 0.994811208 -6.991160187 stable

SMAD6 -0.000781384 3.87095409 -0.025757496 0.979583212 0.994895148 -6.991164331 stable

SWSAP1 -0.002068364 7.650307466 -0.025637929 0.979677967 0.994948422 -6.991167457 stable

LOC100287728 /// ZNF75D -0.000788992 3.524610424 -0.025249229 0.979986004 0.995217947 -6.991177518 stable

LOR -4.04E-05 2.175477545 -0.025177012 0.980043235 0.995217947 -6.991179371 stable

LOC102724021 4.33E-05 2.271125656 0.025093987 0.980109031 0.995217947 -6.991181494 stable

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ZSWIM7 -0.008056627 7.143524209 -0.024982698 0.980197226 0.995217947 -6.991184328 stable

TMEM156 -0.003256717 7.442261657 -0.024840134 0.980310207 0.995224312 -6.991187941 stable

FLJ41455 0.000422859 3.672243477 0.024827242 0.980320424 0.995224312 -6.991188267 stable

A4GALT -6.41E-05 2.304992682 -0.024809316 0.98033463 0.995224312 -6.99118872 stable

RHOV 0.001074852 3.142964195 0.024761223 0.980372744 0.995224312 -6.991189932 stable

RNF126 -0.001541502 9.770326213 -0.024532122 0.980554305 0.995365664 -6.991195677 stable

KLF4 -0.005262004 10.2417529 -0.024201467 0.98081635 0.995586249 -6.991203874 stable

SSX2IP -0.002668389 7.727918214 -0.024151106 0.980856262 0.995586249 -6.991205112 stable

OTX2 7.98E-05 2.589202931 0.023922677 0.981037294 0.99572703 -6.991210698 stable

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MAP2 6.45E-05 2.545865529 0.023208665 0.981603161 0.995909776 -6.991227816 stable

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SMTN -0.000292426 3.276440506 -0.021913274 0.982629807 0.996011018 -6.991257548 stable

PRKAA1 -0.001010122 3.001761087 -0.02179282 0.982725273 0.996054989 -6.991260226 stable

SUDS3 0.001245161 8.336252718 0.021751676 0.982757882 0.996054989 -6.991261137 stable

LINC00849 /// SLC25A16 0.001106589 8.708395011 0.021561951 0.982908249 0.996137312 -6.991265317 stable

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FAM231D /// LOC388692 0.001713837 6.762334078 0.021257272 0.983149725 0.996280413 -6.991271954 stable

SYT8 0.000167401 4.202715023 0.020827527 0.983490325 0.996568465 -6.991281153 stable

LOC100287704 -0.000146452 2.982892043 -0.020791702 0.983518719 0.996568465 -6.991281912 stable

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CD3G 0.00279327 8.989528789 0.020491013 0.983757036 0.996688024 -6.991288226 stable

SNAPC2 -0.000963107 6.91573419 -0.020482435 0.983763835 0.996688024 -6.991288405 stable

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CDC14A 0.00187178 7.034514909 0.020188398 0.983996881 0.996773181 -6.991294488 stable

SOCS7 0.000491098 2.930469908 0.020116479 0.984053883 0.996773181 -6.991295962 stable

TRAPPC3 0.000963681 10.44695352 0.020109041 0.984059778 0.996773181 -6.991296114 stable

LHX4-AS1 0.002760098 6.757245083 0.020004321 0.984142777 0.996814326 -6.991298251 stable

XRCC6 -0.000697346 12.45238668 -0.019840217 0.984272843 0.996850324 -6.991301577 stable

METTL2B -0.002489799 4.995152076 -0.019836308 0.984275941 0.996850324 -6.991301656 stable

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MREG -0.002096222 7.515303744 -0.019745589 0.984347844 0.996850324 -6.991303483 stable

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NPAS3 -2.59E-05 1.761913743 -0.01938822 0.98463109 0.996870894 -6.991310597 stable

MIR6716 /// PHLDB1 -0.000493219 5.119258804 -0.019250837 0.984739979 0.996870894 -6.991313297 stable

ECHDC3 0.004625421 6.447986836 0.019222338 0.984762567 0.996870894 -6.991313855 stable

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HIST1H4D 2.79E-05 2.152045144 0.019156395 0.984814833 0.996870894 -6.991315142 stable

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RPS6 -0.00028342 15.8357805 -0.018899964 0.98501808 0.996954675 -6.991320106 stable

CEACAM19 0.000415215 2.607033767 0.0188669 0.985044286 0.996954675 -6.991320741 stable

CTBP1-AS2 0.001623362 8.64483456 0.018801274 0.985096301 0.99696216 -6.991321999 stable

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GRM2 6.33E-05 2.504831535 0.018448657 0.985375787 0.996964798 -6.99132868 stable

LAMTOR4 -0.000909771 11.44869381 -0.018357451 0.985448077 0.996964798 -6.991330388 stable

NARFL 0.001264237 7.822746785 0.018298353 0.985494918 0.996964798 -6.991331489 stable

MYLPF 0.000346017 5.170126239 0.018296067 0.985496731 0.996964798 -6.991331532 stable

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SERPING1 0.00501493 6.899065587 0.018164199 0.98560125 0.996964798 -6.991333978 stable

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CD163L1 -3.96E-05 2.301806781 -0.017856354 0.985845252 0.996964798 -6.991339618 stable

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LMO2 0.002479752 12.16410862 0.017797162 0.985892168 0.996964798 -6.991340692 stable

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PLAUR 0.003238793 10.21877934 0.017768721 0.985914711 0.996964798 -6.991341206 stable

BTG4 6.83E-05 2.151312098 0.017731268 0.985944397 0.996964798 -6.991341883 stable

HLA-DQB1 /// HLA-DRB1 /// HLA-DRB3 /// HLA-DRB4 /// HLA-DRB5 /// HLA-DRB6 /// LOC100996809 /// LOC101060835 -0.011345279 9.382431527 -0.017436071 0.986178376 0.997112547 -6.991347163 stable

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OPRD1 4.68E-05 2.455616058 0.016537798 0.986890371 0.997129869 -6.991362687 stable

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NOL4L 0.001076305 3.396451639 0.016280339 0.987094441 0.997184571 -6.991366985 stable

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NAA11 3.30E-05 2.251035257 0.01580982 0.987467394 0.997310635 -6.991374665 stable

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ADAMTS13 -4.53E-05 2.478489299 -0.015512658 0.987702938 0.997328101 -6.9913794 stable

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FOXD2-AS1 0.000104915 2.580589319 0.015209223 0.987943455 0.997399691 -6.991384142 stable

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CREB3L4 0.002193253 5.922813421 0.014930054 0.988164738 0.997494649 -6.991388422 stable

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EPHB3 0.001579729 2.335180118 0.014464149 0.988534041 0.99773898 -6.991395388 stable

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BMP2 -5.15E-05 3.016946247 -0.012707831 0.989926219 0.998073411 -6.991419663 stable

CA11 -0.001205219 7.06668338 -0.012540744 0.990058666 0.998164162 -6.991421809 stable

EWSR1 0.00041731 12.0611889 0.012326352 0.990228611 0.998292708 -6.991424521 stable

PTK6 0.000380164 3.803625649 0.012260907 0.990280488 0.998300415 -6.99142534 stable

WBSCR27 8.07E-05 2.079239468 0.012180235 0.990344435 0.998300415 -6.991426343 stable

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AMIGO1 -0.001352956 7.714176838 -0.012020183 0.990471306 0.998300415 -6.991428313 stable

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KMT2C 0.001451337 7.611730936 0.011863887 0.9905952 0.998300415 -6.991430212 stable

PNPLA4 0.001472727 6.747489579 0.011799936 0.990645893 0.998300415 -6.991430981 stable

RASSF7 0.000525905 8.258170006 0.011787982 0.990655368 0.998300415 -6.991431125 stable

LINC00474 -0.000390991 4.259396196 -0.011724065 0.990706034 0.998300415 -6.991431889 stable

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TUSC1 -0.002391049 4.634630069 -0.011567057 0.990830493 0.998300415 -6.99143375 stable

SPPL2C -2.24E-05 2.440845032 -0.011564507 0.990832514 0.998300415 -6.99143378 stable

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MBTPS2 -9.44E-05 3.324539409 -0.011543604 0.990849084 0.998300415 -6.991434025 stable

MIR7-3HG 3.26E-05 2.351943168 0.011513559 0.9908729 0.998300415 -6.991434378 stable

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SSTR5-AS1 -2.10E-05 2.218953216 -0.011142579 0.991166973 0.998439355 -6.991438653 stable

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CNPY2 4.53E-05 2.928418403 0.010520902 0.991659774 0.998439355 -6.991445504 stable

ZSCAN16-AS1 0.000320953 4.579742482 0.010479667 0.991692462 0.998439355 -6.991445944 stable

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F10 -4.34E-05 2.228854001 -0.009050637 0.992825261 0.998439355 -6.991460141 stable

CECR9 -2.10E-05 2.143216674 -0.009047705 0.992827586 0.998439355 -6.991460168 stable

LINC01149 4.84E-05 2.461825921 0.009036955 0.992836107 0.998439355 -6.991460267 stable

HIP1 3.87E-05 2.970323512 0.008840623 0.992991742 0.998544061 -6.991462052 stable

SEMA3F 1.48E-05 2.07492969 0.008774105 0.993044472 0.998544061 -6.991462648 stable

DCPS -0.00073895 9.028825499 -0.008730064 0.993079383 0.998544061 -6.99146304 stable

TOX4 -0.000480126 9.355310673 -0.008612467 0.993172604 0.998544061 -6.991464078 stable

SRMP1 /// SRMP1 -1.51E-05 2.015294805 -0.008572291 0.993204452 0.998544061 -6.991464429 stable

RP11-443C10.1 8.50E-05 4.135006793 0.008571956 0.993204718 0.998544061 -6.991464432 stable

CTB-181H17.1 0.000889402 6.974245573 0.008459795 0.993293629 0.998544061 -6.991465404 stable

CFD -0.001746274 11.73500217 -0.008287014 0.993430596 0.998544061 -6.991466876 stable

CECR2 -0.000168579 3.512759598 -0.008244207 0.993464529 0.998544061 -6.991467236 stable

CDPF1 -0.000512899 6.177010342 -0.008223856 0.993480662 0.998544061 -6.991467406 stable

GSS 0.000364697 8.666435232 0.008162949 0.993528944 0.998544061 -6.991467914 stable

CHDC2 1.74E-05 1.979477155 0.008151697 0.993537863 0.998544061 -6.991468007 stable

ISY1-RAB43 /// RAB43 0.000571326 8.911277743 0.008151249 0.993538219 0.998544061 -6.991468011 stable

SUB1 0.000392332 13.60225649 0.008132133 0.993553372 0.998544061 -6.991468169 stable

ANXA2P2 0.000703289 10.72599213 0.008102295 0.993577025 0.998544061 -6.991468416 stable

IFT74 -0.00069818 6.187980367 -0.007994117 0.99366278 0.998587578 -6.991469301 stable

ANKRD24 1.16E-05 2.12986447 0.007769417 0.993840904 0.99870972 -6.991471103 stable

LY75 -0.000753348 11.10903193 -0.007665998 0.993922887 0.99870972 -6.991471915 stable

LINC00671 -2.90E-05 2.910676016 -0.007664147 0.993924353 0.99870972 -6.991471929 stable

IQCD -3.24E-05 2.28960539 -0.007533542 0.994027887 0.99870972 -6.991472939 stable

ANXA13 1.17E-05 2.240128616 0.007497418 0.994056523 0.99870972 -6.991473215 stable

EDEM2 0.000428202 9.358502331 0.00746588 0.994081524 0.99870972 -6.991473455 stable

PCCB 0.000388368 2.352929097 0.007465857 0.994081542 0.99870972 -6.991473456 stable

ZNF32 -0.000400959 9.444798562 -0.007313571 0.994202262 0.99878834 -6.9914746 stable

LOC100507461 -2.21E-05 2.701270724 -0.007209803 0.994284522 0.998828318 -6.991475367 stable

EXOSC8 -0.000390083 10.43888621 -0.006927199 0.994508549 0.998976671 -6.991477399 stable

LOC101929122 -2.23E-05 2.584032046 -0.006911858 0.99452071 0.998976671 -6.991477507 stable

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DDX3X -0.000406687 4.564106945 -0.006704942 0.994684737 0.998976671 -6.99147894 stable

APOC3 -5.16E-05 3.348662279 -0.00666705 0.994714776 0.998976671 -6.991479198 stable

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MAFB 0.001334838 11.79986359 0.006468953 0.994871812 0.998976671 -6.991480522 stable

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MED4 0.000381037 9.73867002 0.006387366 0.994936488 0.998976671 -6.991481055 stable

ADRM1 0.000356135 9.753265025 0.006359923 0.994958243 0.998976671 -6.991481233 stable

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DNAJC25 /// DNAJC25-GNG10 0.000446019 5.373040034 0.005802914 0.9953998 0.998976671 -6.99148468 stable

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TMEM50A 0.000315503 11.15991344 0.005683318 0.995494608 0.998976671 -6.991485378 stable

FGD5-AS1 0.00019901 5.214516274 0.005671976 0.995503599 0.998976671 -6.991485444 stable

LOC101928525 -5.74E-05 2.809438055 -0.005617246 0.995546986 0.998976671 -6.991485758 stable

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SPATA4 1.03E-05 2.401081045 0.005477114 0.995658073 0.998976671 -6.991486549 stable

BUD31 0.000287212 10.621848 0.005473293 0.995661102 0.998976671 -6.99148657 stable

TFAP2C 2.02E-05 2.320788343 0.005453469 0.995676817 0.998976671 -6.99148668 stable

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FAM71A 0.000259999 7.220070021 0.005318089 0.995784136 0.998976671 -6.991487422 stable

RSU1 0.000171744 4.145336473 0.005293403 0.995803706 0.998976671 -6.991487555 stable

LOC728445 1.39E-05 2.384072565 0.005250693 0.995837563 0.998976671 -6.991487785 stable

ARSF 8.50E-06 2.0999994 0.005220899 0.995861182 0.998976671 -6.991487943 stable

SPSB3 -0.000202887 9.176045785 -0.005201908 0.995876237 0.998976671 -6.991488044 stable

TMEM230 0.000274899 11.42609498 0.004780142 0.996210585 0.999269443 -6.991490186 stable

C5orf17 -0.001740101 2.608355752 -0.004690246 0.996281849 0.99929831 -6.991490619 stable

CRX 1.30E-05 2.58808147 0.004611817 0.996344023 0.999318057 -6.99149099 stable

GCNT2 0.000392623 2.994006829 0.00440477 0.996508156 0.999401141 -6.991491939 stable

MTHFSD 0.000182487 3.687596852 0.004367394 0.996537785 0.999401141 -6.991492106 stable

RAB3C 6.92E-06 2.119383117 0.004310342 0.996583013 0.999401141 -6.991492358 stable

CSMD3 -3.57E-05 3.543285999 -0.004292927 0.996596818 0.999401141 -6.991492434 stable

LINC00460 -7.74E-06 2.489565719 -0.00414829 0.996711477 0.999432719 -6.991493055 stable

PTPRB -8.52E-06 2.464233033 -0.004146003 0.99671329 0.999432719 -6.991493065 stable

POC5 -0.000309324 8.236269154 -0.004032547 0.996803231 0.999440999 -6.991493537 stable

AC004692.5 0.000209784 5.9217896 0.003940572 0.996876143 0.999440999 -6.99149391 stable

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SAG 1.27E-05 2.351526898 0.003921183 0.996891513 0.999440999 -6.991493987 stable

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EFCAB2 -5.12E-05 2.918467519 -0.003482774 0.997239057 0.999600341 -6.991495639 stable

ITFG1 0.000148388 9.136261844 0.003452648 0.997262939 0.999600341 -6.991495745 stable

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CYP46A1 -9.01E-05 2.294468358 -0.002992206 0.99762795 0.999671016 -6.991497254 stable

ANGPTL1 1.80E-05 3.091321785 0.0029663 0.997648487 0.999671016 -6.991497333 stable

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THUMPD3-AS1 -0.000256367 8.050439294 -0.002926349 0.997680158 0.999671016 -6.991497453 stable

NPPC -3.78E-06 2.026331998 -0.002866763 0.997727394 0.999671016 -6.991497628 stable

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CSPG4P1Y 7.31E-06 2.578936832 0.002830149 0.997756419 0.999671016 -6.991497734 stable

AGO2 -0.000253362 10.65672988 -0.002775441 0.997799788 0.999671016 -6.99149789 stable

SPATA12 3.78E-06 2.095029113 0.002675551 0.997878975 0.999671016 -6.991498167 stable

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COX7B -0.000114597 12.03043074 -0.002589472 0.997947214 0.999671016 -6.991498398 stable

LOC280665 -2.94E-05 3.485571137 -0.002523681 0.997999369 0.999671016 -6.991498569 stable

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NLK 0.000143233 7.852502516 0.002084089 0.998347852 0.999877191 -6.991499599 stable

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KRT23 0.000504398 2.768785493 0.001894475 0.998498167 0.999892281 -6.991499983 stable

PTMA -5.75E-05 14.4299969 -0.001760764 0.998604165 0.999892281 -6.991500232 stable

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CNPY3 -0.000122725 11.74138384 -0.001714971 0.998640467 0.999892281 -6.991500313 stable

AIM1 8.35E-05 11.52964702 0.001669736 0.998676327 0.999892281 -6.99150039 stable

WDR16 -7.01E-06 2.724120876 -0.001637371 0.998701984 0.999892281 -6.991500445 stable

ACSM1 -7.57E-06 2.98558517 -0.001524489 0.998791471 0.99990736 -6.991500626 stable

IL23R -0.000250777 3.341080033 -0.001511122 0.998802067 0.99990736 -6.991500647 stable

RGMB-AS1 -1.28E-05 2.819764507 -0.001395342 0.998893851 0.999916118 -6.991500818 stable

CTA-250D10.23 3.26E-05 2.261072238 0.001392834 0.998895839 0.999916118 -6.991500822 stable

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VWA5B2 -1.72E-06 2.195584365 -0.000950522 0.999246479 1 -6.991501349 stable

CBY1 -1.66E-06 2.191758077 -0.000937862 0.999256516 1 -6.991501361 stable

OLIG2 -8.85E-07 2.108457042 -0.000664481 0.999473237 1 -6.991501584 stable

CAPN14 5.50E-06 3.317837087 0.00065297 0.999482362 1 -6.991501592 stable

YWHAE 5.72E-05 9.99493317 0.000596088 0.999527455 1 -6.991501628 stable

MNS1 -4.54E-06 2.97016497 -0.000591448 0.999531133 1 -6.991501631 stable

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ALDH1L2 6.62E-07 2.147944479 0.000459435 0.999635786 1 -6.991501701 stable

GSTM2 0.000106553 9.657654698 0.000409557 0.999675326 1 -6.991501723 stable

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FAM184B -7.72E-05 4.617403534 -0.000207943 0.999835154 1 -6.991501787 stable

IDH3A -1.14E-05 10.37686156 -0.000168256 0.999866616 1 -6.991501794 stable

TUFT1 -1.01E-05 5.316472475 -0.000134288 0.999893544 1 -6.991501799 stable

CT83 -2.99E-07 2.115247723 -0.000126655 0.999899595 1 -6.991501801 stable

WDR24 3.77E-06 6.856570944 5.34E-05 0.999957694 1 -6.991501807 stable

DEFB106A /// DEFB106B 1.76E-16 0.886364768 1.45E-13 1 1 -6.991501809 stable

UTS2R -7.02E-17 1.292960632 -5.81E-14 1 1 -6.991501809 stable

FRMD8 0 1.250858798 0 1 1 -6.991501809 stable

EHMT1-IT1 -4.36E-16 1.495112691 -3.56E-13 1 1 -6.991501809 stable

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NKX1-1 7.02E-17 1.27515591 5.81E-14 1 1 -6.991501809 stable

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